Koll 1: A1-Kollaboration

Patrick Achenbach[1], Ralph Böhm[1], Damir Bosnar[2], Achim Denig[1], Michael O. Distler[1], Anselm Esser[1], Hélène Fonvieille[3], Ivica Friščić[1], Matthias Heilig[1], Philipp Herrmann[1], Matthias Hoek[1], Simon Kegel[1], Yvonne Kohl[1], Harald Merkel[1], Miha Mihovilovic[1], Julian Müller[1], Ulrich Müller[1], Josef Pochodzalla[1], Björn Sören Schlimme[1], Matthias Schoth[1], Florian Schulz[1], Concettina Sfienti[1], Simon Širca[4], Samo Stajner[1], Michaela Thiel[1], Adrian Weber[1], Sabato Stefano Caiazza[1] und Loup Correa[1] — [1]Institut für Kernphysik, Johannes Gutenberg-Universität Mainz, Germany — [2]Department of Physics, University of Zagreb, Croatia — [3]LPC, Université Blaise Pascal, IN2P3-CNRS Aubiere, France — [4]Institut "Jožef Stefan" and University of Ljubljana, Ljubljana, Slovenia

Koll 2: A2-Kollaboration

Patrick Achenbach[1], Patrik Adlarson[1], Farah Afzal[19], Jürgen Ahrens[1], Chandrasekhar Akondi[18], John Annand[4], Hans-Jürgen Arends[1], William Barnes[24], Reinhard Beck[19], Aron Bernstein[26], Maik Biroth[1], Nikolai Borisov[17], Alessandro Braghieri[3], Derek Branford[6], William Briscoe[7], Cristina Collicott[21], Susanna Costanza[3], Achim Denig[1], Manuel Dieterle[5], Evangeline Downie[1,4,7], Peter Drexler[10], Maria Isabel Ferretti Bondy[1], Lev Filkov[2], Alexander Fix[23], Klaus Föhl[6], Simon Gardner[4], Stefanie Garni[5], Sergo Borisovich Gerasimov[17], Derek Glazier[6], Dominika Glowa[6], Peter Grabmayr[9], Wolfgang Gradl[1], Ralf Gregor[11], Grigory Gurevich[13], Pauline Hall Barrientos[6], David Hamilton[4], Kurt Hansen[22], Martin Hattemer[1], Thorsten Hehl[9], David Hornidge[12], Garth Huber[20], Lennart Isaksson[22], Peter Jennewein[1], Tom Jude[6], Viktor Kashevarov[2], Stephen Kay[6], Irakli Keshelashvili[5], Rudolf Kondratiev[13], Milorad Korolja[14], Bernd Krusche[5], Michael Lang[19], James Linturi[1], Valery Lisin[13], Ken Livingston[4], Douglas MacGregor[4], Mark Manley[19], Philippe Martel[26], Werner Meyer[15], Rory Miskimen[24], Andreas Neiser[1], Alexander Neganov[17], Rainer Novotny[10], Markus Oberle[5], Michael Ostrick[1], Patrik Ott[1], Peter-Bernd Otte[1], Paolo Pedroni[3], Andrei Polonski[13], Valery Polyansky[2], Sergei Prakhov[8], Gerhard Reicherz[15], Günther Rosner[4,25], Tigran Rostomyan[5], Adam Sarty[21], Bent Schröder[22], Concettina Sfienti[1], Dan Sober[16], Vahe Sokhoyan[7], Karsten Spieker[19], Oliver Steffen[1], Igor Strakovsky[7], Thomas Strub[5], Ivan Supek[14], Annika Thiel[19], Michaela Thiel[1], Lothar Tiator[1], Andreas Thomas[1], Marc Unverzagt[1,19], Yuri Usov[17], Dan Watts[6], Lilian Witthauer[5], Dominik Werthmüller[5], Martin Wolfes[1] und Lorenzo Zana[6] — [1]Institut für Kernphysik, Universität Mainz, Mainz, Germany — [2]Lebedev Physical Institute, Leninsky Prospekt 53, Moscow, Russia — [3]INFN Sezione di Pavia, Via Bassi, Pavia, Italy — [4]Department of Physics and Astronomy, Glasgow University, Glasgow, United Kingdom — [5]Institut für Physik, Universität Basel, Basel, Switzerland — [6]Department of Physics, University of Edinburgh, Edinburgh, United Kingdom — [7]George Washington University, Washington DC, U.S.A. — [8]University of California (UCLA), Los Angeles CA, U.S.A. — [9]Physikalisches Institut, Universität Tübingen, Auf der Morgenstelle, Tübingen, Germany — [10]II. Physikalisches Institut, Universität Giessen, Heinrich-Buff-Ring, Gießen, Germany — [11]Forschungszentrum Jülich, Jülich, Germany — [12]Department of Physics, Mount Allison University, Sackville, Canada — [13]Institute for Nuclear Research (INR), Moscow, Russia — [14]Rudjer Boskovic Institute, Zagreb, Croatia — [15]Institut für Experimentalphysik, Ruhr-Universität, Bochum, Germany — [16]Catholic University, Washington DC, U.S.A. — [17]Joint Institute for Nuclear Research (JINR), Dubna, Russia — [18]Kent State University, Kent, OH, USA — [19]Helmholtz-Institut für Strahlen- und Kernphysik, Universität Bonn, Bonn, Germany — [20]Dept. of Physics, Univ. of Regina, Regina, Canada — [21]Dept. of Astronomy and Physics, Saint Mary's University, Halifax, Canada — [22]MAX-lab, Lund University, Lund, Sweden — [23]Tomsk Polytechnic University, Tomsk, Russia — [24]Department of Physics, University of Massachusetts, Amherst, USA — [25]GSI FAIR, Darmstadt, Germany — [26]Massachusetts Institute of Technology, Department of Physics, Cambridge, MA, USA

Koll 3: AGATA-Kollaboration

Benedikt Birkenbach[1], Jürgen Eberth[1], Herbert Hess[1], Rouven Hirsch[1], Jan Jolie[1], Peter Reiter[1], David Schneiders[1], Tim Steinbach[1], Andreas Vogt[1], Nigel Warr[1], Andreas Zilges[1], Lars Lewandowski[1], Reiner Krücken[2], Roman Gernhäuser[2], Micheal Schlarb[2], Jürgen Gerl[3], Tobias Engert[3], Tobias Habermann[3], Gilles de France[3], Ivan Kojouharov[3], Nikolaus Kurz[3], Stephane Pietri[3], Henning Schaffner[3], Liliana Cortes[4], Plamen Boutachkov[4], Giulia Guastalla[4], Angel Givechev[4], Corinne Louchart-Henning[4], Edana Merchan[4], Oliver Möller[4], Norbert Pietralla[4], Damian Ralet[4], Michael Reese[4], Pushpendra Singh[4], Christian Stahl[4], Andi Boston[5], Helen Boston[5], Samantha Colosimo[5], Fay Filmer[5], Dan Judson[5], Steven Moon[5], Mike Slee[5], Paul Nolan[5], Johan Nyberg[6], Aila Gengelbach[6], Bo Cederwall[7], Carlos Rossi[8], Dino Bazzacco[8], Marco Bellato[8], Damiano Bortolato[8], Enrico Farnea[8], Andres Gadea[8], Roberto Isocrate[8], Raluca Marginean[8], Roberto Menegazzo[8], Gabriele Rampazzo[8], Francesco Recchia[8], Calin Ur[8], Roberto Venturelli[8], Alberto Pullia[9], Francesca Zocca[9], Sylvain Broussard[10], Bart Bruyneel[10], Andreas Goergen[10], Wolfram Korten[10], Alexandre Obertelli[10], Julien Pancin[10], Christophe Theisen[10], Christian Veyssiere[9], Andre Bouty[10], Ange Lotode[10], Yannick Mariette[10], Dominique Curien[11], Olivier Dorvaux[11], Gilbert Duchene[11], Benoit Gall[11], Patrice Medina[11], Cayetano Santos[11], Elmhdi Chambit[11], Laurent Charles[11], Remy Baumann[11], Francois Didierjean[11], Marie-Helene Sigward[11], Alexander Buerger[12], Marc Labiche[13], Ian Lazarus[13], Roy Lemon[13], Belen Gomez[13], John Simpson[13], Pierre Desequelles[14], Pierre Edelbruck[14], Xavier Grave[14], Karl Hauschild[14], Amel Korichi[14], Joa Ljungvall[14], Araceli Lopez-Martens[14], Hoa Ha Mai[14], Christophe Oziol[14], Lounis Benallegue[15], Sebastien Lhenortet[15], Stephane Leboutellier[15], Denis Linget[15], Bruno Travers[15], Daniel Guinet[16], Nadin Redon[16], Olivier Stezowski[16], Tuyen Doan Quang[16], Serkan Akkoyum[17], Ayse Atac[17], Ayse Kaskas[17], Jean Ropert[18] und Michel Tripon[18] — [1]IKP , Universität zu Köln, Germany — [2]TU München, Germany — [3]G.S.I. Darmstadt, Germany — [4]IKP, TU Darmstadt, Germany — [5]University of Liverpool, England — [6]R.I.T. University Uppsala, Sweden — [7]University of Stockholm, Sweden — [8]INFN Padua, Italy — [9]University of Milano, Italy — [10]Irfu Saclay, France — [11]IPHC Strasbourg, France — [12]ISKP Universität Bonn, Germany — [13]CCLRC Daresbury, England — [14]IPN Orsay, France — [15]CSNSM Orsay, France — [16]IPN Lyon, France — [17]Ankara University, Turkey — [18]JYFL Jyväskylä, Finland

Koll 4: ALICE-Kollaboration

J. Adam[40], D. Adamová[84], M.M. Aggarwal[88], G. Aglieri Rinella[36], M. Agnello[110], N. Agrawal[48], Z. Ahammed[132], S. Ahmad[19], S.U. Ahn[68], S. Aiola[136], A. Akindinov[58], S.N. Alam[132], D. Aleksandrov[80], B. Alessandro[110], D. Alexandre[101], R. Alfaro Molina[64], A. Alici[12,104], A. Alkin[3], J.R.M. Almaraz[119], J. Alme[38], T. Alt[43], S. Altinpinar[18], I. Altsybeev[131], C. Alves Garcia Prado[120], C. Andrei[78], A. Andronic[97], V. Anguelov[94], T. Antičić[98], F. Antinori[107], P. Antonioli[104], L. Aphecetche[113], H. Appelshäuser[53], S. Arcelli[28], R. Arnaldi[110], O.W. Arnold[37,93], I.C. Arsene[22], M. Arslandok[53], B. Audurier[113], A. Augustinus[36], R. Averbeck[97], M.D. Azmi[19], A. Badalà[106], Y.W. Baek[67], S. Bagnasco[110], R. Bailhache[53], R. Bala[91], S. Balasubramanian[136], A. Baldisseri[15], R.C. Baral[61], A.M. Barbano[27], R. Barbera[29], F. Barile[33], G.G. Barnaföldi[135], L.S. Barnby[101], V. Barret[70], P. Bartalini[7], K. Barth[36], J. Bartke[117], E. Bartsch[53], M. Basile[28], N. Bastid[70], S. Basu[132], B. Bathen[54], G. Batigne[113], A. Batista Camejo[70], B. Batyunya[66], P.C. Batzing[22], I.G. Bearden[81], H. Beck[53], C. Bedda[110], N.K. Behera[50], I. Belikov[55], F. Bellini[28], H. Bello Martinez[2], R. Bellwied[122], R. Belmont[134], E. Belmont-Moreno[64], V. Belyaev[75], P. Benacek[84], G. Bencedi[135], S. Beole[27], I. Berceanu[78], A. Bercuci[78], Y. Berdnikov[86], D. Berenyi[135], R.A. Bertens[57], D. Berzano[36], L. Betev[36], A. Bhasin[91], I.R. Bhat[91], A.K. Bhati[88], B. Bhattacharjee[45], J. Bhom[128], L. Bianchi[122], N. Bianchi[72], C. Bianchin[134,57], J. Bielčík[40], J. Bielčíková[84], A. Bilandzic[81,37,93], G. Biro[135], R. Biswas[4], S. Biswas[79], S. Bjelogrlic[57], J.T. Blair[118], D. Blau[80], C. Blume[53], F. Bock[74,94], A. Bogdanov[75], H. Bøggild[81], L. Boldizsár[135], M. Bombara[41], J. Book[53], H. Borel[15], A. Borissov[96], M. Borri[83,124], F. Bossú[65], E. Botta[27], C. Bourjau[81], P. Braun-Munzinger[97], M. Bregant[120], T. Breitner[52], T.A. Broker[53], T.A. Browning[95], M. Broz[40], E.J. Brucken[46], E. Bruna[110], G.E. Bruno[33], D. Budnikov[99], H. Buesching[53], S. Bufalino[36,27], P. Buncic[36], O. Busch[94,128], Z. Buthelezi[65], J.B. Butt[16], J.T. Buxton[20], D. Caffarri[36], X. Cai[7], H.

Caines[136], L. Calero Diaz[72], A. Caliva[57], E. Calvo Villar[102], P. Camerini[26], F. Carena[36], W. Carena[36], F. Carnesecchi[28], J. Castillo Castellanos[15], A.J. Castro[125], E.A.R. Casula[25], C. Ceballos Sanchez[9], P. Cerello[110], J. Cerkala[115], B. Chang[123], S. Chapeland[36], M. Chartier[124], J.L. Charvet[15], S. Chattopadhyay[132], S. Chattopadhyay[100], A. Chauvin[93,37], V. Chelnokov[3], M. Cherney[87], C. Cheshkov[130], B. Cheynis[130], V. Chibante Barroso[36], D.D. Chinellato[121], S. Cho[50], P. Chochula[36], K. Choi[96], M. Chojnacki[81], S. Choudhury[132], P. Christakoglou[82], C.H. Christensen[81], P. Christiansen[34], T. Chujo[128], S.U. Chung[96], C. Cicalo[105], L. Cifarelli[12,28], F. Cindolo[104], J. Cleymans[90], F. Colamaria[33], D. Colella[59,36], A. Collu[74,25], M. Colocci[28], G. Conesa Balbastre[71], Z. Conesa del Valle[51], M.E. Connors[140,136], J.G. Contreras[40], T.M. Cormier[85], Y. Corrales Morales[110], I. Cortés Maldonado[2], P. Cortese[32], M.R. Cosentino[120], F. Costa[36], P. Crochet[70], R. Cruz Albino[11], E. Cuautle[63], L. Cunqueiro[54,36], T. Dahms[93,37], A. Dainese[107], M.C. Danisch[94], A. Danu[62], D. Das[100], I. Das[100,51], S. Das[4], A. Dash[121,79], S. Dash[48], S. De[120], A. De Caro[12,31], G. de Cataldo[103], C. de Conti[120], J. de Cuveland[43], A. De Falco[25], D. De Gruttola[12,31], N. De Marco[110], S. De Pasquale[31], A. Deisting[97,94], A. Deloff[77], E. Dénes[139,135], C. Deplano[82], P. Dhankher[48], D. Di Bari[33], A. Di Mauro[36], P. Di Nezza[72], M.A. Diaz Corchero[10], T. Dietel[90], P. Dillenseger[53], R. Divià[36], Ø. Djuvsland[18], A. Dobrin[82], D. Domenicis Gimenez[120], B. Dönigus[53], O. Dordic[22], T. Drozhzhova[53], A.K. Dubey[132], A. Dubla[57], L. Ducroux[130], P. Dupieux[70], R.J. Ehlers[136], D. Elia[103], E. Endress[102], H. Engel[52], E. Epple[136], B. Erazmus[113], I. Erdemir[53], F. Erhardt[129], B. Espagnon[51], M. Estienne[113], S. Esumi[128], J. Eum[96], D. Evans[101], S. Evdokimov[111], G. Eyyubova[40], L. Fabbietti[93,37], D. Fabris[107], J. Faivre[71], A. Fantoni[72], M. Fasel[74], L. Feldkamp[54], A. Feliciello[110], G. Feofilov[131], J. Ferencei[84], A. Fernández Téllez[2], E.G. Ferreiro[17], A. Ferretti[27], A. Festanti[30], V.J.G. Feuillard[15,70], J. Figiel[117], M.A.S. Figueredo[124,120], S. Filchagin[99], D. Finogeev[56], F.M. Fionda[25], E.M. Fiore[33], M.G. Fleck[94], M. Floris[36], S. Foertsch[65], P. Foka[97], S. Fokin[80], E. Fragiacomo[109], A. Francescon[36,30], U. Frankenfeld[97], G.G. Fronze[27], U. Fuchs[36], C. Furget[71], A. Furs[56], M. Fusco Girard[31], J.J. Gaardhøje[81], M. Gagliardi[27], A.M. Gago[102], M. Gallio[27], D.R. Gangadharan[74], P. Ganoti[89], C. Gao[7], C. Garabatos[97], E. Garcia-Solis[13], C. Gargiulo[36], P. Gasik[93,37], E.F. Gauger[118], M. Germain[113], A. Gheata[36], M. Gheata[36,62], P. Ghosh[132], S.K. Ghosh[4], P. Gianotti[72], P. Giubellino[110,36], P. Giubilato[30], E. Gladysz-Dziadus[117], P. Glässel[94], D.M. Goméz Coral[64], A. Gomez Ramirez[52], V. Gonzalez[10], P. González-Zamora[10], S. Gorbunov[43], L. Görlich[117], S. Gotovac[116], V. Grabski[64], O.A. Grachov[136], L.K. Graczykowski[133], K.L. Graham[101], A. Grelli[57], A. Grigoras[36], C. Grigoras[36], V. Grigoriev[75], A. Grigoryan[1], S. Grigoryan[66], B. Grinyov[3], N. Grion[109], J.M. Gronefeld[97], J.F. Grosse-Oetringhaus[36], J.-Y. Grossiord[130], R. Grosso[97], F. Guber[56], R. Guernane[71], B. Guerzoni[28], K. Gulbrandsen[81], T. Gunji[127], A. Gupta[91], R. Gupta[91], R. Haake[54], Ø. Haaland[18], C. Hadjidakis[51], M. Haiduc[62], H. Hamagaki[127], G. Hamar[135], J.C. Hamon[55], J.W. Harris[136], A. Harton[13], D. Hatzifotiadou[104], S. Hayashi[127], S.T. Heckel[53], M. Hecker[53], E. Hellbär[53], H. Helstrup[38], A. Herghelegiu[78], G. Herrera Corral[11], D. Herzig[53], B.A. Hess[35], K.F. Hetland[38], H. Hillemanns[36], B. Hippolyte[55], D. Horak[40], S. Hornung[94], R. Hosokawa[128], P. Hristov[36], M. Huang[18], P. Huhn[53], T.J. Humanic[20], N. Hussain[45], T. Hussain[19], D. Hutter[43], D.S. Hwang[21], R. Ilkaev[99], M. Inaba[128], E. Incani[25], M. Ippolitov[75,80], M. Irfan[19], M. Ivanov[97], V. Ivanov[86], V. Izucheev[111], N. Jacazio[28], P.M. Jacobs[74], M.B. Jadhav[48], S. Jadlovska[115], J. Jadlovsky[115,59], C. Jahnke[120], M.J. Jakubowska[133], H.J. Jang[68], M.A. Janik[133], P.H.S.Y. Jayarathna[122], C. Jena[30], S. Jena[122], R.T. Jimenez Bustamante[97], P.G. Jones[101], J. Jung[53], M. Jung[53], A. Jusko[101], P. Kalinak[59], A. Kalweit[36], J. Kamin[53], J.H. Kang[137], V. Kaplin[75], S. Kar[132], A. Karasu Uysal[69], O. Karavichev[56], T. Karavicheva[56], L. Karayan[97,94], E. Karpechev[56], U. Kebschull[52], R. Keidel[138], D.L.D. Keijdener[57], M. Keil[36], M. Mohisin Khan[141,19], P. Khan[100], S.A. Khan[132], A. Khanzadeev[86], Y. Kharlov[111], B. Kileng[38], D.W. Kim[44], D.J. Kim[123], D. Kim[137], H. Kim[137], J.S. Kim[44], M. Kim[137], S. Kim[21], T. Kim[137], S. Kirsch[43], I. Kisel[43], S. Kiselev[58], A. Kisiel[133], G. Kiss[135], J.L. Klay[6], C. Klein[53], J. Klein[36], C. Klein-Bösing[54], S. Klewin[94], A. Kluge[36], M.L. Knichel[94], A.G. Knospe[118], C. Kobdaj[114], M. Kofarago[36], T. Kollegger[97], A. Kolojvari[131], V. Kondratiev[131], N. Kondratyeva[75], E. Kondratyuk[111], A. Konevskikh[56], M. Kopcik[115], P. Kostarakis[89], M. Kour[91], C. Kouzinopoulos[36], O. Kovalenko[77], V. Kovalenko[131], M. Kowalski[117], G. Koyithatta Meethaleveedu[48], I. Králik[59], A. Kravčáková[41], L. Kreis[97], M. Kretz[43], M. Krivda[59,101], F. Krizek[84], E. Kryshen[86,36], M. Krzewicki[43], A.M. Kubera[20], V. Kučera[84], C. Kuhn[55], P.G. Kuijer[82], A. Kumar[91], J. Kumar[48], L. Kumar[88], S. Kumar[48], P. Kurashvili[77], A. Kurepin[56], A.B. Kurepin[56], A. Kuryakin[99], M.J. Kweon[50], Y. Kwon[137], S.L. La Pointe[110], P. La Rocca[29], P. Ladron de Guevara[11], C. Lagana Fernandes[120], I. Lakomov[36], R. Langoy[42], C. Lara[52], A. Lardeux[15], A. Lattuca[27], E. Laudi[36], R. Lea[26], L. Leardini[94], G.R. Lee[101], S. Lee[137], F. Lehas[82], R.C. Lemmon[83], V. Lenti[103], E. Leogrande[57], I. León Monzón[119], H. León Vargas[64], M. Leoncino[27], P. Lévai[135], S. Li[7,70], X. Li[14], F. Liebske[53], J. Lien[42], R. Lietava[101], S. Lindal[22], V. Lindenstruth[43], C. Lippmann[97], M.A. Lisa[20], H.M. Ljunggren[34], D.F. Lodato[57], P.I. Loenne[18], V. Loginov[75], C. Loizides[74], X. Lopez[70], E. López Torres[9], A. Lowe[135], P. Luettig[53], M. Lunardon[30], G. Luparello[26], T.H. Lutz[136], A. Maevskaya[56], M. Mager[36], S. Mahajan[91], S.M. Mahmood[22], A. Maire[55], R.D. Majka[136], M. Malaev[86], I. Maldonado Cervantes[63], L. Malinina[142,66], D. Mal'Kevich[58], P. Malzacher[97], A. Mamonov[99], V. Manko[80], F. Manso[70], V. Manzari[36,103], M. Marchisone[27,65,126], J. Mareš[60], G.V. Margagliotti[26], A. Margotti[104], J. Margutti[57], A. Marín[97], C. Markert[118], M. Marquard[53], N.A. Martin[97], J. Martin Blanco[113], P. Martinengo[36], M.I. Martínez[2], G. Martínez García[113], M. Martinez Pedreira[36], A. Mas[120], S. Masciocchi[97], M. Masera[27], A. Masoni[105], L. Massacrier[113], A. Mastroserio[33], A. Matyja[117], C. Mayer[117,36], J. Mazer[125], M.A. Mazzoni[108], D. Mcdonald[122], A. Mechler[53], F. Meddi[24], Y. Melikyan[75], A. Menchaca-Rocha[64], E. Meninno[31], J. Mercado Pérez[94], M. Meres[39], Y. Miake[128], M.M. Mieskolainen[46], K. Mikhaylov[66,58], L. Milano[74,36], J. Milosevic[22], L.M. Minervini[103,23], A. Mischke[57], A.N. Mishra[49], D. Miśkowiec[97], J. Mitra[132], C.M. Mitu[62], N. Mohammadi[57], B. Mohanty[79,132], L. Molnar[55,113], L. Montaño Zetina[11], E. Montes[10], D.A. Moreira De Godoy[113,54], L.A.P. Moreno[2], S. Moretto[30], A. Morreale[113], A. Morsch[36], V. Muccifora[72], E. Mudnic[116], D. Mühlheim[54], S. Muhuri[132], M. Mukherjee[132], J.D. Mulligan[136], M.G. Munhoz[120], R.H. Munzer[37,93], H. Murakami[127], S. Murray[65], L. Musa[36], J. Musinsky[59], B. Naik[48], R. Nair[77], B.K. Nandi[48], R. Nania[104], E. Nappi[103], M.U. Naru[16], H. Natal da Luz[120], C. Nattrass[125], S.R. Navarro[2], K. Nayak[79], R. Nayak[48], T.K. Nayak[132], S. Nazarenko[99], A. Nedosekin[58], L. Nellen[63], F. Ng[122], M. Nicassio[97], M. Niculescu[62], J. Niedziela[36], B.S. Nielsen[81], S. Nikolaev[80], S. Nikulin[80], V. Nikulin[86], F. Noferini[104,12], P. Nomokonov[66], G. Nooren[57], J.C.C. Noris[2], J. Norman[124], A. Nyanin[80], J. Nystrand[18], H. Oeschler[94], S. Oh[136], S.K. Oh[67], A. Ohlson[36], A. Okatan[69], T. Okubo[47], L. Olah[135], J. Oleniacz[133], A.C. Oliveira Da Silva[120], M.H. Oliver[136], J. Onderwaater[97], C. Oppedisano[110], R. Orava[46], A. Ortiz Velasquez[63], A. Oskarsson[34], J. Otwinowski[117], K. Oyama[94,76], M. Ozdemir[53], Y. Pachmayer[94], P. Pagano[31], G. Paić[63], S.K. Pal[132], J. Pan[134], A.K. Pandey[48], P. Papcun[115], V. Papikyan[1], G.S. Pappalardo[106], P. Pareek[49], W.J. Park[97], S. Parmar[88], A. Passfeld[54], V. Paticchio[103], R.N. Patra[132], B. Paul[100], H. Pei[7], T. Peitzmann[57], H. Pereira Da Costa[15], D. Peresunko[80,75], C.E. Pérez Lara[82], E. Perez Lezama[53], V. Peskov[53], Y. Pestov[5], V. Petráček[40], V. Petrov[111], M. Petrovici[78], C. Petta[29], S. Piano[109], M. Pikna[39], P. Pillot[113], L.O.D.L. Pimentel[81], O. Pinazza[36,104], L. Pinsky[122], D.B. Piyarathna[122], M. Płoskoń[74], M. Planinic[129], F. Pliquett[53], J. Pluta[133], S. Pochybova[135], P.L.M. Podesta-Lerma[119], M.G. Poghosyan[85,87], B. Polichtchouk[111], N. Poljak[129], W. Poonsawat[114], A. Pop[78], S. Porteboeuf-Houssais[70], J. Porter[74], J. Pospisil[84], S.K. Prasad[4], R. Preghenella[104,36], F. Prino[110], C.A. Pruneau[134], I. Pshenichnov[56], M. Puccio[27], G. Puddu[25], P. Pujahari[134], V. Punin[99], J. Putschke[134], H. Qvigstad[22], A. Rachevski[109], S. Raha[4], S. Rajput[91], J. Rak[123], A. Rakotozafindrabe[15], L. Ramello[32], F. Rami[55], R. Raniwala[92], S. Raniwala[92], S.S. Räsänen[46], B.T. Rascanu[53], D. Rathee[88], K.F. Read[125,85], K. Redlich[77], R.J. Reed[134],

