

Symposium Plasma Induced Accelerators (SYPA)

jointly organised by
the Working Group on Accelerator physics (AKBP) and
the Hadronic and Nuclear Physics Division (HK)

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Research on plasma-driven accelerators is developing dynamically. Beam energy and quality are being improved by new concepts such as the combination of plasma wakefield and laser-wakefield acceleration (hybrid LPWFA). First applications are in reach like for ultra-high dose rates in medical applications.

Overview of Invited Talks and Sessions

(Lecture hall Audimax)

Invited Talks

SYPA 1.1	Wed	11:00–11:30	Audimax	Laser-driven ion acceleration -20 years of research: applications and prospect- — ●MARKUS ROTH
SYPA 1.2	Wed	11:30–12:00	Audimax	Laser-plasma ion accelerators for radio-biological research — ●KARL ZEIL
SYPA 1.3	Wed	12:00–12:30	Audimax	Hybrid plasma accelerators towards higher-quality electron beams — ●S. KARSCH, M. FOERSTER, A. DÖPP, M. GILLJOHANN, J. GÖTZFRIED, K. V. GRAFENSTEIN, F. HABERSTROH, J. WENZ, S. CORDE, O. KONONENKO, B. HIDDING, T. HEINEMANN, T. KURZ, J. COUPERUS-CABADAG, U. SCHRAMM, A. DEBUS, A. MARTINEZ DE LA OSSA

Sessions

SYPA 1.1–1.3	Wed	11:00–12:30	Audimax	Plasma Induced Accelerators
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