

Symposium The Rise of Photonic Quantum Technologies – Practical and Fundamental Aspects (SYPQ)

jointly organised by
 the Semiconductor Physics Division (HL),
 the Magnetism Division (MA),
 the Metal and Material Physics Division (MM),
 the Low Temperature Physics Division (TT), and
 the Working Group young Leader in Physics (AGyouLeaP)

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Overview of Invited Talks and Sessions

(Lecture hall Audimax 2)

Invited Talks

SYPQ 1.1	Fri	10:00–10:30	Audimax 2	Quantum dots operating at telecom wavelengths for photonic quantum technology — ●SIMONE LUCA PORTALUPI
SYPQ 1.2	Fri	10:30–11:00	Audimax 2	Photonic graph states for quantum communication and quantum computing — ●STEFANIE BARZ
SYPQ 1.3	Fri	11:00–11:30	Audimax 2	Rare-earth ion doped solids at sub-Kelvins: practical and fundamental aspects — ●PAVEL BUSHEV
SYPQ 1.4	Fri	11:45–12:15	Audimax 2	Quantum Light and Strongly Correlated Electronic States in a Moiré Heterostructure — ●BRIAN GERARDOT
SYPQ 1.5	Fri	12:15–12:45	Audimax 2	Quantum communication in fibers and free-space — ●RUPERT URSIN

Sessions

SYPQ 1.1–1.5	Fri	10:00–12:45	Audimax 2	Symposium: The Rise of Photonic Quantum Technologies – Practical and Fundamental Aspects
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