A. Rehman[18], P. Reichelt[53], F. Reidt[94,36], X. Ren[7], R. Renfordt[53], A.R. Reolon[72], A. Reshetin[56], J.-P. Revol[12], K. Reygers[94], V. Riabov[86], R.A. Ricci[73], T. Richert[34], M. Richter[22], P. Riedler[36], W. Riegler[36], F. Riggi[29], C. Ristea[62], E. Rocco[57], M. Rodríguez Cahuantzi[2,11], A. Rodriguez Manso[82], K. Røed[22], E. Rogochaya[66], D. Rohr[43], D. Röhrich[18], R. Romita[124], F. Ronchetti[72,36], L. Ronflette[113], P. Rosnet[70], A. Rossi[30,36], F. Roukoutakis[89], A. Roy[49], C. Roy[55], P. Roy[100], A.J. Rubio Montero[10], R. Rui[26], R. Russo[27], E. Ryabinkin[80], Y. Ryabov[86], A. Rybicki[117], S. Sadovsky[111], K. Šafařík[36], B. Sahlmuller[53], P. Sahoo[49], R. Sahoo[49], S. Sahoo[61], P.K. Sahu[61], J. Saini[132], S. Sakai[72], M.A. Saleh[134], J. Salzwedel[20], S. Sambyal[91], V. Samsonov[86], L. Šándor[59], A. Sandoval[64], M. Sano[128], D. Sarkar[132], P. Sarma[45], E. Scapparone[104], F. Scarlassara[30], S. Scheid[53], C. Schiaua[78], R. Schicker[94], C. Schmidt[97], H.R. Schmidt[35], O. Schmidt[94], S. Schuchmann[53], J. Schukraft[36], M. Schulc[40], T. Schuster[136], Y. Schutz[36,113], K. Schwarz[97], K. Schweda[97], G. Scioli[28], E. Scomparin[110], R. Scott[125], M. Šefčík[41], J.E. Seger[87], Y. Sekiguchi[127], D. Sekihata[47], I. Selyuzhenkov[97], K. Senosi[65], S. Senyukov[3,36], E. Serradilla[10,64], A. Sevcenco[62], A. Shabanov[56], A. Shabetai[113], O. Shadura[3], R. Shahoyan[36], A. Shangaraev[111], A. Sharma[91], M. Sharma[91], M. Sharma[91], N. Sharma[125], K. Shigaki[47], K. Shtejer[9,27], Y. Sibiriak[80], S. Siddhanta[105], K.M. Sielewicz[36], T. Siemiarczuk[77], D. Silvermyr[34], C. Silvestre[71], G. Simatovic[129], G. Simonetti[36], R. Singaraju[132], R. Singh[79], S. Singha[132,79], V. Singhal[132], B.C. Sinha[132], T. Sinha[100], B. Sitar[39], M. Sitta[32], T.B. Skaali[22], M. Slupecki[123], N. Smirnov[136], R.J.M. Snellings[57], T.W. Snellman[123], C. Søgaard[34], J. Song[96], M. Song[137], Z. Song[7], F. Soramel[30], S. Sorensen[125], R.D.de Souza[121], F. Sozzi[97], M. Spacek[40], E. Spiriti[72], I. Sputowska[117], M. Spyropoulou-Stassinaki[89], J. Stachel[94], I. Stan[62], P. Stankus[85], G. Stefanek[77], E. Stenlund[34], G. Steyn[65], J.H. Stiller[94], D. Stocco[113], P. Strmen[39], A.A.P. Suaide[120], T. Sugitate[47], C. Suire[51], M. Suleymanov[16], M. Suljic[139,26], R. Sultanov[58], M. Šumbera[84], A. Szabo[39], A. Szanto de Toledo[139,120], I. Szarka[39], A. Szczepankiewicz[36], M. Szymanski[133], U. Tabassam[16], J. Takahashi[121], G.J. Tambave[18], N. Tanaka[128], M.A. Tangaro[33], M. Tarhini[51], M. Tariq[19], M.G. Tarzila[78], A. Tauro[36], G. Tejeda Muñoz[2], A. Telesca[36], K. Terasaki[127], C. Terrevoli[30], B. Teyssier[130], J. Thäder[74], D. Thomas[118], R. Tieulent[130], A.R. Timmins[122], A. Toia[53], S. Trogolo[27], G. Trombetta[33], V. Trubnikov[3], W.H. Trzaska[123], T. Tsuji[127], A. Tumkin[99], R. Turrisi[107], T.S. Tveter[22], K. Ullaland[18], A. Uras[130], G.L. Usai[25], A. Utrobicic[129], M. Vajzer[84], M. Vala[59], L. Valencia Palomo[70], S. Vallero[27], J. Van Der Maarel[57], J.W. Van Hoorne[36], M. van Leeuwen[57], T. Vanat[84], P. Vande Vyvre[36], D. Varga[135], A. Vargas[2], M. Vargyas[123], R. Varma[48], M. Vasileiou[89], A. Vasiliev[80], A. Vauthier[71], V. Vechernin[131], A.M. Veen[57], M. Veldhoen[57], A. Velure[18], M. Venaruzzo[73], E. Vercellin[27], R. Verclas[94], S. Vergara Limón[2], R. Vernet[8], M. Verweij[134], L. Vickovic[116], G. Viesti[139,30], J. Viinikainen[123], Z. Vilakazi[126], O. Villalobos Baillie[101], A. Villatoro Tello[2], A. Vinogradov[80], L. Vinogradov[131], Y. Vinogradov[139,99], T. Virgili[31], V. Vislavicius[34], Y.P. Viyogi[132], A. Vodopyanov[66], M.A. Völkl[94], K. Voloshin[58], S.A. Voloshin[134], G. Volpe[33], B. von Haller[36], I. Vorobyev[37,93], D. Vranic[97,36], J. Vrláková[41], B. Vulpescu[70], B. Wagner[18], J. Wagner[97], H. Wang[57], M. Wang[7,113], D. Watanabe[128], Y. Watanabe[127], M. Weber[36,112], S.G. Weber[97], D.F. Weiser[94], J.P. Wessels[54], U. Westerhoff[54], A.M. Whitehead[90], J. Wiechula[35], J. Wikne[22], G. Wilk[77], J. Wilkinson[94], M.C.S. Williams[104], B. Windelband[94], M. Winn[94], H. Yang[57], P. Yang[7], S. Yano[47], C. Yasar[69], Z. Yin[7], H. Yokoyama[128], I.-K. Yoo[96], J.H. Yoon[50], V. Yurchenko[3], I. Yushmanov[80], A. Zaborowska[133], V. Zaccolo[81], A. Zaman[16], C. Zampolli[36,104], H.J.C. Zanoli[120], S. Zaporozhets[66], N. Zardoshti[101], A. Zarochentsev[131], P. Závada[60], N. Zaviyalov[99], H. Zbroszczyk[133], I.S. Zgura[62], M. Zhalov[86], H. Zhang[18], X. Zhang[74], Y. Zhang[7], C. Zhang[57], Z. Zhang[7], C. Zhao[22], N. Zhigareva[58], D. Zhou[7], Y. Zhou[81], Z. Zhou[18], H. Zhu[18], J. Zhu[113,7], A. Zichichi[28,12], A. Zimmermann[94], M.B. Zimmermann[54,36], G. Zinovjev[3] und M. Zyzak[43] — [1]A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute) Foundation, Yerevan, Armenia — [2]Benemérita Universidad Autónoma de Puebla, Puebla, Mexico — [3]Bogolyubov Institute for Theoretical Physics, Kiev, Ukraine — [4]Bose Institute, Department of Physics and Centre for Astroparticle Physics and Space Science (CAPSS), Kolkata, India — [5]Budker Institute for Nuclear Physics, Novosibirsk, Russia — [6]California Polytechnic State University, San Luis Obispo, California, United States — [7]Central China Normal University, Wuhan, China — [8]Centre de Calcul de l'IN2P3, Villeurbanne, France — [9]Centro de Aplicaciones Tecnológicas y Desarrollo Nuclear (CEADEN), Havana, Cuba — [10]Centro de Investigaciones Energéticas Medioambientales y Tecnológicas (CIEMAT), Madrid, Spain — [11]Centro de Investigación y de Estudios Avanzados (CINVESTAV), Mexico City and Mérida, Mexico — [12]Centro Fermi - Museo Storico della Fisica e Centro Studi e Ricerche "Enrico Fermi", Rome, Italy — [13]Chicago State University, Chicago, Illinois, USA — [14]China Institute of Atomic Energy, Beijing, China — [15]Commissariat à l'Energie Atomique, IRFU, Saclay, France — [16]COMSATS Institute of Information Technology (CIIT), Islamabad, Pakistan — [17]Departamento de Física de Partículas and IGFAE, Universidad de Santiago de Compostela, Santiago de Compostela, Spain — [18]Department of Physics and Technology, University of Bergen, Bergen, Norway — [19]Department of Physics, Aligarh Muslim University, Aligarh, India — [20]Department of Physics, Ohio State University, Columbus, Ohio, United States — [21]Department of Physics, Sejong University, Seoul, South Korea — [22]Department of Physics, University of Oslo, Oslo, Norway — [23]Dipartimento di Elettrotecnica ed Elettronica del Politecnico, Bari, Italy — [24]Dipartimento di Fisica dell'Università 'La Sapienza' and Sezione INFN Rome, Italy — [25]Dipartimento di Fisica dell'Università and Sezione INFN, Cagliari, Italy — [26]Dipartimento di Fisica dell'Università and Sezione INFN, Trieste, Italy — [27]Dipartimento di Fisica dell'Università and Sezione INFN, Turin, Italy — [28]Dipartimento di Fisica e Astronomia dell'Università and Sezione INFN, Bologna, Italy — [29]Dipartimento di Fisica e Astronomia dell'Università and Sezione INFN, Catania, Italy — [30]Dipartimento di Fisica e Astronomia dell'Università and Sezione INFN, Padova, Italy — [31]Dipartimento di Fisica 'E.R. Caianiello' dell'Università and Gruppo Collegato INFN, Salerno, Italy — [32]Dipartimento di Scienze e Innovazione Tecnologica dell'Università del Piemonte Orientale and Gruppo Collegato INFN, Alessandria, Italy — [33]Dipartimento Interateneo di Fisica 'M. Merlin' and Sezione INFN, Bari, Italy — [34]Division of Experimental High Energy Physics, University of Lund, Lund, Sweden — [35]Eberhard Karls Universität Tübingen, Tübingen, Germany — [36]European Organization for Nuclear Research (CERN), Geneva, Switzerland — [37]Excellence Cluster Universe, Technische Universität München, Munich, Germany — [38]Faculty of Engineering, Bergen University College, Bergen, Norway — [39]Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia — [40]Faculty of Nuclear Sciences and Physical Engineering, Czech Technical University in Prague, Prague, Czech Republic — [41]Faculty of Science, P.J. Šafárik University, Košice, Slovakia — [42]Faculty of Technology, Buskerud and Vestfold University College, Vestfold, Norway — [43]Frankfurt Institute for Advanced Studies, Johann Wolfgang Goethe-Universität Frankfurt, Frankfurt, Germany — [44]Gangneung-Wonju National University, Gangneung, South Korea — [45]Gauhati University, Department of Physics, Guwahati, India — [46]Helsinki Institute of Physics (HIP), Helsinki, Finland — [47]Hiroshima University, Hiroshima, Japan — [48]Indian Institute of Technology Bombay (IIT), Mumbai, India — [49]Indian Institute of Technology Indore, Indore (IITI), India — [50]Inha University, Incheon, South Korea — [51]Institut de Physique Nucléaire d'Orsay (IPNO), Université Paris-Sud, CNRS-IN2P3, Orsay, France — [52]Institut für Informatik, Johann Wolfgang Goethe-Universität Frankfurt, Frankfurt, Germany — [53]Institut für Kernphysik, Johann Wolfgang Goethe-Universität Frankfurt, Frankfurt, Germany — [54]Institut für Kernphysik, Westfälische Wilhelms-Universität Münster, Münster, Germany — [55]Institut Pluridisciplinaire Hubert Curien (IPHC), Université de Strasbourg, CNRS-IN2P3, Strasbourg, France — [56]Institute for Nuclear Research, Academy of Sciences, Moscow, Russia — [57]Institute for Subatomic Physics of Utrecht University, Utrecht, Netherlands — [58]Institute for Theoretical and Experimental Physics, Moscow, Russia — [59]Institute of Experimental Physics, Slovak Academy of Sciences, Košice, Slovakia — [60]Institute of Physics, Academy of Sciences of the Czech Republic, Prague, Czech Republic — [61]Institute of Physics, Bhubaneswar, India — [62]Institute of Space Science (ISS), Bucharest, Romania — [63]Instituto de Ciencias Nucleares, Universidad Nacional Autónoma de México, Mexico City, Mexico — [64]Instituto de Física, Universidad Nacional Autónoma de México, Mexico City, Mexico — [65]iThemba LABS, National Research Foundation, Somerset West, South Africa — [66]Joint Institute for Nuclear Research (JINR), Dubna, Russia — [67]Konkuk University, Seoul, South Korea — [68]Korea Institute of Science and Technology Information, Daejeon, South Korea

— [69]KTO Karatay University, Konya, Turkey — [70]Laboratoire de Physique Corpusculaire (LPC), Clermont Université, Université Blaise Pascal, CNRS–IN2P3, Clermont-Ferrand, France — [71]Laboratoire de Physique Subatomique et de Cosmologie, Université Grenoble-Alpes, CNRS-IN2P3, Grenoble, France — [72]Laboratori Nazionali di Frascati, INFN, Frascati, Italy — [73]Laboratori Nazionali di Legnaro, INFN, Legnaro, Italy — [74]Lawrence Berkeley National Laboratory, Berkeley, California, United States — [75]Moscow Engineering Physics Institute, Moscow, Russia — [76]Nagasaki Institute of Applied Science, Nagasaki, Japan — [77]National Centre for Nuclear Studies, Warsaw, Poland — [78]National Institute for Physics and Nuclear Engineering, Bucharest, Romania — [79]National Institute of Science Education and Research, Bhubaneswar, India — [80]National Research Centre Kurchatov Institute, Moscow, Russia — [81]Niels Bohr Institute, University of Copenhagen, Copenhagen, Denmark — [82]Nikhef, Nationaal instituut voor subatomaire fysica, Amsterdam, Netherlands — [83]Nuclear Physics Group, STFC Daresbury Laboratory, Daresbury, United Kingdom — [84]Nuclear Physics Institute, Academy of Sciences of the Czech Republic, Řež u Prahy, Czech Republic — [85]Oak Ridge National Laboratory, Oak Ridge, Tennessee, United States — [86]Petersburg Nuclear Physics Institute, Gatchina, Russia — [87]Physics Department, Creighton University, Omaha, Nebraska, United States — [88]Physics Department, Panjab University, Chandigarh, India — [89]Physics Department, University of Athens, Athens, Greece — [90]Physics Department, University of Cape Town, Cape Town, South Africa — [91]Physics Department, University of Jammu, Jammu, India — [92]Physics Department, University of Rajasthan, Jaipur, India — [93]Physik Department, Technische Universität München, Munich, Germany — [94]Physikalisches Institut, Ruprecht-Karls-Universität Heidelberg, Heidelberg, Germany — [95]Purdue University, West Lafayette, Indiana, United States — [96]Pusan National University, Pusan, South Korea — [97]Research Division and ExtreMe Matter Institute EMMI, GSI Helmholtzzentrum für Schwerionenforschung, Darmstadt, Germany — [98]Rudjer Bošković Institute, Zagreb, Croatia — [99]Russian Federal Nuclear Center (VNIIEF), Sarov, Russia — [100]Saha Institute of Nuclear Physics, Kolkata, India — [101]School of Physics and Astronomy, University of Birmingham, Birmingham, United Kingdom — [102]Sección Física, Departamento de Ciencias, Pontificia Universidad Católica del Perú, Lima, Peru — [103]Sezione INFN, Bari, Italy — [104]Sezione INFN, Bologna, Italy — [105]Sezione INFN, Cagliari, Italy — [106]Sezione INFN, Catania, Italy — [107]Sezione INFN, Padova, Italy — [108]Sezione INFN, Rome, Italy — [109]Sezione INFN, Trieste, Italy — [110]Sezione INFN, Turin, Italy — [111]SSC IHEP of NRC Kurchatov institute, Protvino, Russia — [112]Stefan Meyer Institut für Subatomare Physik (SMI), Vienna, Austria — [113]SUBATECH, Ecole des Mines de Nantes, Université de Nantes, CNRS-IN2P3, Nantes, France — [114]Suranaree University of Technology, Nakhon Ratchasima, Thailand — [115]Technical University of Košice, Košice, Slovakia — [116]Technical University of Split FESB, Split, Croatia — [117]The Henryk Niewodniczanski Institute of Nuclear Physics, Polish Academy of Sciences, Cracow, Poland — [118]The University of Texas at Austin, Physics Department, Austin, Texas, USA — [119]Universidad Autónoma de Sinaloa, Culiacán, Mexico — [120]Universidade de São Paulo (USP), São Paulo, Brazil — [121]Universidade Estadual de Campinas (UNICAMP), Campinas, Brazil — [122]University of Houston, Houston, Texas, United States — [123]University of Jyväskylä, Jyväskylä, Finland — [124]University of Liverpool, Liverpool, United Kingdom — [125]University of Tennessee, Knoxville, Tennessee, United States — [126]University of the Witwatersrand, Johannesburg, South Africa — [127]University of Tokyo, Tokyo, Japan — [128]University of Tsukuba, Tsukuba, Japan — [129]University of Zagreb, Zagreb, Croatia — [130]Université de Lyon, Université Lyon 1, CNRS/IN2P3, IPN-Lyon, Villeurbanne, France — [131]V. Fock Institute for Physics, St. Petersburg State University, St. Petersburg, Russia — [132]Variable Energy Cyclotron Centre, Kolkata, India — [133]Warsaw University of Technology, Warsaw, Poland — [134]Wayne State University, Detroit, Michigan, United States — [135]Wigner Research Centre for Physics, Hungarian Academy of Sciences, Budapest, Hungary — [136]Yale University, New Haven, Connecticut, United States — [137]Yonsei University, Seoul, South Korea — [138]Zentrum für Technologietransfer und Telekommunikation (ZTT), Fachhochschule Worms, Worms, Germany — [139]Deceased — [140]Also at: Georgia State University, Atlanta, Georgia, United States — [141]Also at Department of Applied Physics, Aligarh Muslim University, Aligarh, India — [142]Also at: M.V. Lomonosov Moscow State University, D.V. Skobeltsyn Institute of Nuclear, Physics, Moscow, Russia

Koll 5: aSPECT-Kollaboration
Marcus Beck[1,2], Edward Bickmann[1], Ference Glück[3], Jan Haack[1], Werner Heil[1], Rishi Horn[1], Jan Kahlenberg[1], Gertrud Konrad[4,5], Romain Maisonobe[6], Kim Ross[1], Christian Schmidt[1], Martin Simson[6], Torsten Soldner[6], David Stipp[1], Romain Virot[6], Alexander Wunderle[1] und Oliver Zimmer[6] — [1]Johannes Gutenberg-Universität Mainz, Mainz, Germany — [2]Helmholtz Institut Mainz, Mainz, Germany — [3]Karlsruher Institut für Technologie, Karlsruhe, Germany — [4]Technische Universität Wien, Wien, Austria — [5]Österreichische Akademie der Wissenschaften, Wien, Austria — [6]Institute Laue-Langevin, Grenoble, France

