

## Symposium Single Atoms (SYSA)

jointly organized by  
the Quantum Optics and Photonics Division (Q) and  
the Atomic Physics Division (A)

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### Overview of Invited Talks and Sessions

(lecture room A 320)

#### Invited Talks

SYSA 1.1	Th	10:30–11:00	A 320	<b>Cavity EIT with single atoms</b> — •STEPHAN RITTER, MARTIN MÜCKE, EDEN FIGUEROA, JÖRG BOCHMANN, CAROLIN HAHN, CELSO J. VILLAS-BOAS, GERHARD REMPE
SYSA 1.2	Th	11:00–11:30	A 320	<b>Optical detection of single trapped atoms with less than one spontaneous emission</b> — JÜRGEN VOLZ, ROGER GEHR, GUILHEM DUBOIS, JÉRÔME ESTÈVE, •JAKOB REICHEL
SYSA 1.3	Th	11:30–12:00	A 320	<b>Substantial interaction between a single atom and a focused light beam</b> — •GLEB MASLENNIKOV, SYED ABDULLAH ALJUNID, BRENDA CHNG, FLORIAN HUBER, MENG KHOON TEY, TIMOTHY LIEW, VALERIO SCARANI, CHRISTIAN KURTSIEFER
SYSA 1.4	Th	12:00–12:30	A 320	<b>Exploring Quantum Physics with Single Neutral Atoms</b> — •ARTUR WIDERA
SYSA 2.1	Th	14:00–14:30	A 320	<b>Detecting single ultra cold atoms</b> — •JÖRG SCHMIEDMAYER
SYSA 2.2	Th	14:30–15:00	A 320	<b>Entanglement of two individual neutral atoms using Rydberg blockade</b> — •TATJANA WILK, ALPHA GAËTAN, CHARLES EVELLIN, JANIK WOLTERS, YEVHEN MIROSHNYCHENKO, PHILIPPE GRANGIER, ANTOINE BROWAEYS

#### Sessions

SYSA 1.1–1.4	Th	10:30–12:30	A 320	<b>Single Atoms I</b>
SYSA 2.1–2.2	Th	14:00–15:00	A 320	<b>Single Atoms II</b>