Koll 6: Baryon Antibaryon Symmetry Experiment-Kollaboration
Stefan Ulmer[1], Klaus Blaum[2], Matthias Borchert[3], Takashi Higuchi[1,4], Nathan Leefer[5,6], Yasuyuki Matsuda[4], Andreas Mooser[1], Kai Metang[6], Hiroki Nagahama[1,4], Malte Niemann[3], Christian Ospelkaus[3,7], Wolfgang Quint[8,9], Georg L. Schneider[5,6], Stefan Sellner[1], Christian Smorra[10], Toya Tanaka[4], Jochen Walz[5,6] und Yasunori Yamazaki[11] — [1]RIKEN, 2-1 Hirosawa, Wako, Saitama 351-0198, Japan — [2]Max-Planck-Institut für Kernphysik, Saupfercheckweg 1, 69117 Heidelberg, Germany — [3]Institute of Quantum Optics, Leibniz Universität Hannover, Welfengarten 1, 30167 Hannover, Germany — [4]Graduate School of Arts and Sciences, University of Tokyo, 3-8-1 Komaba, Meguro-ku, Tokyo 153-8902, Japan — [5]Helmholtz-Institut Mainz, 55099 Mainz, Germany — [6]Institut für Physik, Johannes Gutenberg-Universität Mainz, 55099 Mainz, Germany — [7]Physikalisch-Technische Bundesanstalt, Bundesallee 100, 38116 Braunschweig, Germany — [8]GSI-Helmholtzzentrum für Schwerionenforschung, 64291 Darmstadt, Germany — [9]Ruprecht-Karls-Universität Heidelberg, 69047 Heidelberg, Germany — [10]CERN, 1211 Geneva 23, Switzerland — [11]Atomic Physics Laboratory, RIKEN, 2-1 Hirosawa, Wako, Saitama 351-0198, Japan

Koll 7: BESIII-Kollaboration
Dexu Lin — Helmholtz-Institut Mainz, 55128 Mainz, Germany

Koll 8: BGO-OD-Kollaboration
Stefan Alef[1], Bettina Bantes[1], Dair Bayadilov[2], Reinhard Beck[2], Max Becker[2], Andreas Bella[1], Sabine Boese[2], Alessandro Braghieri[3], Kai-Thomas Brinkmann[4], Dmytro Burdeynyi[5], Philip Cole[1], Rachele Di Salvo[6], Hartmut Dutz[1], Daniel Elsner[1], Alessia Fantini[6,7], Oliver Freyermuth[1], Stefan Friedrich[4], Frank Frommberger[1], Vladimir Ganenko[5], Gianpiero Gervino[8,9], Francesco Ghio[10,11], Giorgio Giardina[12,13], Stefan Goertz[1], Anatoly Gridnev[14], Eric Gutz[4], Daniel Hammann[1], Jürgen Hannappel[1], Wolfgang Hillert[1], Alexander Ignatov[15], Rainer Joosten[2], Tom Jude[1], Fritz Klein[1], Katrin Kohl[1], Karsten Koop[2], Bernd Krusche[16], Alexander Lapik[15], Chiara La Storia[6,7], Paolo Levi Sandri[17], Igor V. Lopatin[14], Giuseppe Mandaglio[12,13], Francesco Messi[1], Roberto Messi[6,7], Volker Metag[4], Dario Moricciani[6], Alexander Mushkarenkov[15], Mariana Nanova[4], Vladimir Nedorezov[15], Dmitry Novinskiy[14], Paolo Pedroni[3], Björn-Eric Reitz[1], Mariia Romaniuk[6], Tigran Rostomyan[16], Nicolai Rudnev[15], Carlo Schaerf[6,7], Georg Scheluchin[1], Hartmut Schmieden[1], Anatoly Stuglev[14], Victorin Sumachev[14], Viacheslav Tarakanov[14], Valentina Vegna[1], Dieter Walther[2], Dan Watts[18], Hans-Georg Zaunick[4] und Thomas Zimmermann[1] — [1]Physikalisches Institut, Nussallee 12, D-53115 Bonn — [2]Helmholtz-Institut für Strahlen- und Kernphysik, Nussallee 14-16, D-53115 Bonn — [3]INFN sezione di Pavia, Via Agostino Bassi, 6 - 27100 Pavia Italy — [4]Justus-Liebig-Universität Gießen, II. Physikalisches Institut, Heinrich-Buff-Ring 16, D 35392 Gießen — [5]National Science Center Kharkov Institute of Physics and Technology, Akademicheskaya St. 1, Kharkov, 61108, Ukraine — [6]INFN Roma Tor Vergata, Via della Ricerca Scientifica 1, 00133 Roma - Italy — [7]University of Rome "Tor Vergata",Physics department, Via della Ricerca Scientifica 1, 00133 Roma - Italy — [8]INFN sezione di Torino, Via P.Giuria 1, 10125 Torino Italia — [9]Dipartimento di Fisica, Università di Torino, via P. Giuria 1, 10125 Torino, Italy — [10]INFN sezione di Roma, c/o Dipartimento di Fisica - Università degli Studi di Roma "La Sapienza" P.le Aldo Moro, 2 - 00185 Roma - Italy — [11]Istituto Superiore di Sanità, Viale Regina Elena 299, 00161 -Roma - Italy — [12]INFN sezione Catania, 95129 Catania - Italy — [13]Università degli Studi di Messina, Via Consolato del Mare 41, 98121 Messina — [14]Petersburg Nuclear Physics Institute, Gatchina, Leningrad District, 188300 Russia — [15]Russian Academy of Sciences Institute for Nuclear Research, prospekt 60-letiya Oktyabrya 7a, Moscow 117312 Russia —

[16]Institut für Physik, Klingelbergstrasse 82, CH-4056 Basel — [17]INFN - LNF, Via E. Fermi 40, 00044 Frascati Italy — [18]The University of Edinburgh, James Clerk Maxwell Building, Mayfield Road, Edinburgh EH9 3JZ UK

Koll 9: CBELSA/TAPS-Kollaboration

Farah Afzal[3], Alexei Anisovich[3,5], Dair Bayadilov[3,5], Reinhard Beck[3], Yuri Beloglazov[5], Alexander Berlin[2], Kai-Thomas Brinkmann[6], Marcel Bornstein[4], Volker Crede[7], Manuel Dieterle[1], Peter Drexler[6], Hartmut Dutz[4], Daniel Elsner[4], Stefan Friedrich[6], Frank Frommberger[4], Stefan Goertz[4], Anatoly Gridnev[5], Marcus Grüner[3], Eric Gutz[6], Daniel Hammann[4], Jürgen Hannappel[4], Jan Hartmann[3], Jonas Herick[2], Wolfgang Hillert[4], Philipp Hoffmeister[3], Christian Honisch[3], Tom Jude[4], Florian Kalischewski[3], Irakli Keshelashvili[1], Bernhard Ketzer[3], Peter Klassen[3], Friedrich Klein[4], Eberhard Klempt[3], Karsten Koop[3], Bernd Krusche[1], Michael Lang[3], Sebastian Lutterer[1], Igor Lopatin[5], Philipp Mahlberg[3], Francesco Messi[4], Volker Metag[6], Werner Meyer[2], Jonas Müller[3], Johannes Müllers[3], Mariana Nanova[6], Victor Nikonov[3,5], Dmitry Novinskiy[5], Rainer Novotny[6], Jonathan Ottnad[3], Peter Pauli[3], Damian Piontek[3], Scott Reeve[4], Gerhard Reicherz[2], Tigran Rostomyan[1], Stefan Runkel[4], Andrei Sarantsev[3,5], Dimitri Schaab[3], Christoph Schmidt[3], Hartmut Schmieden[4], Roman Schmitz[3], Jan Schultes[3], Tobias Seifen[3], Cathrina Sowa[2], Karsten Spieker[3], Matthias Steinke[2], Victorin Sumachev[5], Annika Thiel[3], Ulrike Thoma[3], Tobias Triffterer[2], Martin Urban[3], Georg Urff[3], Harald van Pee[3], Natalie Walford[1], Dieter Walther[3], Christoph Wendel[3], Ulrich Wiedner[2], Lilian Witthauer[1], Yannick Wunderlich[3], Hans-Georg Zaunick[6] und Eugenia Fix[3] — [1]Institut für Physik, Klingelbergstraße 82, CH-4056 Basel — [2]Institut für Experimentalphysik, Universitätsstraße 150, D-44780 Bochum — [3]Helmholtz-Institut für Strahlen- und Kernphysik, Nussallee 14-16, D-53115 Bonn — [4]Physikalisches Institut, Nussallee 12, D-53115 Bonn — [5]Petersburg Nuclear Physics Institute, Gatchina, Leningrad District, 188300 Russia — [6]II. Physikalisches Institut, Heinrich-Buff-Ring 16, D-35392 Gießen — [7]Florida State University, Tallahassee, FL 32306, USA

Koll 10: CBM-Kollaboration

Timur Ablyazimov[1], Alhussain Abuhoza[2,62], Rama Prasad Adak[3], Marek Adamczyk[4], Madan Mohan Aggarwal[5], Zubayer Ahammed[6], Firdous Ahmad[7], Nazeer Ahmad[8], Shabir Ahmad[7], Alexander Akindinov[9], Pavel Akishin[1], Elena Akishina[1], Tatiyana Akishina[1], Valentina Akishina[10,1,2], Adeel Akram[11], Mohammad Al-Turany[2], Igor Alekseev[9], Evgeny Alexandrov[1], Igor Alexandrov[1], Samir Amar-Youcef[12], Maja Andjelić[13], Olga Andreeva[14], Cristian Andrei[15], Anton Andronic[2], Yuri Anisimov[16], Harald Appelshäuser[12], Andreas Arend[12], Danut Argintaru[17], Eduard Atkin[18], Sergey Avdeev[16], Ralf Averbeck[2], Mohd. Danish Azmi[8], Valerica Baban[17], Matthias Bach[10], Eugen Badura[2], Steffen Bähr[19], Tanita Balle[12], Tomáš Balog[2], Matthias Balzer[19], Sudipta Bandyopadhyay[20], Erjin Bao[11], Natalia Baranova[21], Tadeusz Barczyk[4], Daniel Bartoş[15], Suraya Bashir[7], Mateusz Baszczyk[22], Oleg Batenkov[23], Victor Baublis[24], Mircea Baznat[16], Jürgen Becker[19], Karl-Heinz Becker[25], Sergey Belogurov[9], Dmitry Belyakov[1], Jordan Bendarouach[26], Ionela Berceanu[15], Alexandru Bercuci[15], Alexander Berdnikov[27], Yaroslav Berdnikov[27], Roland Berendes[28], Gennady Berezin[16], Cyrano Bergmann[28], Denis Bertini[2], Olga Bertini[2], Calin Beşliu[17], Oleg Bezshyyko[29], Partha Pratim Bhaduri[2,6], Anju Bhasin[30], Ashok Kumar Bhati[5], Buddhadeb Bhattacharjee[31], Abhijit Bhattacharyya[20], Tarun Kanti Bhattacharyya[32], Thomas Blank[19], Dmitry Blau[33], Vitalii Blinov[2], Christoph Blume[12], Yuri Bocharov[18], Julian Book[12], Timo Breitner[34], Ulrich Brüning[35], Janusz Brzychczyk[4], Arkadiusz Bubak[36], Henner Büsching[12], Vladimir Butuzov[18], Alexander Bychkov[16], Adrian Byszuk[37], Xu Cai[38], Marius Călin[17], Ping Cao[39], Gheorghe Caragheorgheopol[15], Ivana Carević[13], Vasile Catanescu[15], Amlan Chakrabarti[20], Sanatan Chattopadhyay[20], Subhasis Chattopadhyay[6], Avinash Chauhan[40], Andriy Chaus[41], Hongfang Chen[39], LuYao Chen[34], Jianping Cheng[42], Victor Chepurnov[16], Hamda Cherif[12,2], Andrey Chernogorov[9], Mircea Iuliu Ciobanu[2,63], Gilles Claus[43], Florin Constantin[15], Máté Csanád[44], Nicola D'Ascenzo[45], Supriya Das[3], Susovan Das[46], Jan de Cuveland[10], Barnali Debnath[31], Dmitri Dementiev[16], Zhi Deng[42], Harald Deppe[2], Ingo Deppner[11], Olga Derenovskaya[1], Christina Anna Deveaux[26], Michael Deveaux[12], Kalyan Dey[31], Madhusudan Dey[6], Pascal Dillenseger[12], Vladislav Dobyrn[24], Dennis Doering[12], Sheng Dong[38], Wendi Dong[38], Andrei Dorokhov[43], Michael Dreschmann[19], Aleksandra Drozd[22], Anand Kumar Dubey[6], Stanislav Dubnichka[16], Zuzana Dubnichkova[16], Michael Dürr[26], Ludomir Dutka[4], Mile Dželalija[13], Vladimir V. Elsha[16], David Emschermann[2], Heiko Engel[34], Vladimir Eremin[47], Tiberiu Eşanu[17], Jürgen Eschke[48,2], Dominic Eschweiler[10], Huanhuan Fan[39], Xingming Fan[49], Oleg Fateev[16], Shengqin Feng[50], Shalina Figuli[19], Irina Filozova[1], Dmitry Finogeev[14], Peter Fischer[35], Holger Flemming[2], Jörg Förtsch[25], Ulrich Frankenfeld[2], Volker Friese[2], Eduard Friske[46], Ingo Fröhlich[12], Jochen Frühauf[2], Janusz Gajda[22], Tetyana Galatyuk[51,2], Gautam Gangopadhyay[20], Cruz de Jesús García Chávez[34], Jano Gebelein[34], Pradeep Ghosh[12,2], Sanjay K. Ghosh[3], Susanne Glässel[12], Mathieu Goffe[43], Larisa Golinka-Bezshyyko[29], Vjatcheslav Golovatyuk[16], Sergey Golovnya[52], Victor Golovtsov[24], Marina Golubeva[14], Dmitry Golubkov[9], Andrés Gómez Ramírez[34], Sergey Gorbunov[10], Sergey Gorokhov[52], Dirk Gottschalk[11], Pawel Gryboś[22], Andrzej Grzeszczuk[36], Fedor Guber[14], Konstantin Gudima[16], Marek Gumiński[37], Anik Gupta[30], Yuri Gusakov[16], Dong Han[42], Helvi Hartmann[10], Jörg Hehner[2], Norbert Heine[28], Andrei Herghelegiu[15], Norbert Herrmann[11], Benjamin Hess[46], Johann M. Heuser[2], Abdelkader Himmi[43], Claudia Höhne[26], Romain Holzmann[2], Dongdong Hu[39], Guangming Huang[38], Xinjie Huang[42], Dirk Hutter[10], Elizaveta Iakovleva[10], Alexander Ierusalimov[16], Ernst-Michael Ilgenfritz[16], Muhammad Irfan[8], Dmitry Ivanischev[24], Marian Ivanov[2], Pavel Ivanov[18], Valery Ivanov[1], Victor Ivanov[1], Vladimir Ivanov[24], Alexander Ivashkin[14], Kimmo Jaaskelainen[43], Hushnud Jahan[8], Vikas Jain[6], Vladimir Jakovlev[23], Thomas Janson[34], Di Jiang[39], Alexandru Jipa[17], Igor Kadenko[29], Philipp Kähler[28], Burkard Kämpfer[49,64], Valery Kalinin[23], Karl-Heinz Kampert[25], Emil Kaptur[36], Radoslaw Karabowicz[2], Oleg Karavichev[14], Tatiana Karavicheva[14], Dmitry Karmanov[21], Victor Karnaukhov[16], Evgeny Karpechev[14], Krzysztof Kasiński[22], Grzegorz Kasprowicz[37], Manjit Kaur[5], Andrey Kazantsev[33], Udo Kebschull[34], George Kekelidze[16], M. Mohsin Khan[8], Shuaib Ahmad Khan[6], Alexei Khanzadeev[24], Farid Khasanov[9], Andrey Khvorostukhin[16], Vahan Kirakosyan[16], Marek Kirejczyk[53], Andrey Kiryakov[52], Mladen Kiš[2], Ivan Kisel[10], Pavel Kisel[12,2,1], Sergey Kiselev[9], Tivadar Kiss[54], Philipp Klaus[12], Rafal Kleczek[22], Christian Klein-Bösing[28], Volker Kleipa[2], Viktor Klochkov[2,12], Piotr Kmon[22], Karsten Koch[2], Leonid Kochenda[24], Piotr Koczoń[2], Wolfgang Koenig[2], Martin Kohn[28], Burkhard W. Kolb[2], Anastasia Kolosova[9], Boris Komkov[24], Mikhail Korolev[21], Ivan Korolko[9], Roland Kotte[49], Olexii Kovalchuk[41], Seweryn Kowalski[36], Michal Koziel[12], Grigory Kozlov[10,1], Vladimir Kozlov[24], Viktor Kramarenko[16], Peter Kravtsov[24], Erik Krebs[12], Christian Kreidl[35], Ievgenii Kres[25], Dmytro Kresan[2], Gisa Kretschmar[12], Michael Krieger[35], Alexandr Vital'evich Kryanev[1,18], Evgeny Kryshen[24], Wojciech Kucewicz[22], Vladyslav Kucher[10], Leonid Kudin[24], Andrej Kugler[55], Igor Kulakov[2], Ajit Kumar[6], Jochen Kunkel[2], Alexey Kurepin[14], Nikolay Kurepin[14], Alexei Kurilkin[16], Pavel Kurilkin[16], Vassilyi Kushpil[55], Sergey Kuznetsov[16], Volodymyr Kyva[41], Vladimir Ladygin[16], Camilo Lara[34], Pavel Larionov[12,2], Alejandro Laso García[49,64], Evgeny Lavrik[46], Ionel Lazanu[17], Andrey Lebedev[2,1], Semen Lebedev[26,1], Elena Lebedeva[26], Jörg Lehnert[2], Johannes Lehrbach[34], Yvonne Leifels[2], Frank Lemke[35], Cheng Li[39], Qiyan Li[12,38], Xin Li[39], Yuanjing Li[42], Volker Lindenstruth[10,2], Benjamin Linnik[12], Feng Liu[38], Ivan Lobanov[52], Elena Lobanova[52], Sven Löchner[2], Pierre-Alain Loizeau[2], José Antonio Lucio Martínez[34], Xiaofeng Luo[38], Anton Lymanets[2,41], Pengfei Lyu[42], Alla Maevskaya[14], Sanjay Mahajan[30], Durga Prasad Mahapatra[56], Tariq Mahmoud[26], Piotr Maj[22], Zbigniew Majka[4], Alexander Malakhov[16], Eugeny Malankin[18], Dmitry Malkevich[9], Olga Malyatina[18], Hanna Malygina[12,2,41], Swagata Mandal[6], Vladislav Manko[33], Sebastian Manz[34], Ana Maria Marin Garcia[2], Jochen Markert[12], Silvia Masciocchi[2], Tomasz Matulewicz[53], Lukas Meder[19], Mikhail Merkin[21], Joachim Meyer[19], Vladimir Mialkovski[16], Jan Michel[12], Nail Miftakhov[24], Lukasz Mik[22], Konstantin

Mikhailov[9], Vasily Mikhaylov[55], Borislav Milanović[12], Victor Militsija[41], M. Farooq Mir[7], Dariusz Miskowiec[2], Ievgeniia Momot[2,41], Thomas Morhardt[2], Sergey Morozov[14], Walter F.J. Müller[48,2], Christian Müntz[12], Yuri Murin[16], Rafal Najman[4], Chinmoy Nandi[6], Ekata Nandy[6], Lothar Naumann[49], Tapan Nayak[6], Alexander Nedosekin[9], Wolfgang Niebur[2], Vladimir Nikulin[24], Dmitry Normanov[18], Andrei Oancea[34], Kunsu Oh[57], Yury Onishchuk[29], Gennady Ososkov[1], Piotr Otfinowski[22], Egor Ovcharenko[9,1], Susanta Pal[6], Iaroslav Panasenko[46,41], Nihar Ranjan Panda[56], Stanislav Parzhitskiy[16], Christian Pauly[25], Manuel Penschuck[12], Dmitri Peshekhonov[16], Vladimir Peshekhonov[16], Vojtěch Petráček[58], Michael Petri[12], Mariana Petriş[15], Alexandrina Petrovici[15], Mihai Petrovici[15], Anatoly Petrovskiy[18], Oleg Petukhov[14], Dennis Pfeifer[25], Krzysztof Piasecki[53], Jonathan Pieper[12], Jerzy Pietraszko[2], Roman Planeta[4], Vasiliy Plotnikov[9], Vladimir Plujko[29], Jan Pluta[37], Amalia Pop[15], Vladimir Pospisil[58], Baba Potukuchi[30], Jahan Pouryamout[25], Krzysztof Poźniak[37,53], Arun Prakash[55], Mikhail Prokudin[9], Igor Pshenichnov[14], Mykhailo Pugach[10,2,41], Valery Pugatch[41], Sven Querchfeld[25], Sergey Rabtsun[16], Laura Radulescu[15], Sibaji Raha[3], Waseem Raja[7], Fouad Rami[43], Rashmi Raniwala[59], Sudhir Raniwala[59], Anatoly Raportirenko[1], Julian Rautenberg[25], Jacek Rauza[22], Rajarshi Ray[3], Stephan Razin[16], Patrick Reichelt[12], Sascha Reinecke[25], Alexander Reinefeld[60], Andrey Reshetin[14], Catalin Ristea[17], Oana Ristea[17], Adrian Rodriguez Rodriguez[2], Florian Roether[12], Ryszard Romaniuk[37], Adrian Rost[51], Evgeny Rostchin[24], Irina Rostovtseva[9], Amitava Roy[6], Jacek Rozynek[53], Yury Ryabov[24], Alexander Sadovsky[14], Raghunath Sahoo[61], Pradip Kumar Sahu[56], Sanjib Kumar Sahu[56], Jogender Saini[6], Subhasis Samanta[3], Sanjeev Singh Sambyal[30], Vladimir Samsonov[24,18,27], Jorge Sánchez Rosado[2], Oliver Sander[19], Satunu Sarangi[32], Tadeusz Satlawa[22], Suman Sau[20], Valeri Saveliev[45], Sven Schatral[2,35], Claudiu Schiaua[15], Florian Schintke[60], Christian Joachim Schmidt[2], Hans Rudolf Schmidt[46], Katarzyna Schmidt[36], Johannes Scholten[12], Kai Schweda[2], Florian Seck[51], Sélim Seddiki[2], Ilya Selyuzhenkov[2], Alexander Semennikov[9], Anna Senger[2], Peter Senger[2,12], Arseniy Shabanov[14], Alexey Shabunov[16], Ming Shao[39], Alexey D. Sheremetiev[16], Shushu Shi[38], Nikolai Shumeiko[16], Vitaly Shumikhin[18], Iouri Sibiryak[33], Brunon Sikora[53], Andrew Simakov[18], Christian Simon[11], Carmen Simons[2], Rama Narayana Singaraju[6], Ajay Kumar Singh[32], Bhartendu Kumar Singh[40], Chandra Prakash Singh[40], Vikas Singhal[6], Minni Singla[2], Philipp Sitzmann[12], Krystyna Siwek-Wilczyńska[53], Libor Škoda[58], Izabela Skwira-Chalot[53], Indranil Som[32], Guofeng Song[39], Jihye Song[57], Iurii Sorokin[2,41], Zbigniew Sosin[4], Daniel Soyk[2], Pawel Staszel[4], Michael Strikhanov[18], Stefan Strohauer[12], Joachim Stroth[12,2], Christian Sturm[2], Rishat Sultanov[9], Yongjie Sun[39], Dmitry Svirida[9], Ondřej Svoboda[55], Attila Szabó[44], Robert Szczygiel[22], Rupalim Talukdar[31], Zebo Tang[39], Milad Tanha[12], Jerzy Tarasiuk[53], Olga Tarassenkova[24], Madalina-Gabriela Târzila[15], Maxim Teklishyn[48,41], Tobias Tischler[12], Pavel Tlustý[55], Tamás Tölyhi[54], Alberica Toia[2,12], Nataliya Topil'skaya[14], Michael Träger[2], Sushanta Tripathy[61], Ivan Tsakov[16], Yuri Tsyupa[52], Adam Turowiecki[53], Nicolae George Tuturas[17], Florian Uhlig[2], Evgueni Usenko[14], Isabelle Valin[43], Dezső Varga[54], Iouri Vassiliev[2], Oleg Vasylyev[2], Elena Verbitskaya[47], Wolfgang Verhoeven[28], Andrey Veshikov[23], Robert Visinka[2], Yogendra Pathak Viyogi[6], Sergei Volkov[24], Andrii Volochniuk[29], Alexander Vorobiev[52], Aleksey Voronin[16], Alexander Voronin[21], Volodymyr Vovchenko[10], Marat Vznuzdaev[24], Dong Wang[38], Xi-Wei Wang[50], Yaping Wang[38], Yi Wang[42], Marc Weber[19], Christian Wendisch[2], Johannes P. Wessels[28], Michael Wiebusch[12], Jens Wiechula[46], Daniel Wielanek[37], Andrzej Wieloch[4], Nicolas Winckler[2], Marc Winter[43], Krzysztof Wiśniewski[53], György Wolf[54], Sanguk Won[57], Ke-Jun Wu[50], Jörn Wüstenfeld[49], Changzhou Xiang[38], Nu Xu[38], Junfeng Yang[2,39], Rongxing Yang[39], Zhongbao Yin[38], In-Kwon Yoo[57], Bekhzod Yuldashev[16], Igor Yushmanov[33], Wojciech Zabolotny[37,53], Yuri Zaitsev[9], Nikolay I. Zamiatin[16], Yuri Zanevsky[16], Michael Zhalov[24], Yifei Zhang[39], Lei Zhao[39], Jiajun Zheng[39], Sheng Zheng[50], Daicui Zhou[38], Jing Zhou[50], Xianglei Zhu[42], Alexander Zinchenko[16], Wiktor Zipper[36], Miroslaw Zoladź[22], Petr Zrelov[1], Vladislav Zryuev[16], Peter Zumbruch[2] und Maksym Zyzak[2] — [1]Laboratory of Information Technologies, Joint Institute for Nuclear Research (JINR-LIT), Dubna, Russia — [2]GSI Helmholtzzentrum für Schwerionenforschung GmbH (GSI), Darmstadt, Germany — [3]Department of Physics, Bose Institute, Kolkata, India — [4]Marian Smoluchowski Institute of Physics, Jagiellonian University, Kraków, Poland — [5]Department of Physics, Panjab University, Chandigarh, India — [6]Variable Energy Cyclotron Centre (VECC), Kolkata, India — [7]Department of Physics, University of Kashmir, Srinagar, India — [8]Department of Physics, Aligarh Muslim University, Aligarh, India — [9]Institute for Theoretical and Experimental Physics (ITEP), Moscow, Russia — [10]Frankfurt Institute for Advanced Studies, Goethe-Universität Frankfurt (FIAS), Frankfurt, Germany — [11]Physikalisches Institut, Universität Heidelberg, Heidelberg, Germany — [12]Institut für Kernphysik, Goethe-Universität Frankfurt, Frankfurt, Germany — [13]University of Split, Split, Croatia — [14]Institute for Nuclear Research (INR), Moscow, Russia — [15]Horia Hulubei National Institute of Physics and Nuclear Engineering (IFIN-HH), Bucharest, Romania — [16]Veksler and Baldin Laboratory of High Energy Physics, Joint Institute for Nuclear Research (JINR-VBLHEP), Dubna, Russia — [17]Atomic and Nuclear Physics Department, University of Bucharest, Bucharest, Romania — [18]National Research Nuclear University MEPhI, Moscow, Russia — [19]Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany — [20]Department of Physics and Department of Electronic Science, University of Calcutta, Kolkata, India — [21]Skobeltsyn Institute of Nuclear Phyiscs, Lomonosov Moscow State University (SINP-MSU), Moscow, Russia — [22]AGH University of Science and Technology (AGH), Kraków, Poland — [23]V.G. Khlopin Radium Institute (KRI), St. Petersburg, Russia — [24]National Research Center "Kurchatov Institute"B.P.Konstantinov, Petersburg Nuclear Physics Institute (PNPI), Gatchina, Russia — [25]Fakultät für Mathematik und Naturwissenschaften, Bergische Universität Wuppertal, Wuppertal, Germany — [26]Justus-Liebig-Universität Giessen, Giessen, Germany — [27]St. Petersburg Polytechnic University (SPbPU), St. Petersburg, Russia — [28]Institut für Kernphysik, Westfälische Wilhelms-Universität Münster, Münster, Germany — [29]Department of Nuclear Physics, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine — [30]Department of Physics, University of Jammu, Jammu, India — [31]Department of Physics, Gauhati University, Guwahati, India — [32]Indian Institute of Technology Kharagpur, Kharagpur, India — [33]National Research Centre "Kurchatov Institute", Moscow, Russia — [34]Institute for Computer Science, Goethe-Universität Frankfurt, Frankfurt, Germany — [35]Institut für Technische Informatik, Universität Heidelberg, Mannheim, Germany — [36]Institute of Physics, University of Silesia, Katowice, Poland — [37]Institute of Electronic Systems, Warsaw University of Technology, Warsaw, Poland — [38]College of Physical Science and Technology, Central China Normal University (CCNU), Wuhan, China — [39]Department of Modern Physics, University of Science & Technology of China (USTC), Hefei, China — [40]Department of Physics, Banaras Hindu University, Varanasi, India — [41]High Energy Physics Department, Kiev Institute for Nuclear Research (KINR), Kyiv, Ukraine — [42]Department of Engineering Physics, Tsinghua University, Beijing, China — [43]Institut Pluridisciplinaire Hubert Curien (IPHC), IN2P3-CNRS and Université de Strasbourg, Strasbourg, France — [44]Eötvös Loránd University (ELTE), Budapest, Hungary — [45]National Research Nuclear University, Obninsk, Russia — [46]Physikalisches Institut, Eberhard Karls Universität Tübingen, Tübingen, Germany — [47]Ioffe Institute, Russian Academy of Sciences, St. Petersburg, Russia — [48]Facility for Antiproton and Ion Research in Europe GmbH (FAIR), Darmstadt, Germany — [49]Institut für Strahlenphysik, Helmholtz-Zentrum Dresden-Rossendorf (HZDR), Dresden, Germany — [50]College of Science, China Three Gorges University (CTGU), Yichang, China — [51]Institut für Kernphysik, Technische Universität Darmstadt, Darmstadt, Germany — [52]Institute for High Energy Physics (IHEP), Protvino, Russia — [53]Institute of Experimental Physics, University of Warsaw, Warsaw, Poland — [54]Institute for Particle and Nuclear Physics, Wigner Research Centre for Physics, Hungarian Academy of Sciences, Budapest, Hungary — [55]Nuclear Physics Institute of the Czech Academy of Sciences, Řež, Czech Republic — [56]Institute of Physics, Bhubaneswar, India — [57]Pusan National University (PNU), Pusan, Korea — [58]Czech Technical University (CTU), Prague, Czech Republic — [59]Physics Department, University of Rajasthan, Jaipur, India — [60]Konrad-Zuse-Zentrum für Informationstechnik Berlin (ZIB), Berlin, Germany — [61]Indian Institute of Technology Indore, Indore, India — [62]also: King Abdulaziz City for Science and Technology (KACST), Riyadh, Saudi Arabia — [63]also:

Institute of Space Science, Bucharest, Romania — [64]also: Technische Universität Dresden, Dresden, Germany

Koll 11: CBM-MVD-Kollaboration
Samir Amar-Youcef[1], Jérôme Baudot[2], Grégory Bertolone[2], Norbert Bialas[1], Tobias Bus[1], Gilles Claus[2], Claude Colledani[2], Michael Deveaux[1], Dennis Doering[1], Andrei Dorokhov[2], Ingo Fröhlich[1], Mathieu Goffe[2], Abdelkader Himmi[2], Christine Hu-Guo[2], Kimmo Jaaskelainen[2], Philipp Klaus[1], Michal Koziel[1], Erik Krebs[1], Gisa Kretzschmar[1], Qiyan Li[1], Benjamin Linnik[1], Jochen Markert[3], Jan Michel[1], Borislav Milanovic[1], Frédéric Morel[2], Christian Müntz[1], Alejandro Perez[2], Michael Petri[1], Hung Pham[2], Stefan Schreiber[1], Philipp Sitzmann[1], Mathieu Specht[2], Joachim Stroth[1], Tobias Tischler[1], Isabelle Valin[2], Roland Weirich[1], Michael Wiebusch[1] und Marc Winter[2] — [1]Goethe-Universität, Frankfurt — [2]Institut Pluridisciplinaire Hubert Curien (IPHC), Strasbourg, France — [3]GSI Helmholtzzentrum für Schwerionenforschung, Darmstadt

Koll 12: COBRA-Kollaboration
Jan-Hendrik Arling[1], Marcel Gerhardt[1], Claus Gössling[1], Reiner Klingenberg[1], Kevin Kröninger[1], Christian Nitsch[1], Thomas Quante[1], Silke Rajek[1,5], Jan Tebrügge[1], Robert Temminghoff[1], Robert Theinert[1], Daniel Gehre[2], Stephan Platzek[2], Katja Rohatsch[2], Stefan Zatschler[2], Kai Zuber[2], Joachim Ebert[3], Caren Hagner[3], Nadine Heidrich[3], Christian Oldorf[3], Henning Rebber[3], Jan Timm[3], Björn Wonsak[3], Thilo Michel[4] und Gisela Anton[4] — [1]TU Dortmund, Experimentelle Physik IV, 44221 Dortmund, D — [2]TU Dresden, Institut für Kern- und Teilchenphysik, 01069 Dresden, D — [3]Universität Hamburg, Institut für Experimentalphysik, 22761 Hamburg, D — [4]Universität Erlangen-Nürnberg, ECAP, 91058 Erlangen, D — [5]Samco-Technik, Schwerte, D

Koll 13: COLLAPS-Kollaboration
Mark Bissel[1], Klaus Blaum[2], Stephan Malbrunot-Ettenauer[3], Ronald Garcia Ruiz[3], Wouter Gins[4], Christian Gorges[5], Hanne Heylen[4], Simon Kaufmann[5], Kristian König[5], Magdalena Kowalska[3], Jörg Krämer[5], Peter Lievens[6], Rainer Neugart[2,7], Gerda Neyens[4], Wilfried Nörtershäuser[5], Laura Wehner[3,7], Xiaofei Yang[4] und Deyan Yordanov[8] — [1]School of Physics and Astronomy, The University of Manchester, Manchester, UK — [2]Max-Plank-Institut für Kernphysik, Heidelberg, Germany — [3]Physics Department, CERN, Geneva, Switzerland — [4]KU Leuven, Instituut voor Kern- en Stralingsfysica, Leuven, Belgium — [5]Institut für Kernphysik, TU Darmstadt, Darmstadt, Germany — [6]Laboratory of Solid State Physics and Magnetism, KU Leuven, Leuven, Belgium — [7]Institut für Kernchemie, Universität Mainz, Mainz, Germany — [8]Institut de Physique Nucléaire Orsay, IN2P3/CNRS, Orsay Cedex, France

Koll 14: Cologne-LNL-Kollaboration
Julia Litzinger[1], Andrey Blazhev[1], Alfred Dewald[1], Christoph Fransen[1], Francois Didierjean[2], Gilbert Duchene[2], Radomira Lozeva[2], Kamila Sieja[2], David Verney[3], Giacomo de Angelis[4], Dino Bazzacco[5], Benedikt Birkenbach[1], Silvia Bottoni[6], Angela Bracco[6], Thomas Braunroth[1], Bo Cederwall[7], Lorenzo Corradi[4], F.C.L. Crespi[6], P. Desesquelles[8], Jurgen Eberth[1], Enrico Ellinger[1], Enrico Farnea[5], Enrico Fioretto[4], Roman Gernhäuser[9], Alain Goasduff[2], Andreas Görgen[10], Andrea Gottardo[3], Jerzy Grebosz[11], Matthias Hackstein[1], Herbert Hess[1], Fadi Ibrahim[3], Jan Jolie[1], Andrea Jungclaus[12], Karolina Kolos[3], Wolfgang Korten[10], Silvia Leoni[6], Santo Lunardi[5], A. Maj[11], Roberto Menegazzo[13], Daniele Mengoni[14], Catarina Michelagnoli[5], Tea Mijatovic[15], B. Million[16], Oliver Möller[17], Victor Modamio[4], Giovanna Montagnoli[5], Daniele Montanari[5], Annabelle Morales[6], Daniel Napoli[4], Megumi Niikura[3], Giovanni Pollarolo[18], Antonio Pullia[6], B. Quintana[19], Francesco Recchia[5], Peter Reiter[1], D. Rosso[4], Eda Sahin[4], M.D. Salsac[10], Fernando Scarlassara[5], Pär-Anders Söderström[20], Alberto M. Stefanini[4], Oliver Stezowski[21], Suzana Szilner[15], Christophe Theisen[10], Jose Javier Valiente Dobon[4], Valeria Vandone[6] und Andreas Vogt[1] — [1]Institut für Kernphysik, Universität zu Köln, 50937 Köln, Germany — [2]Université de Strasbourg, IPHC, and CNRS, F-67037 Strasbourg, France — [3]Institut de Physique Nucléaire, CNRS/IN2P3 and Université Paris Sud, F-91405 Orsay, France — [4]Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Legnaro, I-35020 Legnaro, Italy — [5]Istituto Nazionale di Fisica Nucleare, Sezione di Padova and Università di Padova, I-35131 Padova, Italy — [6]Dipartimento di Fisica, Università di Milano and INFN, Sezione di Milano, I-20133 Milano, Italy — [7]Department of Physics, Royal Institute of Technology, Se-10691-Stockholm, Sweden — [8]Centre de Spectrométrie Nucléaire et de Spectrométrie de Masse CSNSM, CNRS/IN2P3 and Université Paris-Sud, F-91405 Orsay Campus, France — [9]Physics Department E12, Technische Universität München, 85748 Garching, Germany — [10]Institut de Recherche sur les lois Fondamentales de l'Univers- IRFU, CEA/DSM, Centre CEA de Saclay, F-91191 Gif-sur-Yvette Cedex, France — [11]The Henry Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences, ul. Radzikowskiego 152, 31-342 Kraków, Poland — [12]Instituto de Estructura de la Materia, CSIC, Madrid, E-28006 Madrid, Spain — [13]Istituto Nazionale di Fisica Nucleare, Sezione di Padova, I-35131 Padova, Italy — [14]Nuclear Physics Research Group, University of the West of Scotland, High Street, Paisley, Pa1 2Be, Scotland, UK — [15]Ruder Bošković Institute, HR-10002 Zagreb, Croatia — [16]Istituto Nazionale di Fisica Nucleare, Sezione di Milano, I-20133 Milano, Italy — [17]Institut für Kernphysik, Technische Universität Darmstadt, 64289 Darmstadt, Germany — [18]Dipartimento di Fisica Teorica dell' Università di Torino and INFN, I-10125 Torino, Italy — [19]Laboratorio de Radiaciones Ionizantes, Universidad de Salamanca, E-37008 Salamanca, Spain — [20]Department of Physics and Astronomy, Uppsala University, SE-75120 Uppsala, Sweden — [21]Université de Lyon, Université Lyon-1, IN2P3/CNRS, F-69622 Villeurbanne Cedex, France

Koll 15: DALI-LaBr RIBF-Collaboration-Kollaboration
Thomas Aumann[1], Riccardo Avigo[3,4], Hiteda Baba[2], Konstanze Boretzky[5], Angela Bracco[3,4], Christoph Caesar[5], Franco Camera[3,4], Sidong Chen[2,6], Vera Derya[7], Pieter Doornenbal[2], Janis Endres[7], Naoki Fukuda[2], Umesh Garg[8], Agnese Giaz[3,4], Muhsin Harakeh[9], Michael Heil[5], Andrea Horvat[1], Kazuo Ieki[10], Nobuaki Imai[11], Naohito Inabe[2], Nasser Kalantar-Nayestanaki[9], Nobuyuki Kobayashi[11], Yosuke Kondo[12], Shunpei Koyama[11], Toshiyuki Kubo[2], Ismael Martel[13], Masafumi Matsushita[9], Benedicte Million[14], Tohru Motobayashi[2], Takashi Nakamura[12], Nori Nakatsuka[2,15], Mizuki Nishimura[2], Shunji Nishimura[2], Shinsuke Ota[9], Hideaki Otsu[2], Tomoyuki Ozaki[12], Marina Petri[1], Rene Reifarth[16], Dominic Rossi[1], Atsumi Saito[12], Hiroyoshi Sakurai[2,11], Deniz Savran[5], Heiko Scheit[1], Fabia Schindler[1], Philipp Schrock[11], Diego Semmler[1], Yoshiaki Shiga[2,10], Mizuki Shikata[12], Yohei Shimizu[2], Haik Simon[5], David Steppenbeck[2], Hiroshi Suzuki[2], Toshiyuki Sumikama[17], Dmyotro Symochko[1], Ina Syndikus[1], Hiroyuki Takeda[2], Satoshi Takeuchi[2], Ryo Taniuchi[11], Yasuhiro Togano[12], Joachim Tscheuschner[1], Jyunichi Tsubota[12], He Wang[2], Oliver Wieland[3], Ken-ichiro Yoneda[2], Juzo Zenihiro[2] und Andreas Zilges[7] — [1]Technische Universität Darmstadt, Darmstadt, Germany — [2]RIKEN Nishina Center, Wako, Japan — [3]INFN sezione di Milano, Milan, Italy — [4]Universita degli studi di Milano, Milan, Italy — [5]GSI Helmholtzzenrum Darmstadt, Darmstadt, Germany — [6]Peking University, Peking, China — [7]Universität zu Köln, Köln, Germany — [8]Univerity of Notre Dame, Notre Dame, USA — [9]KVI-CART Groningen, Groningen — [10]Rikkyo University, Japan — [11]University of Tokyo — [12]Tokyo Instiut of Technology — [13]Universidad de Huelva — [14]VECC India — [15]Kyoto University — [16]Goethe Universität Frankfurt, Frankfurt, Germany — [17]Tohoku University

Koll 16: Double Chooz-Kollaboration
Y. Abe[27], T. Abrahão[5], H. Almazan[20], C. Alt[1], J.C. dos Anjos[5], J.C. Barriere[14], E. Baussan[22], I. Bekman[1], M. Bergevin[9], T.J.C. Bezerra[25], L. Bezrukov[13], E. Blucher[6], T. Brugière[22], C. Buck[20], J. Busenitz[2], A. Cabrera[4], L. Camilleri[8], R. Carr[8], M. Cerrada[7], E. Chauveau[25], P. Chimenti[31], A.P. Collin[20], J.M. Conrad[19], J.I. Crespo-Anadón[7], K. Crum[6], A.S. Cucoanes[23], E. Damon[10], J.V. Dawson[4], J. Dhooghe[9], D. Dietrich[30], Z. Djurcic[3], M. Dracos[22], A. Etenko[18], M. Fallot[23], F. von Feilitzsch[29], J. Felde[9,34], S.M. Fernandes[2], V. Fischer[14], D. Franco[4], M. Franke[29], H. Furuta[25], I. Gil-Botella[7], L. Giot[23], M. Göger-Neff[29], H. Gomez[4], L.F.G. Gonzalez[32], L. Goodenough[3], M.C. Goodman[3], N. Haag[29], T. Hara[17], J. Haser[20], D. Hellwig[1], M. Hofmann[29], G.A. Horton-Smith[15], A. Hourlier[4], M. Ishitsuka[27], J. Jochum[30], C. Jollet[22], F. Kaether[20], L.N.

Kalousis[33], Y. Kamyshkov[24], M. Kaneda[27], D.M. Kaplan[12], T. Kawasaki[16], E. Kemp[32], H. de Kerret[4], D. Kryn[4], M. Kuze[27], T. Lachenmaier[30], C.E. Lane[10], T. Lasserre[14,4], A. Letourneau[14], D. Lhuillier[14], H.P. Lima Jr[5], M. Lindner[20], J.M. López-Castaño[7], J.M. LoSecco[21], B. Lubsandorzhiev[13], S. Lucht[1], J. Maeda[28,35], C. Mariani[33], J. Maricic[10,36], J. Martino[23], T. Matsubara[28], G. Mention[14], A. Meregaglia[22], T. Miletic[10], R. Milincic[10,36], A. Minotti[22], Y. Nagasaka[11], D. Navas-Nicolás[7], P. Novella[7,37], L. Oberauer[29], M. Obolensky[4], A. Onillon[4], A. Osborn[24], C. Palomares[7], I.M. Pepe[5], S. Perasso[4], A. Porta[23], G. Pronost[23], J. Reichenbacher[2], B. Reinhold[20,36], M. Röhling[30], R. Roncin[4], B. Rybolt[24], Y. Sakamoto[26], R. Santorelli[7], A.C. Schilithz[5], S. Schönert[29], S. Schoppmann[1], M.H. Shaevitz[8], R. Sharankova[27], D. Shrestha[15], V. Sibille[14], V. Sinev[13], M. Skorokhvatov[18], E. Smith[10], M. Soiron[1], J. Spitz[19], A. Stahl[1], I. Stancu[2], L.F.F. Stokes[30], M. Strait[6], F. Suekane[25], S. Sukhotin[18], T. Sumiyoshi[28], Y. Sun[2,36], R. Svoboda[9], K. Terao[19], A. Tonazzo[4], H.H. Trinh Thi[29], G. Valdiviesso[5], N. Vassilopoulos[22], C. Veyssiere[14], M. Vivier[14], S. Wagner[5], N. Walsh[9], H. Watanabe[20], C. Wiebusch[1], M. Wurm[30,38], G. Yang[3,12], F. Yermia[23] und V. Zimmer[29] — [1]III. Physikalisches Institut, RWTH Aachen University, 52056 Aachen, Germany — [2]Department of Physics and Astronomy, University of Alabama, Tuscaloosa, Alabama 35487, USA — [3]Argonne National Laboratory, Argonne, Illinois 60439, USA — [4]AstroParticule et Cosmologie, Université Paris Diderot, CNRS/IN2P3, CEA/IRFU, Observatoire de Paris, Sorbonne Paris Cité, 75205 Paris Cedex 13, France — [5]Centro Brasileiro de Pesquisas Físicas, Rio de Janeiro, RJ, 22290-180, Brazil — [6]The Enrico Fermi Institute, The University of Chicago, Chicago, Illinois 60637, USA — [7]Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas, CIEMAT, 28040, Madrid, Spain — [8]Columbia University; New York, New York 10027, USA — [9]University of California, Davis, California 95616, USA — [10]Department of Physics, Drexel University, Philadelphia, Pennsylvania 19104, USA — [11]Hiroshima Institute of Technology, Hiroshima, 731-5193, Japan — [12]Department of Physics, Illinois Institute of Technology, Chicago, Illinois 60616, USA — [13]Institute of Nuclear Research of the Russian Academy of Sciences, Moscow 117312, Russia — [14]Commissariat á l'Energie Atomique et aux Energies Alternatives, Centre de Saclay, IRFU, 91191 Gif-sur-Yvette, France — [15]Department of Physics, Kansas State University, Manhattan, Kansas 66506, USA — [16]Department of Physics, Kitasato University, Sagamihara, 252-0373, Japan — [17]Department of Physics, Kobe University, Kobe, 657-8501, Japan — [18]NRC Kurchatov Institute, 123182 Moscow, Russia — [19]Massachusetts Institute of Technology, Cambridge, Massachusetts 02139, USA — [20]Max-Planck-Institut für Kernphysik, 69117 Heidelberg, Germany — [21]University of Notre Dame, Notre Dame, Indiana 46556, USA — [22]IPHC, Université de Strasbourg, CNRS/IN2P3, 67037 Strasbourg, France — [23]SUBATECH, CNRS/IN2P3, Université de Nantes, Ecole des Mines de Nantes, 44307 Nantes, France — [24]Department of Physics and Astronomy, University of Tennessee, Knoxville, Tennessee 37996, USA — [25]Research Center for Neutrino Science, Tohoku University, Sendai 980-8578, Japan — [26]Tohoku Gakuin University, Sendai, 981-3193, Japan — [27]Department of Physics, Tokyo Institute of Technology, Tokyo, 152-8551, Japan — [28]Department of Physics, Tokyo Metropolitan University, Tokyo, 192-0397, Japan — [29]Physik Department, Technische Universität München, 85748 Garching, Germany — [30]Kepler Center for Astro and Particle Physics, Universität Tübingen, 72076 Tübingen, Germany — [31]Universidade Federal do ABC, UFABC, Santo André, SP, 09210-580, Brazil — [32]Universidade Estadual de Campinas-UNICAMP, Campinas, SP, 13083-970, Brazil — [33]Center for Neutrino Physics, Virginia Tech, Blacksburg, Virginia 24061, USA — [34]Now at Department of Physics, University of Maryland, College Park, Maryland 20742, USA. — [35]Now at Department of Physics, Kobe University, Kobe, 657-8501, Japan — [36]Now at Department of Physics & Astronomy, University of Hawaii at Manoa, Honolulu, Hawaii 96822, USA. — [37]Now at Instituto de Física Corpuscular, IFIC (CSIC/UV), 46980 Paterna, Spain. — [38]Now at Institut für Physik and Excellence Cluster PRISMA, Johannes Gutenberg-Universität Mainz, 55128 Mainz, Germany.

Koll 17: ECHo-Kollaboration

K. Blaum[2], T. Day Goodacre[7], H. Dorrer[3], Ch. E. Düllmann[3], K. Eberhardt[3], S. Eliseev[2], C. Enss[1], P. Filianin[2], A. Fässler[6], C. Fischer[1], A. Fleischmann[1], D. Fonnesu[1], L. Gastaldo[1], M. Gancharov[2], C. Hassel[1], D. Hengstler[1], J. Jochum[12], K. Johnston[7], M. Keller[1], S. Kempf[1], T. Kieck[5], U. Köster[13], M. Krantz[1], B. Marsh[7], C. Mokry[3], Yu. N. Novikov[9], P. C. O. Ranitzsch[15], S. Rothe[7], A. Rischka[2], J. Runke[3], A. Saenz[14], F. Schneider[3], S. Scholl[12], R. X. Schüssler[2], F. Simkovic[10], T. Stora[7], P. Thörle-Pospiech[3], A. Türler[8], M. Veinhard[7], M. Wegner[1], K. Wendt[4] und K. Zuber[11] — [1]Kirchhoff Institute for Physics, Heidelberg University, INF 227 D-69120 Heidelberg, Germany — [2]Max-Planck Institute for Nuclear Physics, Heidelberg, Germany — [3]Institute for Nuclear Chemistry, Johannes Gutenberg University, Mainz, Germany — [4]Institute for Physics, Johannes Gutenberg-University, Mainz, Germany — [5]Institute for Physics – Institute for Nuclear Chemistry, Johannes Gutenberg-University, Mainz, Germany — [6]Institute for Theoretical Physics, University of Tübingen, Tübingen, Germany — [7]ISOLDE, CERN, Geneve, Switzerland/France — [8]Paul Scherrer Institute, Laboratory for Radiochemistry and Environmental Chemistry, Villigen, Switzerland — [9]Petersburg Nuclear Physics Institute, Gatchina, Russia – Max-Planck Institute for Nuclear Physics, Heidelberg, Germany — [10]Department of Nuclear Physics and Biophysics, Comenius University, Bratislava, Slovakia — [11]Institute for Nuclear and Particle Physics, TU Dresden, Germany — [12]Physics Institute, University of Tübingen, Germany — [13]Institut Laue-Langevin, Grenoble, France — [14]Institute for Physics, Humboldt-University Berlin, Berlin, Germany — [15]Institute for Nuclear Physics, Muenster University, Wilhelm-Klemm-Str. 9, D-48149 Muenster, Germany

Koll 18: EDELWEISS-Kollaboration

E. Armengaud[1], Q. Arnaud[2], C. Augier[2], A. Benoît[3], T. Bergmann[4], L. Bergé[5], J. Billard[2], J. Blümer[6,7], T. de Boissière[1], G. Bres[3], A. Broniatowski[5,6], V. Brudanin[8], P. Camus[3], A. Cazes[2], M. Chapellier[5], F. Charlieux[2], A.-A. Drillien[5], L. Dumoulin[5], K. Eitel[7], D. Filosofov[8], N. Foerster[6], N. Fourches[1], G. Garde[3], J. Gascon[2], G. Gerbier[1], A. Giuliani[5], M. Grollier[3], M. Gros[1], L. Hehn[7], S. Hervé[1], G. Heuermann[6], V. Humbert[5], S. Jokisch[7], A. Juillard[2], M. De Jésus[2], M. Kleifges[4], V. Kozlov[7], H. Kraus[9], V. Kudryavtsev[10], C. Kéfélian[2,6], H. Le-Sueur[5], J. Lin[9], S. Marnieros[5], A. Menshikov[4], X.-F. Navick[1], C. Nones[1], E. Olivieri[5], P. Pari[11], B. Paul[1], M.-C. Piro[5], M. Robinson[10], H. Rodenas[3], S. Rozov[8], V. Sanglard[2], B. Schmidt[7], S. Scorza[6], B. Siebenborn[7], D. Tcherniakhovski[4], L. Vagneron[2], M. Weber[4], E. Yakushev[8] und X. Zhang[9] — [1]CEA Saclay, DSM/IRFU, 91191 Gif-sur-Yvette Cedex, France — [2]Institut de Physique Nucléaire de Lyon-UCBL, IN2P3-CNRS, 4 rue Enrico Fermi, 69622 Villeurbanne Cedex, France — [3]Institut Néel, CNRS/UJF, 25 rue des Martyrs, BP 166, 38042 Grenoble, France — [4]Karlsruher Institut für Technologie, Institut für Prozessdatenverarbeitung und Elektronik, Postfach 3640, 76021 Karlsruhe, Germany — [5]Centre de Sciences Nucléaires et de Sciences de la Matière, IN2P3-CNRS, Universite Paris XI, bat 108, 91405 Orsay, France — [6]Karlsruher Institut für Technologie, Institut für Experimentelle Kernphysik, Gaedestr. 1, 76128 Karlsruhe, Germany — [7]Karlsruher Institut für Technologie, Institut für Kernphysik, Postfach 3640, 76021 Karlsruhe, Germany — [8]JINR, Laboratory of Nuclear Problems, Joliot-Curie 6, 141980 Dubna, Moscow Region, Russian Federation — [9]University of Oxford, Department of Physics, Keble Road, Oxford OX1 3RH, UK — [10]University of Sheffield, Department of Physics and Astronomy, Sheffield, S3 7RH, UK — [11]CEA Saclay, DSM/IRAMIS, 91191 Gif-sur-Yvette Cedex, France

Koll 19: EtaPrime-Kollaboration

Yassid Ayyad[1], Jose Benlliure[2], Kai-Thomas Brinkmann[3], Stefan Friedrich[3], Hiroyuki Fujioka[4], Hans Geissel[5], Jnaneswari Gellanki[6], Chenlei Guo[7], Eric Gutz[3], Emma Haettner[5], Muhsin Nayef Harakeh[6], Ryugo S. Hayano[8], Yuko Higashi[9], Satoru Hirenzaki[9], Christine Hornung[3], Yoichi Igarashi[10], Natsumi Ikeno[11], Kenta Itahashi[12], Masahiko Iwasaki[12], Daisuke Jido[13], Nasser Kalantar-Nayestanaki[6], Rituparna Kanungo[14], Ronja Knoebel[5], Nikolaus Kurz[5], Volker Metag[3], Ivan Mukha[5], Tomofumi Nagae[4], Hideko Nagahiro[9], Mariana Nanova[3], Takahiro Nishi[8], Hooi Jin Ong[1], Stephane Pietri[5], Andrej Prochazka[5], Christophe Rappold[5], Pascal Reiter[5], Jose Luis Rodriguez Sanchez[2], Christoph Scheidenberger[3,5], Haik Simon[5], Branislav Sita[15], Peter Strmen[15], Baohua Sun[7], Ken Suzuki[16], Imrich Szarka[15], Maya Takechi[17], Yoshiki K. Tanaka[5], Isao Tanihata[1,7], Satoru Terashima[7], Yuni N. Watanabe[8], Helmut Weick[5], Eberhard Widmann[16], John Winfield[5], Xiaodong Xu[5], Hiroki Yamakami[4] und Jianwei Zhao[7] — [1]RCNP, Osaka University — [2]Universidade de Santiago de Compostela — [3]II. Physikalisches Institut, Universität Gießen —

[4]Department of Physics, Kyoto University — [5]GSI Helmholtzzentrum für Schwerionenforschung GmbH — [6]KVI, University of Groningen — [7]School of Physics and Nuclear Energy Engineering, Beihang University — [8]Department of Physics, University of Tokyo — [9]Department of Physics, Nara Women's University — [10]Institute of Particle and Nuclear Physics, High Energy, Accelerator Research Organization — [11]Tohoku University — [12]RIKEN Nishina Center, Tokyo — [13]Department of Physics, Tokyo Metropolitan University — [14]Saint Mary's University — [15]Comenius University Bratislava — [16]Stefan Meyer Institut für subatomare Physik, Wien — [17]Niigata University

Koll 20: EURICA RIBF09-Kollaboration
Marek Lewitowicz[1], Roman Gernhäuser[2], Shunji Nishimura[3], Reiner Krücken[4], Hiroyoshi Sakurai[3], Hidetada Baba[3], Bertram Blank[6], Andrey Blazhev[7], Plamen Boutachkov[8], Frank Browne[9], Igor Celikovic[1], Pieter Doornenbal[3], Thomas Faestermann[2], Yifan Fang[10], Gilles de France[1], Namita Goel[8], Magdalena Gorska[8], Stoyanka Ilieve[11], Tadaaki Isobe[3], Andrea Jungclaus[12], Gi Dong Kim[13], Yong-Kyun Kim[13], Ivan Kojouharov[8], Nico Kurz[8], Giuseppe Lorusso[3], Daniel Lubos[2], Kevin Moschner[7], Ippei Nishizuka[15], Jason Park[4], Zena Patel[16], Mustafa Moiz Rajabali[4], Henning Schaffner[8], Laura Sinclair[17], Pär-Anders Söderström[4], Konrad Steiger[2], Toshiyuki Sumikama[15], Hiroshi Watanabe[18], Zhimin Wang[4], Jin Wu[14] und Zhengyu Xu[5] — [1]GANIL — [2]Technische Universität München — [3]RIKEN Nishina Center — [4]TRIUMF — [5]Department of Physics, Tokyo — [6]CENBG — [7]Institut für Kernphysik, Universität zu Köln — [8]GSI Darmstadt — [9]School of Comp., Eng. and Maths., Brighton University — [10]Department of Physics, Osaka University — [11]Institut für Kernphysik, TU Darmstadt — [12]IES CSIS — [13]Institute of Basic Science — [14]School of Physics, Peking University — [15]Department pf Physics, Tohoku University — [16]Department of Physics, Surrey University — [17]Department of Physics, University of York — [18]Department of Physics, Beihang University

Koll 21: EXILL-Kollaboration
Christian Bernards[1], Aurelien Blanc[2], R. Burcu Cakili[3], Richard F. Casten[1], Nathan Cooper[1], Gilles Defrance[4], Michael Jentschel[2], Jan Jolie[5], Oliver Kaleja[6], Ulli Köster[2], Thorsten Kröll[6], Paolo Mutti[2], Michael Pfeiffer[5], Jean-Marc Régis[5], Nima Saed-Samii[5], Marcus Scheck[6,7,8], Gary Simpson[9], Torsten Soldner[2], Jill Stamm[6], Michael Thürauf[6], Mehmet Tezgel[6], Waldemar Urban[10], Nigel Warr[5], Jeff Vanhoy[11], Max Werner[6], Volker Werner[1,6], Dennis Wilmsen[4,5] und Karl Oskar Zell[5] — [1]Wright Laboratory, Yale Univ., New Haven, CT, USA — [2]Institut Laue-Langevin, Grenoble, France — [3]Istanbul University, Turkey — [4]Grand Accélérateur National d'Ions Lourds, Caen, France — [5]Institut für Kernphysik, Universität zu Köln, Germany — [6]Institut für Kernphysik, TU Darmstadt, Germany — [7]School of Eng. and Comp., Univ. of the West of Scotland, Paisley, UK — [8]The Scottish Universities Physics Alliance, Glasgow, UK — [9]LPSC, UJF Grenoble I, France — [10]Faculty of Physcis, University of Warsaw, Poland — [11]Dep. of Physics, U.S. Naval Academy, Annapolis, MD, USA

Koll 22: EXL E105-Kollaboration
Soumya Bagchi[1], Sabine Bönig[2], Margit Csatlós[3], Iris Dillmann[4], Christina Dimopoulou[4], Peter Egelhof[4], Vladimir Eremin[5], Tatsuya Furuno[6], Hans Geissel[4], Roman Gernhäuser[7], Mushin N. Harakeh[1], Anna-Lena Hartig[2], Stoyanka Ilieva[2], Nasser Kalantar-Nayestanaki[1], Oleg Kiselev[4], Holger Kollmus[4], Christophor Kozhuharov[4], Attila Krasznahorkay[3], Thorsten Kröll[2], Maartje Kuilman[1], Sergey Litvinov[4], Yuri A. Litvinov[4], Masoud Mahjour-Shafiei[1,8], Manfred Mutterer[4], Daisuke Nagae[9], Mohammad Ali Najafi[1], Chiara Nociforo[4], Fritz Nolden[4], Ulrich Popp[4], Catherine Rigollet[1], Santosh Roy[1], Christoph Scheidenberger[4], Mirko von Schmid[2], Markus Steck[4], Branislav Streicher[1,4], László Stuhl[3], Michael Thürauf[2], Tomohiro Uesaka[10], Helmut Weick[4], John Stuart Winfield[4], Danyal Winters[4], Philip J. Woods[11], Takayuki Yamaguchi[12], Ke Yue[2,4,13], Juan Carlos Zamora[2] und Juzo Zenihiro[10] — [1]KVI-CART, Groningen, The Netherlands — [2]Institut für Kernphysik, TU Darmstadt, Germany — [3]Institute for Nuclear Research, MTA-Atomki, Debrecen, Hungary — [4]GSI Helmholtzzentrum für Schwerionenforschung GmbH, Darmstadt, Germany — [5]Ioffe Physical-Technical Institute, St. Petersburg, Russia — [6]Kyoto University, Japan — [7]Physik-Department E12, TU München, Germany — [8]University of Tehran, Iran — [9]University of Tsukuba, Japan — [10]RIKEN Nishina Center, Japan — [11]University of Edinburgh, UK — [12]Saitama University, Japan — [13]Institute of Modern Physics, Lanzhou, China

Koll 23: FRS Ion Catcher-Kollaboration
Faraz Amjad[2], Samuel Ayet[2], Julian Bergmann[1], Peter Dendooven[3], Timo Dickel[2], Marcel Diwisch[1], Jens Ebert[1], Alfredo Estrade[2], Fabio Farinon[2], Hans Geissel[1,2], Florian Greiner[1], Emma Haettner[2], Fabian Heisse[2], Christine Hornung[1], Christian Jesch[1], Nasser Kalantar-Nayestanaki[2], Ronja Knoebel[2], Jan Kurcewicz[2], Wayne Lippert[1], Ivan Miskun[2], Ian Moore[4], Ivan Mukha[2], Chiara Nociforo[2], Martin Petrick[1], Marek Pfuetzner[2], Stephane Pietri[2], Wolfgang R. Plass[1,2], Ilka Pohjaline[4], Andrej Prochazka[2], Sivaji Purushothaman[2], Manisha Ranjan[3], Moritz Pascal Reiter[1], Ann-Kathrin Rink[1], Sami Rinta-Antila[4], Christoph Scheidenberger[1,2], Maya Takechi[2], Yoshiki Tanaka[2], Helmut Weick[2], John Stuart Winfield[2], Xu Xiadong[2], Mikhail Yavor[5] und Aleksandra Kelic-Heil[2] — [1]II. Physikalisches Institut, Justus-Liebig-Universität Gießen, Gießen, Germany — [2]GSI Helmholzzentrum für Schwerionenforschung, Darmstadt, Germany — [3]KVI, University of Groningen, The Netherlands — [4]University of Jyväskylä, Jyväskylä, Finland — [5]Institute for Analytic Instrumentation, RAS, St. Petersburg, Russia

Koll 24: FRS-ESR-Kollaboration
Fritz Bosch[1], David Boutin[1], Lixin Chen[1], Christina Dimopoulou[1], Marcel Diwisch[2], Oleksiy Dolinskyy[1], Bernhard Franczak[1], Bernhardt Franzke[1], Hans Geissel[1,2], Marc Hausmann[3], Ronja Knöbel[1], Christophor Kozhuharov[1], Jan Kurcewicz[1], Sergey A. Litvinov[1], Yuri A. Litvinov[1], Gottfried Münzenberg[1], Gabriel Martinez-Pinedo[4,1], Milan Matoš[1], Marco Mazzocco[1], Shinpei Nakajima[5], Chiara Nociforo[1], Fritz Nolden[1], Taka Ohtsubo[6], Aki Ozawa[7], Zygmunt Patyk[8], Wolfgang R. Plass[1,2], Christoph Scheidenberger[1,2], Jens Stadlmann[1], Markus Steck[1], Baohua Sun[9,1], Takeshi Suzuki[5], Phil M. Walker[10], Helmut Weick[1], Martin Winkler[1], Meng-Ru Wu[4] und Takayuki Yamaguchi[5] — [1]GSI Helmholtzzentrum für Schwerionenforschung GmbH, 64291 Darmstadt, Germany — [2]II. Physikalisches Institut, Justus-Liebig-Universität Gießen, 35392 Gießen, Germany — [3]Michigan State University, East Lansing, Michigan 48824, USA — [4]Physikalisches Institut, Technische Universität Darmstadt, 64289 Darmstadt — [5]Department of Physics, Saitama University, Saitama 338-8570, Japan — [6]Department of Physics, Niigata University, Niigata 950-2181, Japan — [7]Institute of Physics, University of Tsukuba, Ibaraki 305-8571, Japan — [8]National Centre for Nuclear Research - NCBJ Swierk, Hoża 69, 00-681 Warszawa, Poland — [9]School of Physics and Nuclear Energy Engineering, Beihang University, Beijing 100191, China — [10]Department of Physics, University of Surrey, Guildford, GU2 7XH, United Kingdom

Koll 25: GERDA-Kollaboration
Matteo Agostini[1], Matthias Allardt[4], Alexander M Bakalyarov[13], Marco Balata[1], Igor Barabanov[11], Laura Baudis[19], Christian Bauer[7], Enrico Bellotti[8,9], Sergej Belogurov[12,11], Spartak T Belyaev[13], Giovanni Benato[19], Alessandro Bettini[16,17], Leonid Bezrukov[11], Tobias Bode[15], Dariusz Borowicz[3,5], Victor Brudanin[5], Riccardo Brugnera[16,17], Allen Caldwell[14], Carla Cattadori[9], Andrey Chernogorov[12], Valerio D'Andrea[1], Elena V Demidova[12], Natalia Di Marco[1], Assunta di Vacri[1], Alexander Domula[4], Evgenyi Doroshkevich[11], Viacheslav Egorov[5], Raphael Falkenstein[18], Olga Fedorova[11], Kai Freund[18], Nikodem Frodyma[3], Albert Gangapshev[11,7], Alberto Garfagnini[16,17], Chris Gooch[14], Peter Grabmayr[18], Valery Gurentsov[11], Konstantin Gusev[13,5,15], Caroline Hahne[4], Janina Hakenmüller[7], Alexander Hegai[18], Mark Heisel[7], Sabine Hemmer[16,17], Werner Hofmann[7], Mikael Hult[6], Lev Inzhechik[11], Jozsef Janicsko Csathy[15], Josef Jochum[18], Matthias Junker[1], Vladimir Kazalov[11], Thomas Kihm[7], Igor V Kirpichnikov[12], Andrea Kirsch[7], Alex Kish[19], Alexander Klimenko[7,5], Raphael Kneissl[14], Karl T Knöpfle[7], Oleg Kochetov[5], Vasily N Kornoukhov[12,11], Valery V Kuzminov[11], Matthias Laubenstein[1], Andrea Lazzaro[15], Valentin I Lebedev[13], Björn Lehnert[4], Heng Y Liao[14], Manfred Lindner[7], Ivano Lippi[17], Alexey Lubashevskiy[7,5], Bayarto Lubsandorzhiev[11], Guillaume Lutter[6], Bela Majorovits[14], Werner Maneschg[7],

Eduardo Medinaceli[16,17], Michael Miloradovic[19], Rizalina Mingazheva[19], Marcin Misiaszek[3], Pavel Moseev[11], Igor Nemchenok[5], Dimitris Palioselitis[14], Krysztof Panas[3], Luciano Pandola[2], Krysztof Pelczar[3], Alberto Pullia[10], Stefano Riboldi[10], Nadezda Rumyantseva[5], Cinzia Sada[16,17], Francesco Salamida[9], Marco Salathe[7], Christopher Schmitt[18], Birgit Schneider[4], Jochen Schreiner[7], Oliver Schulz[14], Bernhard Schwingenheuer[7], Stefan Schönert[15], Ann-Katrin Schütz[18], Oleg Selivanenko[11], Egor Shevchik[5], Mark Shirchenko[13,5], Hardy Simgen[7], Anatoly Smolnikov[7], Luca Stanco[17], Mykola Stepaniuk[7], Laura Vanhoefer[14], Andrey A Vasenko[12], Anna Veresnikova[11], Katharina von Sturm[16,17], Victoria Wagner[7], Manuel Walter[19], Anne Wegmann[7], Thomas Wester[4], Christoph Wiesinger[15], Heinrich Wilsenach[4], Marcin Wojcik[3], Evgeny Yanovich[11], Igor Zhitnikov[5], Sergey V Zhukov[13], Daniya Zinatulina[5], Kai Zuber[4] und Grzegorz Zuzel[3] — [1]INFN Laboratori Nazionali del Gran Sasso and Gran Sasso Science Institute, Assergi, Italy — [2]INFN Laboratori Nazionali des Sud, Catania, Italy — [3]Institute of Physics, Jagiellonian University, Cracow, Poland — [4]Institut für Kern- und Teilchenphysik, Technische Universität Dresden, Dresden, Germany — [5]Joint Institute for Nuclear Research, Dubna, Russia — [6]Institute for Reference Materials and Measurements, Geel, Belgium — [7]Max-Planck-Institut für Kernphysik, Heidelberg, Germany — [8]Dipartimento di Fisica, Università Milano Bicocca, Milano, Italy — [9]INFN Milano Bicocca, Milano, Italy — [10]Dipartimento di Fisica, Università degli Studi di Milano e INFN Milano, Milano, Italy — [11]Institute for Nuclear Research of the Russian Academy of Sciences, Moscow, Russia — [12]Institute for Theoretical and Experimental Physics, Moscow, Russia — [13]National Research Centre "Kurchatov Institute", Moscow, Russia — [14]Max-Planck-Institut für Physik, München, Germany — [15]Physik Department and Excellence Cluster Universe, TU München, Germany — [16]Dipartimento di Fisica e Astronomia dell'Università di Padova, Padova, Italy — [17]INFN Padova, Padova, Italy — [18]Physikalisches Institut, Eberhard Karls Universität Tübingen, Tübingen, Germany — [19]Physik Institut der Universität Zürich, Zürich, Switzerland

Koll 26: HADES-Kollaboration

Jörn Adamczewski-Musch[4], Geydar Agakishiev[7], Oliver Arnold[10,9], Ermias Atomssa[15], Claudia Behnke[8], Alexander Belyaev[7], Jacek Biernat[3], Alberto Blanco[2], Christoph Blume[8], Michael Böhmer[10], Paula Bordalo[2], Sergey Chernenko[7], Christina Deveaux[11], Jose Diaz[18], Eliane Epple[10,9], Laura Fabbietti[10,9], Oleg Fateev[10,9], Peter Filip[1], Paulo Fonte[2], Celso Franco[2], Jürgen Friese[10], Ingo Fröhlich[8], Tetyana Galatyuk[5], Juan Garzón[17], Roman Gernhäuser[10], Alejandro Gil[18], Marina Golubeva[12], Fedor Guber[12], Malgorzata Gumberidze[5], Szymon Harabasz[5,3], Klaus Heidel[6], Thorsten Heinz[4], Thierry Hennino[15], Mathilde Himmelreich[8], Claudia Höhne[11], Romain Holzmann[4], Alexander Ierusalimov[7], Alexander Ivashkin[12], Burkhard Kämpfer[6], Marcin Kajetanowicz[3], Tatiana Karavicheva[12], Behruz Kardan[8], Vladimir Khomyakov[13], Ilse Koenig[4], Wolfgang Koenig[4], Burkhard Kolb[4], Vladimir Kolganov[13], Grzegorz Korcyl[3], Frederic Kornas[5], Roland Kotte[6], Erik Krebs[8], Andrej Kugler[16], Tobias Kunz[10], Alexei Kurepin[12], Alexei Kurilkin[7], Pavel Kurilkin[7], Vladimir Ladygin[7], Rafal Lalik[10,9], Kirill Lapidus[10,9], Alexander Lebedev[13], Sergey Linev[4], Ming Liu[11], Luis Lopes[2], Manuel Lorenz[8], Gennady Lykasov[7], Tariq Mahmoud[11], Ludwig Maier[10], Alexander Malakhov[7], Jochen Markert[4], Volker Metag[11], Jan Michel[8], Dimitar Mihaylov[10,9], Christian Müntz[8], Robert Münzer[10,9], Lothar Naumann[6], Yannis Parpottas[14], Vladimir Pechenov[4], Olga Pechenov[8], Americo Pereira[2], Vlasios Petousis[14], Oleg Petukhov[12], Jerzy Pietraszko[4], Arun Prakash[16], Witold Przygoda[3], Nicolay Rabin[13], Sergio Ramos[2], Béatrice Ramstein[15], Andrei Reshetin[12], Philippe Rosier[15], Adrian Rost[5], Alexander Sadovsky[12], Piotr Salabura[3], Timo Scheib[8], Heidi Schuldes[8], Erwin Schwab[4], Federico Scozzi[5,15], Florian Seck[5], Patrick Sellheim[8], Luis Silva[2], Vladimir Smolyankin[13], Jerzy Smyrski[3], Manfred Sobiella[6], Yuri Sobolev[16], Stefano Spataro[19], Herbert Ströbele[8], Joachim Stroth[8,4], Pawel Strzempek[3], Christian Sturm[4], Ondřej Svoboda[16], Pavel Tlusty[16], Michael Traxler[4], Alexander Troyan[7], Haralabos Tsertos[14], Taras Vasiliev[7], Vladimir Wagner[16], Christian Wendisch[4], Michael Wiebusch[8], Joana Wirth[10,9], Jörn Wüstenfeld[6] und Yuri Zanevsky[7] — [1]Institute of Physics, Slovak Academy of Sciences, 84228 Bratislava, Slovakia — [2]LIP-Laboratório de Instrumentação e Física Experimental de Partículas , 3004-516 Coimbra, Portugal — [3]Smoluchowski Institute of Physics, Jagiellonian University of Cracow, 30-059 Kraków, Poland — [4]GSI Helmholtzzentrum für Schwerionenforschung GmbH, 64291 Darmstadt, Germany — [5]Technische Universität Darmstadt, 64289 Darmstadt, Germany — [6]Institut für Strahlenphysik, Helmholtz-Zentrum Dresden-Rossendorf, 01314 Dresden, Germany — [7]Joint Institute of Nuclear Research, 141980 Dubna, Russia — [8]Institut für Kernphysik, Goethe-Universität, 60438 Frankfurt, Germany — [9]Excellence Cluster 'Origin and Structure of the Universe' , 85748 Garching, Germany — [10]Physik Department E12, Technische Universität München, 85748 Garching, Germany — [11]II.Physikalisches Institut, Justus Liebig Universität Giessen, 35392 Giessen, Germany — [12]Institute for Nuclear Research, Russian Academy of Science, 117312 Moscow, Russia — [13]Institute of Theoretical and Experimental Physics, 117218 Moscow, Russia — [14]Department of Physics, University of Cyprus, 1678 Nicosia, Cyprus — [15]Institut de Physique Nucléaire (UMR 8608), CNRS/IN2P3 - Université Paris Sud, F-91406 Orsay Cedex, France — [16]Nuclear Physics Institute, Academy of Sciences of Czech Republic, 25068 Rez, Czech Republic — [17]LabCAF. F. Física, Univ. de Santiago de Compostela, 15706 Santiago de Compostela, Spain — [18]Instituto de Física Corpuscular, Universidad de Valencia-CSIC, 46971 Valencia, Spain — [19]Dipartimento di Fisica and INFN, Università di Torino, 10125 Torino, Italy

Koll 27: ISOLTRAP-Kollaboration

Numa Althubiti[1], Paulin Ascher[2], Dinko Atanasov[3], Klaus Blaum[3], Martin Breitenfeldt[4,10], Rabia Burcu Cakirli[5], Thomas Elias Cocolios[1], Antoine de Roubin[3], Sebastian George[3], Frank Herfurth[6], Magdalena Kowalska[4], Susanne Kreim[3], Yury Litvinov[6], David Lunney[7], Vladimir Manea[3], Enrique Minaya-Ramirez[3], Maxime Mougeot[7], Dennis Neidherr[6], Marco Rosenbusch[8], Lutz Schweikhard[8], Andree Welker[4,9], Frank Wienholtz[8], Robert Wolf[3] und Kai Zuber[9] — [1]University of Manchester, United Kingdom — [2]CENBG, Bordeaux, France — [3]Max-Planck-Institut für Kernphysik, Heidelberg, Germany — [4]CERN, Geneva, Switzerland — [5]Department of Physics, University of Istanbul, Turkey — [6]GSI Helmholtzzentrum für Schwerionenforschung GmbH, Darmstadt, Germany — [7]CSNSM-IN2P3-CNRS, Orsay, France — [8]Ernst-Moritz-Arndt-Universität, Institut für Physik, Greifswald, Germany — [9]Institut für Kern- und Teilchenphysik, Technische Universität Dresden, Germany — [10]Grupo de Fisica Nuclear, Universidad Complutense, Madrid, Spain

Koll 28: JEDI-Kollaboration

Sergei Andrianov[1], Witold Augustyniak[2], Zara Bagdasarian[3], Mei Bai[4], Maud Baylac[5], Ulf Bechstedt[4], Werner Bernreuther[6], Susanna Bertelli[7], Martin Berz[8], Christian Böhme[4], Jürgen Böker[4], Jan Bsaisou[3], Stanislav Chekmenev[9], David Chiladze[10], Guiseppe Ciullo[7], Marco Contalbrigo[7], Jean Marie De Conto[11], Jordy de Vries[12], Sergey Dymov[13], Ralf Engels[3], Frank Martin Esser[14], Dennis Eversmann[9], Olaf Felden[3], Peter Fierlinger[15], Martin Gaisser[16], Ralf Gebel[3], Harald Glückler[14], Frank Goldenbaum[3], Kirill Grigoryev[9], Dieter Grzonka[3], Greta Guidoboni[7], Tanja Hahnraths[17], Christoph Hanhart[3], Dirk Heberling[18], Volker Hejny[3], Nils Hempelmann[9], Jan Henry Hetzel[4], Fabian Hinder[9], Robert Hipple[8], Dominik Hölscher[18], Andrei Ivanov[1], Andro Kacharava[3], Vsevolod Kamerdzhiev[4], Boguslaw Kamys[19], Irakli Keshelashvili[3], Alfons Khoukaz[20], Ivan Koop[21], Hans-Joachim Krause[22], Peter Kravtsov[23], Sigfried Krewald[3], Anatoli Kulikov[13], Andreas Lehrach[4], Paolo Lenisa[7], Nodar Lomidze[10], Bernd Lorentz[4], Paul Maanen[9], Gogi Macharashvili[24], Andrzej Magiera[19], Rudolf Maier[4], Kyoko Makino[8], Bohdan Marianski[2], David Mchedlishvili[3], Ulf Meissner[25], Eric Metodiev[26], Sebastian Mey[4], William Morse[27], Alexander Nass[3], Ghaleb Natour[14], Nikolay Nikolaev[28], Mikheil Nioradze[10], Andreas Nogga[3], Krzysztof Nowakowski[19], Yuri Orlov[29], Andrea Pesce[7], Dieter Prasuhn[4], Joerg Pretz[9], Frank Rathmann[3], James Ritman[3], Marcel Rosenthal[9], Zbigniew Rudy[19], Artem Saleev[3], Vera Schmidt[4], Thomas Sefzick[30], Yannis Semertzidis[16], Yuri Senichev[4], Vera Shmakova[13], Alexander Silenko[31], Michael Simon[4], Jamal Slim[18], Helmut Soltner[14], Achim Stahl[9], Rolf Stassen[4], Marco Statera[7], Edward Stephenson[32], Hans Stockhorst[4], Heidi Straatmann[14], Hans Stroeher[3], Mirian Tabidze[10], Richard Talman[29], Pia Thörngren Engblom[33], Fabian Trinkel[9], Andrzej Trzcinski[2], Yuri Uzikov[13], Yuri

Valdau[25], Eremey Valetov[8], Alexander Vassiliev[23], Christian Weidemann[3], Colin Wilkin[34], Andreas Wirzba[3], Aleksandra Wrońska[19], Peter Wuestner[14], Monika Zakrzewska[19], Pawel Zupranski[35] und Denis Zyuzin[1] — [1]Faculty of Applied Mathematics and Control Processes, St. Petersburg State University. St. Petersburg, Russia. — [2]Department of Nuclear Physics, National Centre for Nuclear Research. Warsaw, Poland. — [3]Institut für Kernphysik, Forschungszentrum Jülich. Jülich, Germany. — [4]IKP-4, Forschungszentrum Jülich. Jülich, Germany. — [5]CNRS/IN2P3 - UGA, LPSC . Grenoble, France. — [6]Institut für Theoretische Teilchenphysik und Kosmologie, RWTH Aachen University. Aachen, Germany. — [7]Istituto Nazionale di Fisica Nucleare. Ferrara, Italy. — [8]Department of Physics and Astronomy, Michigan State University. East Lansing, Michigan, USA. — [9]III. Physikalisches Institut B, RWTH Aachen University. Aachen, Germany. — [10]High Energy Physics Institute, Tbilisi State University. Tbilisi, Georgia. — [11]LPSC, Université Grenobles Alpes. Grenoble, France. — [12]Institute for Advanced Simulation, Forschungszentrum Jülich. Jülich, Germany. — [13]Laboratory of Nuclear Problems, Joint Institute for Nuclear Research. Dubna, Russia. — [14]Zentralinstitut für Engineering, Elektronik und Analytik, Forschungszentrum Jülich. Jülich, Germany. — [15]Physics, TU München. Garching, Germany — [16]Center for Axion and Precision Physics Research, Institute for Basic Science. Daejeon, Republic of Korea. — [17]IKP, Forschungszentrum Jülich. Juelich, Germany. — [18]Institut für Hochfrequenztechnik, RWTH Aachen University. Aachen, Germany. — [19]Institute of Physics, Jagiellonian University. Cracow, Poland. — [20]Institut für Kernphysik, Universität Münster. Münster, Germany. — [21]Budker Institute of Nuclear Physics. Novosibirsk, Russia. — [22]PGI-8, Forschungszentrum Jülich. Jülich, Germany. — [23]Petersburg Nuclear Physics Institute. Gatchina, Russia. — [24]Tbilisi State University. Tbilisi, Georgia. — [25]Helmholtz-Instituts für Strahlen- und Kernphysik, Universität Bonn. Bonn, Germany. — [26]Center for Axion and Precision Physics, Institute for Basic Science. Daejeon, Republic of Korea. — [27]Physcis, BNL. Upton, USA. — [28]L.D. Landau Institute for Theoretical Physics. Chernogolovka, Russia. — [29]Department of Physics, Cornell University. Ithaca, USA. — [30]IKP, FZJ. Juelich, D. — [31]Research Institute for Nuclear Problems, Belarusian State University. Minsk, Belarus. — [32]Center for Spacetime Symmetries, Indiana University. Bloomington, USA. — [33]Department of Physics, KTH Royal Institute of Technology. Stockholm, Sweden. — [34]Physics and Astronomy Department, University College London. London, United Kingdom. — [35]Department of Nuclear Reactions, Andrzej Soltan Institute for Nuclear Studies. Warsaw, Poland.

Koll 29: KATRIN-Kollaboration

Birgit Adams[1], John Amsbaugh[2], Johannes Antoni[1], Marius Arenz[3], Martin Babutzka[1], Matthew Bahr[4], Frank Bandenburg[1], John Barrett[5], Marcus Beck[6], Armen Beglarian[1], Jan D. Behrens[7], Alexander Belesev[8], Till Bergmann[1], Anatoly Berlev[8], Johannes Blümer[1], Klaus Blaum[9], Steffen Bobien[1], Laura Bodine[2], Beate Bornschein[1], Lutz Bornschein[1], Heiko Bouquet[1], Tom Burritt[2], Suren Chilingarian[1], Rodolphe Combe[1], Thomas Corona[10], Christian Day[1], Peter Doe[2], Kai Dolde[1], Otokar Dragoun[11], Guido Drexlin[1], Stephan Dyba[7], Sylvia Ebenhöch[1], Klaus Eitel[1], Enrico Ellinger[12], Sanshiro Enomoto[2], Moritz Erhard[1], Dieter Eversheim[3], Arne Felden[1], Sebastian Fischer[1], Joseph Formaggio[5], Florian Fränkle[1], Holger Frenzel[1], Daniel Furse[5], Rainer Gehring[1], Hartmut Gemmeke[1], Evgeny Geraskin[8], Marian Ghilea[4], Woosik Gil[1], Ferenc Glück[1], Alexander Golubev[8], Stefan Groh[1], Steffen Grohmann[1], Rainer Gumbsheimer[1], Thomas Höhn[1], Moritz Hackenjos[1], Volker Hannen[7], Steen Hannestad[13], Fabian Harms[1], Julius Hartmann[1], Norman Haussmann[12], Waldemar Hazenbiller[14], Florian Heizmann[1], Klaus Helbing[12], Stephanie Hickford[12], Daniel Hilk[1], Mark Howe[10], Anton Huber[1], Timothy James[1], Alexander Jansen[1], Asher Kaboth[5], James Kelsey[5], Norbert Kernert[1], Marco Kleesiek[1], Manuel Klein[1], Andreas Kopmann[1], Marc Korzeczek[1], Andreas Kosmider[1], Aloiz Kovalik[11], Uwe Krämer[1], Marcel Kraus[1], Holger Krause[1], Laura Kuckert[1], Andrej Kudymow[1], Luisa La Cascio[1], Ondrej Lebeda[11], Benjamin Leiber[1], Johann Letnev[14], Nikolay Likhovid[8], Johanna Linek[1], Martin Mark[1], Alexander Markin[8], Eric Martin[2], Susanne Mertens[15], Benjamin Monreal[4], Axel Müller[1], Florian Müller[1], Klaus Müller[1], Uwe Naumann[12], Simon Niemes[1], Mathias Noe[1], Alexander Nozik[8], Noah Oblath[5], Jan Oertlin[1], Hans-Werner Ortjohann[7], Alexander Osipowicz[14], Ernst Otten[6], Vladislav Pantuyev[8], Vladimir Parfenov[8], Diana S. Parno[2], David A. Peterson[2], Lars Petzold[1], David Phillips[10], Peter Plischke[1], Alan Poon[15], Jahangir Pouryamout[12], Florian Priester[1], Marco Röllig[1], Manuel Rabold[1], Philipp C. Ranitzsch[7], Oliver Rest[7], Ingo Reuter[1], Richard Rink[1], Hamish Robertson[2], Petra Rohr[1], Simone Rupp[1], Miloš Ryšavý[11], Kerstin Schönung[1], Klaus Schlösser[1], Magnus Schlösser[16], Johannes Schwarz[1], Hendrik Seitz-Moskaliuk[1], Jana Sentkerestiová[11], Aino Skasyrskaya[8], Martin Slezak[11], Antonin Spalek[11], Markus Steidl[1], Nicholas Steinbrink[7], Michael Sturm[1], Manfred Süsser[1], Helmut Telle[16], Thomas Thümmler[1], Nikita Titov[8], Nicolai Tolich[2], Nikolaus Trost[1], Herbert Ullrich[1], Angel Urena[16], Sebastian Vöcking[7], Kathrin Valerius[1], Tim Van Wechel[2], Drahoslav Venos[11], Reiner Vianden[3], Sascha Wüstling[1], Oliver Wack[1], Brandon Wall[2], Nancy Wandkowsky[1], Marc Weber[1], Christian Weinheimer[7], Johannes Weis[1], John Wilkerson[10], Joachim Wolf[1], Julien Wulf[1], Michael Zacher[7] und Sergey Zadoroghny[8] — [1]Karlsruher Institut für Technologie, Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen, Germany — [2]University of Washington, Center for Experimental Nuclear Physics and Astrophysics, and Department of Physics, Seattle, WA 98195, USA — [3]Universität Bonn, Helmholtz-Institut für Strahlen- und Kernphysik, Nussallee 14-16, 53115 Bonn, Germany — [4]University of California at Santa Barbara, Department of Physics, Broida Hall, Santa Barbara, CA 93106-9530, USA — [5]Massachusetts Institute of Technology, Laboratory for Nuclear Science, 77 Massachusetts Ave, Cambridge, MA 02139, USA — [6]Johannes Gutenberg-Universität Mainz, Institut für Physik, 55099 Mainz, Germany — [7]Westfälische Wilhelms-Universität Münster, Institut für Kernphysik, Wilhelm-Klemm-Str. 9, 48149 Münster, Germany — [8]Academy of Sciences of Russia, Institute for Nuclear Research, 60th October Anniversary Prospect 7a, 117312 Moscow, Russia — [9]Max-Planck-Institut für Kernphysik, Saupfercheckweg 1, 69117 Heidelberg, Germany — [10]University of North Carolina, Department of Physics and Astronomy, Phillips Hall, CB 3255, Chapel Hill, NC 27599-3255, USA — [11]Academy of Sciences of the Czech Republic, Nuclear Physics Institute, CZ-250 68 Řež near Prague, Czech Republic — [12]University of Wuppertal, Gaußstr. 20, 42119 Wuppertal, Germany — [13]University of Aarhus, Department of Physics and Astronomy, Ny Munkegade, Bld. 1520, DK-8000 Aarhus C., Denmark — [14]University of Applied Sciences (FH) Fulda, Marquardtstr. 35, 36039 Fulda, Germany — [15]Lawrence Berkeley National Laboratory, Institute for Nuclear & Particle Astrophysics, Mail Stop 50R5008, 1 Cyclotron Road, Berkeley, CA 94720, USA — [16]Universidad Complutense de Madrid, Instituto Pluridisciplinar, Paseo Juan XXIII n°1, 28040 Madrid, Spain

Koll 30: LIGHT-Kollaboration

Dennis Schumacher[1], Diana Jahn[2], Johannes Ding[2], Christian Brabetz[1], Abel Blazevic[1,4], Vincent Bagnoud[1,4], Simon Weih[2], Florian Kroll[3], Ulrich Schramm[3], Tom Cowan[3], Gerald Schreiber[1], Oliver Boine-Frankenheim[2] und Markus Roth[2] — [1]GSI Helmholtzzentrum für Schwerionenforschung — [2]TU Darmstadt — [3]Helmholtzzentrum Dresden Rossendorf — [4]Helmholtzinstitiut Jena

Koll 31: LNL 11.22-Kollaboration

D. Bazzacco[5], B. Birkenbach[1], M. Bowry[6], A. Bracco[7], B. Bruyneel[8], F.C.L Crespi[7], L. Corradi[2], G. de Angelis[2], P. Désesquelles[9], J. Eberth[1], E. Farnea[5], E. Fioretto[2], A. Gadea[10], K. Geibel[1], A. Gengelbach[11], A. Giaz[7], A. Görgen[12,13], A. Gottardo[2], J. Grebosz[14], H. Hess[1], P.R. John[4,5], J. Jolie[1], D.S. Judson[15], A. Jungclaus[16], W. Korten[13], S. Leoni[7], S. Lunardi[4,5], R. Menegazzo[5], D. Mengoni[17,4,5], C. Michelagnoli[23,4,5], T. Mijatovic[3], G. Montagnoli[4,5], D. Montanari[22,4,5], D. Napoli[2], L. Pellegri[7], G. Pollarolo[18], A. Pullia[7], B. Quintana[19], F. Radeck[1], F. Recchia[4,5], P. Reiter[1], D. Rosso[2], E. Sahin[12,2], M.D. Salsac[13], F. Scarlassara[4,5], P.-A. Söderström[24,20], A.M. Stefanini[2], T. Steinbach[1], O. Stezowski[21], S. Szilner[3], B. Szpak[14], Ch. Theisen[13], C. Ur[5], J.J. Valiente-Dobòn[2], V. Vandone[7], A. Vogt[1] und A. Wiens[1] — [1]Institut für Kernphysik, Universität zu Köln, 50937 Köln, Germany — [2]Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Legnaro, I-35020 Legnaro, Italy — [3]Ruder Boskovic Institute, HR-10 002 Zagreb, Croatia — [4]Dipartimento di Fisica e Astronomia, Università di Padova, I-35131 Padova, Italy — [5]Istituto Nazionale di Fisica Nucleare, Sezione di Padova, I-35131 Padova, Italy — [6]Department of Physics, University of Surrey, Guildford, Surrey GU2 7XH, Uni-

ted Kingdom — [7]Dipartimento di Fisica, Università di Milano and INFN Sezione di Milano, I-20133 Milano, Italy — [8]CEA Saclay, Service de Physique Nucleaire, F-91191 Gif-sur-Yvette, France — [9]Centre de Spectrométrie Nucléaire et de Spectrométrie de Masse – CSNSM, CNRS/IN2P3 and Univ. Paris-Sud, F-91405 Orsay Campus, France — [10]Instituto de Fisica Corpuscular, CSIC-Universidad de Valencia, E-46071 Valencia, Spain — [11]Department of Physics and Astronomy, Uppsala University, SE-75121 Uppsala, Sweden — [12]Department of Physics, University of Oslo, P.O. Box 1048 Blindern, N-0316 Oslo, Norway. — [13]Institut de Recherche sur les lois Fondamentales de l'Univers – IRFU, CEA/DSM, Centre CEA de Saclay, F-91191 Gif-sur-Yvette Cedex, France — [14]Henryk Niewodniczanski Institute of Nuclear Physics PAN, PL-31342 Krakow, Poland — [15]Oliver Lodge Laboratory, The University of Liverpool, Liverpool, L69 7ZE, UK — [16]Instituto de Estructura de la Materia, CSIC, Madrid, E-28006 Madrid, Spain — [17]Nuclear Physics Research Group, University of the West of Scotland, High Street, Paisley, PA1 2BE, Scotland, UK — [18]Dipartimento di Fisica Teorica dell'Università di Torino and INFN, I-10125 Torino, Italy — [19]Laboratorio de Radiaciones Ionizantes, Universidad de Salamanca, E-37008 Salamanca, Spain — [20]Department of Physics and Astronomy, Uppsala University, SE-75120 Uppsala, Sweden — [21]Université de Lyon, Université Lyon-1, CNRS/IN2P3, UMR5822, IPNL, F-69622 Villeurbanne Cedex, France — [22]USIAS - Université de Strasbourg, IPHC-CNRS, F-67037 Strasbourg Cedex 2, France. — [23]GANIL, CEA/DSM-CNRS/IN2P3, F-14076, Caen, France. — [24]RIKEN Nishina Center, Wako, 351-0198 Saitama, Japan.

Koll 32: LUNA-Kollaboration
Marialuisa Aliotta[11], Daniel Bemmerer[1], Andreas Best[6], Axel Boeltzig[6], Carlo Broggini[2], Carlo Bruno[11], Antonio Caciolli[2], Francesca Cavanna[4], Giovanni Ciani[13], Pietro Corvisiero[4], Tom Davinson[11], Rosanna Depalo[2,1], G D'Erasmo[13], Antonino di Leva[8], Zoltan Elekes[5], Federico Ferraro[4], E Fiore[13], Alba Formicola[6], Zsolt Fülöp[5], Giampiero Gervino[7], Alessandra Guglielmetti[3], Carlo Gustavino[12], György Gyürky[5], Gianluca Imbriani[8], Matthias Junker[6], Roberto Menegazzo[2], Viviamna Mossa[13], Francesca Pantaleo[13], Vincenzo Paticchio[13], R Perrino[13], Paolo Prati[4], Vincenzo Roca[8], L Schiavulli[13], David Scott[11], Endre Somorjai[5], Oscar Straniero[10], Frank Strieder[9], Tamás Szücs[1], Marcell Takács[1], Davide Trezzi[3] und A Valentini[13] — [1]Helmholtz-Zentrum Dresden-Rossendorf (HZDR), 01328 Dresden, Germany — [2]Istituto Nazionale di Fisica Nucleare (INFN), Sezione di Padova, Padova, Italy — [3]Università di Milano and INFN Sezione di Milano, Italy — [4]Università di Genova and INFN Sezione di Genova, Italy — [5]Institute for Nuclear Research, Hungarian Academy of Sciences (MTA Atomki), Debrecen, Hungary — [6]INFN, Laboratori Nazionali del Gran Sasso (LNGS), Assergi, Italy — [7]Università di Torino and INFN Sezione di Torino, Torino, Italy — [8]Università di Napoli "Federico II", and INFN Sezione di Napoli, Napoli, Italy — [9]Institut für Experimentalphysik III, Ruhr-Universität Bochum, Bochum, Germany — [10]Osservatorio Astronomico di Collurania, Teramo, and INFN Sezione di Napoli, Napoli, Italy — [11]University of Edinburgh, United Kingdom — [12]INFN, Sezione di Roma 1, Roma, Italy — [13]Università di Bari and INFN Sezione di Bari, Italy

Koll 33: Magix/MESA-Kollaboration
Sabato Stefano Caiazza — Institut für Kernphysik - JGU, Mainz, Deutschland

Koll 34: MIXed-Kollaboration
Fabian Allmendinger[2], Olivier Grasdijk[3], Werner Heil[1], Klaus Jungmann[3], Sergej Karpuk[1], Hans-Joachim Krause[4], Andreas Offenhäusser[4], Maricel Repetto[1], Ulrich Schmidt[2], Yuri Sobolev[1], Lorenz Willmann[3] und Stefan Zimmer[1] — [1]Institut für Physik, Universität Mainz — [2]Physikalisches Institut, Universität Heidelberg — [3]University of Groningen, Niederlande — [4]Peter Grünberg Institut, Forschungszentrum Jülich

Koll 35: P2-Kollaboration
Kurt Aulenbacher[1], Sebastian Baunack[1], Niklaus Berger[1], Razvan Bucoveanu[2], Michael Gericke[3], Kathrin Gerz[1], Ruth Herbertz[1], Krishna Kumar[4], Frank Maas[1,5], Matthias Molitor[1], David Rodriguez Pineiro[1,5], Iurii Sorokin[1], Paul Souder[6], Hubert Spiesberger[1,3], Alexey Tyukin[1], Valerie Tyukin[1], Stephan Wezorke[2] und Marco Zimmermann[1] — [1]PRISMA Cluster of Excellence und Institut für Kernphysik, Johannes Gutenberg-Universität Mainz — [2]PRISMA Cluster of Excellence und Institut für Physik, Johannes Gutenberg-Universität Mainz — [3]University of Manitoba, Winnipeg, MB R3T 2N2, Canada — [4]Stony Brook University, Stony Brook, NY, USA — [5]Helmholtz-Institut Mainz — [6]Syracuse University, Syracuse, NY, USA

Koll 36: PANDA-Kollaboration
Tomasz Fiutowski[1], Marek Idzik[1], Bartosz Mindur[1], Dominik Przyborowski[1], Krzysztof Swientek[1], Bhanuprakash Singh[2], P.N. Deepak[3], Arun Kulkarni[3], Mikhail Barnyakov[4], Alexander Yu. Barnyakov[4], Konstantin Beloborodov[4], Alexander E. Blinov[4], Vladimir E. Blinov[4], Viktor S. Bobrovnikov[4], Sergey Kononov[4], Evgeniy A. Kravchenko[4], Ivan A. Kuyanov[4], Karina Martin[4], Alexei P. Onuchin[4], Sergey Serednyakov[4], Andrei Sokolov[4], Yury Tikhonov[4], Songlin Li[5], Zhankui Li[5], Zhiyu Sun[5], Hushan Xu[5], Gianluigi Boca[6], Susanna Costanza[6], Pablo Genova[6], Paolo Montagna[6], Alberto Rotondi[6], Helmut Sohlbach[7], Ingo Augustin[8], Ralph Böhm[8], Inti Lehmann[8], Diana Nicmorus Marinescu[8], Lars Schmitt[8], Victor Varentsov[8], Mei Bai[9], Ludovico Bianchi[9], Markus Büscher[9], Lu Cao[9], Artur Cebulla[9], Dariusch Deermann[9], Rene Dosdall[9], Simone Esch[9], Albrecht Gillitzer[9], André Goerres[9], Frank Goldenbaum[9], Dirk Grunwald[9], Andreas Herten[9], Qiang Hu[9], Günter Kemmerling[9], Harald Kleines[9], Andreas Lehrach[9], Rudolf Maier[9], Robert Nellen[9], Haroutioun Ohannessian[9], Henner Ohm[9], Sergey Orfanitski[9], Dieter Prasuhn[9], Elisabetta Prencipe[9], Jennifer Pütz[9], James Ritman[9], Susan Schadmand[9], Jette Schumann[9], Thomas Sefzick[9], Valeriy Serdyuk[9], Günter Sterzenbach[9], Tobias Stockmanns[9], Peter Wintz[9], Peter Wüstner[9], Huagen Xu[9], Elizaveta Iakovleva[10], Ivan Kisel[10], Grigory Kozlov[10], Igor Kulakov[10], Mykhailo Pugach[10], Merlin Böhm[11], Alexander Britting[11], Wolfgang Eyrich[11], Albert Lehmann[11], Fred Uhlig[11], Kamal Dutta[12], Kushal Kalita[12], Valentina Akishina[13], Mohammad Al-Turany[14], Rahul Arora[14], Anastasios Belias[14], Harald Deppe[14], Roman Dzhygadlo[14], André Ehret[14], Holger Flemming[14], Andreas Gerhardt[14], Klaus Götzen[14], Andrii Gromliuk[14], Lukas Gruber[14], Grzegorz Kalicy[14], Radoslaw Karabowicz[14], Ralf Kliemt[14], Marvin Krebs[14], Jochen Kunkel[14], Udo Kurilla[14], Dorothee Lehmann[14], Sven Löchner[14], Jost Lühning[14], Uli Lynen[14], Herbert Orth[14], Maria Patsyuk[14], Klaus Peters[14], Nami Saito[14], Takehiko Saito[14], Georg Schepers[14], Christian Joachim Schmidt[14], Carsten Schwarz[14], Joachim Schwiening[14], Alexander Täschner[14], Michael Traxler[14], Cahit Ugur[14], Bernd Voss[14], Peter Wieczorek[14], Andrea Wilms[14], Marko Zühlsdorf[14], Maksym Zyzak[14], Heybat Ahmadi[15], Samer Ahmed[15], Sebastian Bleser[15], Luigi Capozza[15], Matteo Cardinali[15], Alaa Dbeyssi[15], Malte Deiseroth[15], Florian Feldbauer[15], Miriam Fritsch[15], Bertold Fröhlich[15], Prometeusz Jasinski[15], Donghee Kang[15], Dmitry Khaneft[15], Roman Klasen[15], Hans Heinrich Leithoff[15], Dexu Lin[15], Frank Maas[15], Stephan Maldaner[15], Martinezrojo Marta[15], Mathias Michel[15], María Carmen Mora Espí[15], Cristina Morales Morales[15], Christof Motzko[15], Frank Nerling[15], Oliver Noll[15], Stefan Pflüger[15], Andreas Pitka[15], David Rodríguez Piñeiro[15], Alicia Sanchez-Lorente[15], Marcell Steinen[15], Roserio Valente[15], Tobias Weber[15], Manuel Zambrana[15], Iris Zimmermann[15], Malgorzata Kistryn[16], Krzysztof Korcyl[16], Adam Kozela[16], Pawel Kulessa[16], Piotr Lebiedowicz[16], Krzysztof Pysz[16], Wolfgang Schäfer[16], Antoni Szczurek[16], Dan Kaplan[17], Sadhana Dash[18], Manoj Jadhav[18], Shyam Kumar[18], P. Sarin[18], Raghava Varma[18], Ajay Kumar[19], Ankhi Roy[19], Raghunath Sahoo[19], Paola Gianotti[20], Carlo Guaraldo[20], Vincenzo Lucherini[20], Valentino Rigato[21], Andrea Bersani[22], Giangelo Bracco[22], Mario Macri[22], Renzo F. Parodi[22], Daniela Calvo[23], Silvia Coli[23], Paolo De Remigis[23], Alessandra Filippi[23], Giuseppe Giraudo[23], Stefano Lusso[23], Giovanni Mazza[23], Marco Mignone[23], Angelo Rivetti[23], Richard Wheadon[23], Laura Zotti[23], Ermias Atomssa[24], Thierry Hennino[24], Ronald Kunne[24], Binsong Ma[24], Dominique Marchand[24], Saro Ong[24], Beatrice Ramstein[24], Jacques van de Wiele[24], Ying Wang[24], Victor Abramov[25], Nikolay Belikov[25], Sofia Bukreeva[25], Andrey Davidenko[25], Anatoly Derevschikov[25], Yury Goncharenko[25], Vyacheslav Grishin[25], Vasily Kachanov[25], Vladimir Kormilitsin[25], Andrei Levin[25], Yury Melnik[25], Nikolay Minaev[25], Vasily Mochalov[25], Dmitry Morozov[25], Larisa Nogach[25], Stanislav Poslavskiy[25], An-

drey Ryazantsev[25], Sergey Ryzhikov[25], Pavel Semenov[25], Igor Shein[25], Andrey Uzunian[25], Alexander Vasiliev[25], Alexander Yakutin[25], Vladimir Balanutsa[26], Pavel Balanutsa[26], Viacheslav Chernetsky[26], Alexey Demekhin[26], Anatoly Dolgolenko[26], Pavel Fedorets[26], Alexander Gerasimov[26], Vladimir Goryachev[26], Beijiang Liu[27], Huaimin Liu[27], Zhenan Liu[27], Xiaoyan Shen[27], Chunjie Wang[27], Jingzhou Zhao[27], Mario Bragadireanu[28], Mihai Caprini[28], Dan Pantea[28], Dorel Pietreanu[28], Matei-Eugene Vasile[28], Jacek Biernat[29], Sedigheh Jowzaee[29], Boguslaw Kamys[29], Stanislaw Kistryn[29], Grzegorz Korcyl[29], Wojciech Krzemien[29], Andrzej Magiera[29], Pawel Moskal[29], Marek Palka[29], Andrzej Pyszniak[29], Zbigniew Rudy[29], Piotr Salabura[29], Jerzy Smyrski[29], Pawel Strzempek[29], Aleksandra Wronska[29], Egle Tomasi-Gustafsson[30], Patrick Achenbach[31], Oliver Corell[31], Achim Denig[31], Michael Distler[31], Matthias Hoek[31], Anastasia Karavdina[31], Werner Lauth[31], Zhiqing Liu[31], Harald Merkel[31], Ulrich Müller[31], Josef Pochodzalla[31], Salvador Sanchez[31], Soeren Schlimme[31], Concettina Sfienti[31], Michaela Thiel[31], Simone Bianco[32], Klim Biguenko[32], Daniel Bremer[32], Kai-Thomas Brinkmann[32], Valentino Di Pietro[32], Stefan Diehl[32], Valery Dormenev[32], Peter Drexler[32], Michael Düren[32], Tobias Eissner[32], Erik Etzelmüller[32], Klaus Föhl[32], Martin Galuska[32], Eric Gutz[32], Christopher Hahn[32], Avetik Hayrapetyan[32], Martin Kesselkaul[32], Wolfgang Kühn[32], Till Kuske[32], Jens Sören Lange[32], Yutie Liang[32], Oliver Merle[32], Volker Metag[32], Daniel Mühlheim[32], Mariana Nanova[32], Svetlana Nazarenko[32], Rainer Novotny[32], Tommaso Quagli[32], Simon Reiter[32], Julian Rieke[32], Christoph Rosenbaum[32], Mustafa Schmidt[32], Robert Schnell[32], Hasko Stenzel[32], Ulrich Thöring[32], Thomas Ullrich[32], Milan Nicolas Wagner[32], Thomas Wasem[32], Benjamin Wohlfahrt[32], Hans-Georg Zaunick[32], Torbjörn Bäck[33], Bo Cederwall[33], Alexandros Apostolou[34], Mohammad Babai[34], Myroslav Kavatsyuk[34], Peter J. J. Lemmens[34], Michel Lindemulder[34], Herbert Loehner[34], Johan Messchendorp[34], Peter Schakel[34], Henk Smit[34], Marcel Tiemens[34], Jacco C. van der Weele[34], Rick Veenstra[34], Solmaz Vejdani[34], Kevin Fissum[35], Kurt Hansen[35], Lennart Isaksson[35], Magnus Lundin[35], Bent Schröder[35], Alexander Boukharov[36], Oleg Malyshev[36], Ivan Marishev[36], Arkadiusz Chlopik[37], Grazina Kesik[37], Dmytro Melnychuk[37], Bronislaw Slowinski[37], Andrzej Trzcinski[37], Marcin Wojciechowski[37], Slawomir Wronka[37], Boguslav Zwieglinski[37], Stanislav Belostotski[38], Gennadiy Gavrilov[38], Antoni Izotov[38], Sergey Manaenkov[38], Oleg Miklukho[38], Denis Veretennikov[38], Andrey Zhdanov[38], Sean Dobbs[39], Kam Seth[39], Amiran Tomaradze[39], Ting Xiao[39], Vinay Chandratre[40], Vivek Datar[40], Dipanwita Dutta[40], Vishwajeet Jha[40], Harphool Kumawat[40], A.K. Mohanty[40], Arpit Parmar[40], Bidyut Roy[40], Stefan Brunner[41], Paul Bühler[41], Johann Marton[41], Dominik Steinschaden[41], Ken Suzuki[41], Eberhard Widmann[41], Johann Zmeskal[41], Bhavin Patel[42], Anatoli Kashchuk[43], Olga Levitskaya[43], Yuriy Naryshkin[43], Kirill Suvorov[43], Francesca Balestra[44], Felice Iazzi[44], Riccardo Introzzi[44], Andrea Lavagno[44], Jonathan Olave[44], Hannan Younis[44], Andrei Fedorov[45], Mikhail Korjik[45], Oleg Missevitch[45], Markus Ball[46], Reinhard Beck[46], Christian Hammann[46], David Kaiser[46], Bernhard Ketzer[46], Matthias Kube[46], Philipp Mahlberg[46], Merlin Rossbach[46], Christoph Schmidt[46], Roman Schmitz[46], Ulrike Thoma[46], Martin Urban[46], Dieter Walther[46], Christoph Wendel[46], Andrew Wilson[46], Thomas Würschig[46], Vinodkumar Pothodi Chackara[47], Ajay Kumar Rai[48], Utpal Roy[49], Karoly Makonyi[50], Markus Preston[50], Per-Erik Tegner[50], Klas Marcks von Würtemberg[50], Dirk Wölbing[50], Khanchai Khosonthongkee[51], Chinorat Kobdaj[51], Ayut Limphirat[51], Pornrad Srisawad[51], Yupeng Yan[51], Igor Konorov[52], Stephan Paul[52], Björn Galnander[53], Andrea Bianconi[54], Diego Bettoni[55], Vittore Carassiti[55], Angelo Cotta Ramusino[55], Pietro Dalpiaz[55], Alessandro Drago[55], Elisa Fioravanti[55], Isabella Garzia[55], Mauro Savrie[55], Giulio Stancari[55], Antonio Amoroso[56], Maria Pia Bussa[56], Luigi Busso[56], Francesca De Mori[56], Marco Destefanis[56], Luciano Fava[56], Livio Ferrero[56], Michela Greco[56], Jifeng Hu[56], Lia Lavezzi[56], Marco Maggiora[56], Giovanni Maniscalco[56], Simonetta Marcello[56], Stefano Sosio[56], Stefano Spataro[56], Renato Birsa[57], Franco Bradamante[57], Andrea Bressan[57], Anna Martin[57], Werner Erni[58], Irakli Keshelashvili[58], Bernd Krusche[58], Michael Steinacher[58], Natalie Walford[58], Malte Albrecht[59], Markus Backwinkel[59], Thorsten Erlen[59], Mario Fink[59], Fritz-Herbert Heinsius[59], Thomas Held[59], Tobias Holtmann[59], Sven Jasper[59], Iman Keshk[59], Helmut Koch[59], Bertram Kopf[59], Gerit Kuhl[59], Markus Kuhlmann[59], Miriam Kümmel[59], Stephan Leiber[59], Michael Leyhe[59], Maxim Mikirtychyants[59], Patrick Musiol[59], Arber Mustafa[59], Marc Pelizäus[59], Julian Pychy[59], Marvin Richter[59], Claudius Schnier[59], Torsten Schröder[59], Cathrina Sowa[59], Matthias Steinke[59], Tobias Triffterer[59], Ulrich Wiedner[59], Jose Diaz[60], Heinz Clement[61], Derek Branford[62], Derek Glazier[62], Daniel Watts[62], Phil Woods[62], David Ireland[63], Günther Rosner[63], Bjoern Seitz[63], Bruce Yabsley[64], Pawel Brandys[65], Wojciech Czyzycki[65], Mariusz Domagala[65], Grzegorz Filo[65], Micha Hawryluk[65], Jerzy Jaworowski[65], Mariusz Krawczyk[65], Dominik Kwiatkowski[65], Edward Lisowski[65], Filip Lisowski[65], Mateusz Michałek[65], Piotr Poznański[65], Joanna Płazek[65], Li Caldeira Balkestahl[66], Hans Calen[66], Kjell Fransson[66], Walter Ikegami Andersson[66], Tord Johansson[66], Andrzej Kupsc[66], Pawel Marciniewski[66], Michael Papenbrock[66], Joachim Pettersson[66], Karin Schönning[66], Magnus Wolke[66], Jozef Zlomanczuk[66], Subodh Godre[67], Viktor Abazov[68], Gennady Alexeev[68], Valentin A. Arefiev[68], Valery Astakhov[68], Mikail Yu. Barabanov[68], Boris V. Batyunya[68], Yuri Davydov[68], Valery Kh. Dodokhov[68], Alexander Efremov[68], Alexander Fechtchenko[68], Anatoly G. Fedunov[68], Aida Galoyan[68], Smbat Grigoryan[68], Evgeny K. Koshurnikov[68], Yuri Yu. Lobanov[68], Viktor I. Lobanov[68], Alexander F. Makarov[68], Lyudmila V. Malinina[68], Vladimir Malyshev[68], Alexander G. Olshevskiy[68], Ekaterina Perevalova[68], Alexey A. Piskun[68], Timur Pocheptsov[68], Gil Pontecorvo[68], Valery Rodionov[68], Yury Rogov[68], Roman Salmin[68], Alexander Samartsev[68], Mikhail G. Sapozhnikov[68], Galina Shabratova[68], Nikolai B. Skachkov[68], Anna N. Skachkova[68], Evgeny A. Strokovsky[68], Mais Suleimanov[68], Ruslan Teshev[68], Valery Tokmenin[68], Vladimir Uzhinsky[68], Alexandre Vodopianov[68], Sergey A. Zaporozhets[68], Nikolai I. Zhuravlev[68], Andrei G. Zorin[68], Silke Grieser[69], Ann-Katrin Hergemöller[69], Benjamin Hetz[69], Alfons Khoukaz[69] und Johannes P. Wessels[69] — [1]AGH, University of Science and Technology, **Cracow**, Poland — [2]Aligarth Muslim University, Physics Department, **Aligarth**, India — [3]Birla Institute of Technology and Science - Pilani , K.K. Birla Goa Campus, **Goa**, India — [4]Budker Institute of Nuclear Physics, **Novosibirsk**, Russia — [5]Chinese Academy of Science, Institute of Modern Physics, **Lanzhou**, China — [6]Dipartimento di Fisica, Università di Pavia, INFN Sezione di Pavia, **Pavia**, Italy — [7]Fachhochschule Südwestfalen, **Iserlohn**, Germany — [8]FAIR, Facility for Antiproton and Ion Research in Europe, **Darmstadt**, Germany — [9]Forschungszentrum Jülich, Institut für Kernphysik, **Jülich**, Germany — [10]Frankfurt Institute for Advanced Studies, **Frankfurt**, Germany — [11]Friedrich Alexander Universität Erlangen-Nürnberg, **Erlangen**, Germany — [12]Gauhati University, Physics Department, **Guwahati**, India — [13]Goethe Universität, Institut für Kernphysik, **Frankfurt**, Germany — [14]GSI Helmholtzzentrum für Schwerionenforschung GmbH, **Darmstadt**, Germany — [15]Helmholtz-Institut Mainz, **Mainz**, Germany — [16]IFJ, Institute of Nuclear Physics PAN, **Cracow**, Poland — [17]IIT, Illinois Institute of Technology, **Chicago**, U.S.A. — [18]Indian Institute of Technology Bombay, Department of Physics, **Mumbai**, India — [19]Indian Institute of Technology Indore, School of Science, **Indore**, India — [20]INFN Laboratori Nazionali di Frascati, **Frascati**, Italy — [21]INFN Laboratori Nazionali di Legnaro, **Legnaro**, Italy — [22]INFN Sezione di Genova, **Genova**, Italy — [23]INFN Sezione di Torino, **Torino**, Italy — [24]Institut de Physique Nucléaire dzOrsay (UMR8608), CNRS/IN2P3 and Université Paris-sud, **Orsay**, France — [25]Institute for High Energy Physics, **Protvino**, Russia — [26]Institute for Theoretical and Experimental Physics, **Moscow**, Russia — [27]Institute of High Energy Physics, Chinese Academy of Sciences, **Beijing**, China — [28]Institutul National de C&D pentru Fizica si Inginerie Nucleara "Horia Hulubei", **Bukarest-Magurele**, Romania — [29]Instytut Fizyki, Uniwersytet Jagiellonski, **Cracow**, Poland — [30]IRFU,SPHN, CEA Saclay, **Saclay**, France — [31]Johannes Gutenberg-Universität, Institut für Kernphysik, **Mainz**, Germany — [32]Justus Liebig-Universität Gießen II. Physikalisches Institut, **Gießen**, Germany — [33]Kungliga Tekniska Högskolan, **Stockholm**, Sweden — [34]KVI-Center for Advanced Radiation Technology (CART), University of Groningen, **Groningen**, Netherlands — [35]Lunds Universitet, Department of

Physics, **Lund**, Sweden — [36]Moscow Power Engineering Institute, **Moscow**, Russia — [37]National Centre for Nuclear Research, **Warsaw**, Poland — [38]National Research Centre "Kurchatov Institute"B.P.KONSTANTINOV PETERSBURG NUCLEAR PHYSICS INSTITUTE, Gatchina, **St. Petersburg**, Russia — [39]Northwestern University, **Evanston**, U.S.A. — [40]Nuclear Physics Division, Bhabha Atomic Research Centre, **Mumbai**, India — [41]Österreichische Akademie der Wissenschaften, Stefan Meyer Institut für Subatomare Physik, **Wien**, Austria — [42]P.D. Patel Institute of Applied Science, Department of Physical Sciences, **Changa**, India — [43]Petersburg Nuclear Physics Institute of Russian Academy of Science, Gatchina, **St. Petersburg**, Russia — [44]Politecnico di Torino and INFN Sezione di Torino, **Torino**, Italy — [45]Research Institute for Nuclear Problems, Belarus State University, **Minsk**, Belarus — [46]Rheinische Friedrich-Wilhelms-Universität Bonn, **Bonn**, Germany — [47]Sardar Patel University, Physics Department, **Vallabh Vidynagar**, India — [48]Sardar Vallabhbhai National Institute of Technology, Applied Physics Department, **Surat**, India — [49]Sikaha-Bhavana, Visva-Bharati, WB, **Santiniketan**, India — [50]Stockholms Universitet, **Stockholm**, Sweden — [51]Suranaree University of Technology, **Nakhon Ratchasima**, Thailand — [52]Technische Universität München, **München**, Germany — [53]The Svedberg Laboratory, **Uppsala**, Sweden — [54]Università di Brescia, **Brescia**, Italy — [55]Università di Ferrara and INFN Sezione di Ferrara, **Ferrara**, Italy — [56]Università di Torino and INFN Sezione di Torino, **Torino**, Italy — [57]Università di Trieste and INFN Sezione di Trieste, **Trieste**, Italy — [58]Universität Basel, **Basel**, Switzerland — [59]Universität Bochum, Institut für Experimentalphysik I, **Bochum**, Germany — [60]Universitat de Valencia Dpto. de Física Atómica, Molecular y Nuclear, **Valencia**, Spain — [61]Universität Tübingen, **Tübingen**, Germany — [62]University of Edinburgh, **Edinburgh**, United Kingdom — [63]University of Glasgow, **Glasgow**, United Kingdom — [64]University of Sidney, School of Physics, **Sidney**, Australia — [65]University of Technology, Institute of Applied Informatics, **Cracow**, Poland — [66]Uppsala Universitet, Institutionen för fysik och astronomi, **Uppsala**, Sweden — [67]Veer Narmad South Gujarat University, Department of Physics, **Surat**, India — [68]Veksler-Baldin Laboratory of High Energies (VBLHE), Joint Institute for Nuclear Research, **Dubna**, Russia — [69]Westfälische Wilhelms-Universität Münster, **Münster**, Germany

Koll 37: PERC-Kollaboration

Hartmut Abele[1], Marcus Beck[2], Dirk Dubbers[3], Harald Fillunger[1], Werner Heil[2], Erwin Jericha[1], Jens Klenke[4], Michael Klopf[1], Gertrud Konrad[1,5], Thorsten Lauer[6], Wilfried Mach[1], Bastian Märkisch[6], Reinhard Maix[6], Lukas Raffelt[3,6], Natalyia Rebrova[3], Christoph Roick[6], Heiko Saul[1], Ulrich Schmidt[3], Torsten Soldner[7], Camille Theroine[6], Xiangzun Wang[1], Romain Virot[7], Carmen Ziener[3] und Oliver Zimmer[7] — [1]Atominstitut, Technische Universität Wien — [2]Universität Mainz — [3]Physikalisches Institut, Universität Heidelberg — [4]Forschungs-Neutronenquelle Heinz Maier-Leibniz (FRM II) — [5]Stefan Meyer Institut, ÖAW, Wien — [6]Physik-Department, Technische Universität München — [7]Institut Laue-Langevin

Koll 38: R3B-Kollaboration

Mohammad Al-Turany[1,2], Georgy Alkhazov[3], Hector Alvarez-Pol[4], Leyla Atar[5], Laurent Audouin[6,7], Thomas Aumann[5,1], Vladimir Avdeichikov[8], James Bailey[1], Dmitri Balin[3], Zoran Basrak[9], Leonid Batist[3], Clemens Beinrucker[10], Thomas Bel[1], Gilbert Belier[11], Daniel Bemmerer[12], Michael Bendel[13], Jose Benlliure[4], Carlos Bertulani[14], Andrey Bezbakh[15], Konstanze Boretzky[1], María José Borge[16], Marcello Borri[17], Pablo Cabanelas Eiras[4], Christoph Caesar[1], Enrique Casarejos[18], Wilton Catford[19], Joakim Cederkall[8], Marielle Chartier[20], Audrey Chatillon[11], Madalin Cherciu[21], Leonid Chulkov[22], Anna Corsi[23], Dolores Cortina-Gil[4], Thomas Cowan[12,24], Raquel Crespo[25], Thomas Davinson[26], Arnoldas Deltuva[27], Gregor Dentinger[5], Alexander Dobrovolsky[3], Christiaan Douma[28], Marc Duchêne[5], Paloma Díaz Fernández[29], Peter Egelhof[1], Asmaa El Mosleh[1], Zoltan Elekes[30], Joachim Enders[5], Anne Endres[10], Philipp Erbacher[10], Alfredo Estrade[26], Claes Fahlander[8], Fabio Farinon[1], Guillermo Fernández Martínez[5], Andrey Fetisov[3], Andrey Fomichev[15], Luis Fraile[31], Martin Freer[32], Daniel Galaviz Redondo[33], Eduardo Garrido[16], Alejandro Garzon Camacho[16], Igor Gasparic[9], Gennadii Gavrilov[3], Hans Geissel[1], Petrov Gennady[3], Jürgen Gerl[1], Roman Gernhäuser[13], Alain Gillibert[23], Jan Glorius[10], Mikhail Golovkov[15], Victor Golovtsov[3], Pavel Golubev[8], Thomas Gorbinet[6], Alexander Gorshkov[15], Alan Grant[17], Nikolay Gruzinsky[3], Kathrin Göbel[10], Maria Haiduc[21], Muhsin Harakeh[28], Anna-Lena Hartig[5], Tanja Heftrich[10], Michael Heil[1], Sebastian Heil[5], Marcel Heine[5], Andreas Heinz[29], Benjamin Heiss[13], Andreas Hennig[34], Corinna Henrich[5], Ana Henriques[33], Fabian Himburg[1], Matthias Holl[5], Ilja Homm[5], Andrea Horvat[5], Ákos Horváth[35], Alexander Hufnagel[5], Alexander Ignatov[5], Stoyanka Ilieva[5], Alexander Inglessi[3], Johann Isaak[36], Jacob Johansen[5], Håkan Johansson[29], Björn Jonson[29], Julian Kahlbow[5], Nasser Kalantar-Nayestanaki[28], Rituparna Kanungo[37], Aleksandra Kelic-Heil[1], Alexey Khanzadeev[3], Oleg Kiselev[1], Robert Kissel[5], Philipp Klenze[13], Moschos Kogimtzis[17], Ann-Kathrin Kopp[1], Guerman Korolev[3], Alexey Korsheninnikov[22], Wolfram Korten[23], Nikolai Kozlenko[3], Attila Krasznahorkay[30], Dmytro Kresan[1], Anatoly Krivshich[3], Sergey Krupko[15], Thorsten Kröll[5], Nikolaus Kurz[1], Evgeny Kuzmin[22], Viacheslav Kuznetsov[3], Daniel Körper[1], Marc Labiche[17], Christoph Langer[10,1], Benoit Laurent[11], Ian Lazarus[17], Arnaud Le Fèvre[1], Claudia Lederer[26], Christopher Lehr[5], Roy Lemmon[17], Alinka Lepine-Szily[38], Simon Lindberg[29], Scott Lindsay[20], Yuri Litvinov[1], Bastian Löher[5,1], Evgeny Maev[3], Dmitrii Maisuzenko[3], Irene Marroquín Alonso[16], Michael Mathy[5], Jan Mayer[34], Kenjiro Miki[5], Hossein Moeini[28], Alina Movsesyan[5], Dennis Mücher[13], Enrique Nacher[16], Mohammad Ali Najafi[28], Lars Netterdon[34], Evgenii Nikolskii[22], Thomas Nilsson[29], Chiara Nociforo[1], Göran Nyman[29], Alexandre Obertelli[23], Evgeny Orishchin[3], Valerii Panin[5], Stefanos Paschalis[5], Alberto Pelizza[29], Angel Perea[16], Marina Petri[5], Frederic Pfeil[1], Simon Pickstone[34], Benjamin Pietras[4], Stephane Pietri[1], Ralf Plag[1], Moritz Pohl[10], Emauel Pollacco[23], Petru-Mihai Potlog[21], William Powell[20], Victor Pucknell[17], Sebastian Reichert[13], Rene Reifarth[10], Tobias Reinhardt[24], Stefan Reinicke[12], Patrick Remmels[13], Han-Bum Rhee[5], Guillermo Ribeiro[16], Catherine Rigollet[28], Florian Roether[1], Dominic Rossi[5,1], Marko Röder[12,24], Clementine Santamaria[39], Victor Sarantsev[3], Deniz Savran[36], Heiko Scheit[5], Fabia Schindler[5], Philipp Schrock[5,1], Philipp Schüssler[1], Joel Silva[36], Haik Simon[1], Johannes Simon[5], Kerstin Sonnabend[10], Olivier Sorlin[40], Emil Stan[21], Sonja Storck[5], Dmytro Symochko[5], Ina Syndikus[5], Julien Taieb[11], Laurent Tassan-Got[6], Olof Tengblad[16], Pamela Teubig[33], Ronja Thies[29], Jim Thornhill[20], Wolfgang Trautmann[1], Joachim Tscheuschner[5], Hans Törnqvist[5], Lev Uvarov[3], Marine Vandebrouck[40], Matjaz Vencelj[41], Vladimir Vikhrov[3], Sergei Volkov[3], Vasily Volkov[22], Andreas Wagner[12], Vadim Wagner[5], Felix Wamers[1], Christian Warneke[1], David Wells[20], Philip Wicke[1], Andrea Wilms[1], John Winfield[1], Max Winkel[13], Phil Woods[26], Yiman Yan[6], Juan Carlos Zamora Cardona[5], Andrey Zhdanov[3], Andreas Zilges[34], Kai Zuber[24] und Mirko von Schmid[5] — [1]GSI Darmstadt, Darmstadt, Germany — [2]CERN, Geneva, Switzerland — [3]PNPI, Gatchina, Russia — [4]University of Santiago de Compostela, Santiago de Compostela, Spain — [5]TU Darmstadt, Darmstadt, Germany — [6]IPN Orsay, Orsay, France — [7]Université Paris Sud, Orsay, France — [8]Lund University, Lund, Sweden — [9]RBI Zagreb, Zagreb, Croatia — [10]Goethe University Frankfurt, Frankfurt am Main, Germany — [11]CEA Bruyeres le Chatel, Bruyères-le-Châtel, France — [12]Helmholtz-Zentrum Dresden-Rossendorf, Dresden, Germany — [13]TU München, München, Germany — [14]Texas A&M University-Commerce, Commerce, TX, United States of America — [15]JINR, Dubna, Russia — [16]CSIC, Madrid, Spain — [17]STFC Daresbury Laboratory, Warrington, United Kingdom — [18]Universidad de Vigo, Vigo, Spain — [19]University of Surrey, Surrey, United Kingdom — [20]University of Liverpool, Liverpool, United Kingdom — [21]Institute of Space Sciences, Magurele, Romania — [22]NRC Kurchatov Institute, Moscow, Russia — [23]CEA Saclay, Gif-sur-Yvette, France — [24]TU Dresden, Dresden, Germany — [25]Instituto Superior Tecnico, University of Lisbon, Lisboa, Portugal — [26]University of Edinburgh, Edinburgh, United Kingdom — [27]University of Vilnius, Vilnius, Lithuania — [28]KVI - Center for Advanced Radiation Technology, Groningen, Netherlands — [29]Chalmers University of Technology, Göteborg, Sweden — [30]Institute for Nuclear Research, MTA Atomki, Debrecen, Hungary — [31]Universidad Complutense de Madrid, Madrid, Spain — [32]University of Birmingham, Birmingham, United Kingdom — [33]Nuclear Physics Center, University of Lisbon, Lisboa, Portugal — [34]Universität zu Köln,

Köln, Germany — [35]Eötvös Lóránd University, Budapest, Hungary — [36]Extreme Matter Institute, Darmstadt, Germany — [37]Saint Mary's University, Halifax, Nova Scotia, Canada — [38]Unversidade de São Paulo, São Paulo, Brazil — [39]National Superconducting Cyclotron Laboratory, East Lansing, MI, United States of America — [40]GANIL, Caen, France — [41]Josef Stefan Institut Ljubljana, Ljubljana, Slovenia

Koll 39: RADRIS-Kollaboration
Mustapha Laatiaoui[1,2], Michael Block[1,2,3], Hartmut Backe[3], Werner Lauth[3], Dieter Ackermann[2], Bradley Cheal[4], Premaditya Chhetri[5], Christoph Duellman[1,2,3], Julia Even[1], Rafael Ferrer[6], Francesca Giacoppo[1], Stefan Goetz[3], Fritz-Peter Hessberger[2], Oliver Kaleja[5], Jadambaa Khuyagbaatar[1], Peter Kunz[7], Felix Lautenschlaeger[5], Andrew Mistry[1], Sebastian Raeder[1], Enrique Minaya Ramirez[8], Thomas Walther[5], Calvin Wraith[4], Alexander Yakushev[2] und Chris Antony Howarth[4] — [1]HIM, Mainz — [2]GSI, Darmstadt — [3]JGU, Mainz — [4]University of Liverpool, Liverpool — [5]TU Darmstadt, Darmstadt — [6]KU Leuven, Leuven — [7]TRIUMF, Vancouver — [8]IPN, Orsay

Koll 40: S436-Kollaboration
Yassid Ayyad[1], Jose Benlliure[2], Fabio Farinon[4], Hiroyuki Fujioka[9], Stefan Friedrich[3], Eric Gutz[3], Emma Haettner[4], Muhsin Harakeh[10], Ryugo Hayano[11], Christine Hornung[3,4], Kenta Itahashi[12], Ronja Knoebel[4], Nasser Kalantar-Nayestanaki[5], Rituparna Kanungo[7], Miki Kenjiro[1], Ivan Mukha[4], Takahiro Nishi[12], Mariana Nanova[3], Ong Hooi Jin[1], Stephane Pietri[4], Christophe Rappold[4], Pascal Reiter[3,4], Joseluis Rodoriguez Sanchez[2], Haik Simon[4], Maya Takechi[4], Yoshiki Tanaka[11], Isao Tanihata[1,6], Satoru Terashima[6], Helmut Weick[4], John Stuart Winfield[4], Xiaodong Xu[3,4], Branislav Sitar[8], Peter Strmen[8], Imrich Szarka[8], Hans Geissel[3,4] und Christoph Scheidenberger[3,4] — [1]Research Center for Nuclear Physics, Osaka University, Osaka , Japan — [2]Universidad de Santiago de Compostela, Santiago de Compostela, Spain — [3]Giessen University, Gießen, Germany — [4]GSI Helmholtzzentrum für Schwerionenforschung, D-64291 Darmstadt, Germany — [5]University of Groningen, Groningen, Netherland — [6]School of Physics and Nuclear Energy Engineering, Beihang University, Beijing , China — [7]Saint Mary's University, Halifax, Canada — [8]Comenius University Bratislava, Bratislava, Slovakia — [9]Kyoto University, Kyoto, Japan — [10]KVI-CART, Groningen, Netherlands — [11]Tokyo University, Tokyo, Japan — [12]Riken, Wako, Japan

Koll 41: SEASTAR-Kollaboration
P. Doornenbal[1], A. Obertelli[2], G. Authelet[2], H. Baba[1], D. Calvet[2], F. Château[2], S. Chen[1], A. Corsi[2], A. Delbart[2], J.-M. Gheller[2], A. Giganon[2], A. Gillibert[2], V. Lapoux[2], T. Motobayashi[1], M. Niikura[3], N. Paul[2], J.-Y. Roussé[2], H. Sakurai[1,3], C. Santamaria[2], D. Steppenbeck[1], R. Taniuchi[1,3], T. Uesaka[1], T. Ando[1,3], T. Arici[4], A. Blazhev[5], F. Browne[6], A. Bruce[6], R. Caroll[7], L.X. Chung[8], L. Cortés[9,4], M. Dewald[5], B. Ding[10], F. Flavigny[11], S. Franchoo[11], M. Górska[4], A. Gottardo[11], A. Jungclaus[12], J. Lee[13], M. Lettmann[9], B. Linh[8], J. Liu[13], Z. Liu[10], C. Lizarazo[9,4], S. Momiyama[1,3], K. Moschner[5], S. Nagamine[3], N. Nakatsuka[16], C. Nita[14], C. Nobs[6], L. Olivier[11], Z. Patel[7], Z. Podolyak[7], M. Rudigier[7], T. Saito[3], C. Shand[7], P.A. Söderström[1], I. Stefan[11], R. Orlandi[15], V. Vaquero[12], V. Werner[9], K. Wimmer[3] und Z. Xu[13] — [1]RIKEN Nishina Center, 2-1 Hirosawa, Wako, Saitama 351-0198, Japan — [2]CEA, Centre de Saclay, IRFU/Service de Physique Nucléaire, F-91191 Gif-sur-Yvette, France — [3]Department of Physics, University of Tokyo, 7-3-1 Hongo, Bunkyo, Tokyo 113-0033, Japan — [4]GSI Helmholtzzentrum für Schwerionenforschung GmbH, 64291 Darmstadt, Germany — [5]Universität zu Köln, 50923 Köln, Germany — [6]School of Computing Engineering and Mathematics, University of Brighton, Brighton BN2 4GJ, United Kingdom — [7]Department of Physics, University of Surrey, Guildford GU2 7XH, United Kingdom — [8]Institute for Nuclear Science & Technology, VAEC, P.O. Box 5T-160, Nghia Do, Hanoi, Vietnam — [9]Institut für Kernphysik, Technische Universität Darmstadt, 64289 Darmstadt, Germany — [10]Institute of Modern Physics, Chinese Academy of Sciences, Lanzhou 730000, P.R. China — [11]Institut de Physique Nucléaire Orsay, IN2P3-CNRS, 91406 Orsay Cedex, France — [12]Instituto de Estructura de la Materia, CSIC, 28006 Madrid, Spain — [13]Department of Physics, The University of Hong Kong, Pokfulam, Hong Kong — [14]Horia Hulubei National Institute of Physics and Nuclear Engineering (IFIN-HH), RO-077125 Bucharest, Romania — [15]Advanced Science Research Center, Japan Atomic Energy Agency, Tokai, Ibaraki, 319-1195, Japan — [16].

Koll 42: SHIP Decay Spectroscopy-Kollaboration
Andrew. K. Mistry[1], Fritz. P. Hessberger[2], Michael Block[1,2,3], Dieter Ackermann[2,4], Boris Andel[5], Stanislav Antalic[5], Premaditya Chhetri[6], Christoph Duellmann[1,2,3], Francesca Giacoppo[1], Sophia Heinz[2], Jan Hoffmann[2], Jadambaa Khuyagbaatar[1], Nikolaus Kurz[2], Mustapha Laatioui[1], Joachim Maurer[2], Palo Mosat[5], Julien Piot[4], Sebastian Raeder[1], Marija Vostinar[4] und Alexander Yakushev[2] — [1]Helmholtz Institute Mainz — [2]GSI Darmstadt — [3]Johannes Gutenberg University Mainz — [4]GANIL, Caen — [5]Comenius University, Slovakia — [6]TU Darmstadt

Koll 43: SHIPTRAP-Kollaboration
Klaus Blaum[1], Michael Block[2,3,4], Premaditya Chhetri[5], Sergey Eliseev[1], Francesca Giacoppo[2,3], Fritz-Peter Hessberger[2], Oliver Kaleja[5], Mustapha Laatiaoui[2,3], Felix Lautenschläger[5], Enrique Minaya Ramirez[6], Andrew Mistry[2,3], Sebastian Raeder[2,3], Lutz Schweikhard[7] und Peter Thirolf[8] — [1]MPIK Heidelberg — [2]GSI Darmstadt — [3]Helmholtz-Institut Mainz — [4]Universität Mainz — [5]TU Darmstadt — [6]IPN Orsay — [7]Universität Greifswald — [8]LMU München

Koll 44: TRIGA-SPEC-Kollaboration
Klaus Blaum[1], Michael Block[2,3,4], Christoph E. Düllmann[2,3,4,5], Klaus Eberhardt[2,4], Christian Gorges[6], Jessica Grund[2,5], Simon Kaufmann[2,6], Jacques van de Laar[2,5], Szillard Nagy[1], Pascal Naubereit[7], Wilfried Nörtershäuser[6], Dennis Renisch[2], Fabian Schneider[2,5,7] und Klaus Wendt[5,7] — [1]Max-Planck-Institut für Kernphysik, Heidelberg — [2]Institut für Kernchemie, Johannes Gutenberg-Universität, Mainz — [3]GSI Helmholtzzentrum für Schwerionenforschung, Darmstadt — [4]Helmholtz-Institut Mainz, Mainz — [5]PRISMA Cluster of Excellence, Johannes Gutenberg-Universität, Mainz — [6]Institut für Kernphysik, Technische Universität Darmstadt, Germany — [7]Institut für Physik, Johannes Gutenberg-Universität, Mainz