

Radiation and Medical Physics Division Fachverband Strahlen- und Medizinphysik (ST)

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Overview of Invited Talks and Sessions

Plenary Talk

See plenary section for details.

PV VI Wed 9:45–10:30 ZHG011 **Image-guided radiotherapy for cancer treatment: recent developments and future innovations** — •DANIELA THORWARTH

Invited Talks

ST 2.1 Tue 16:15–16:45 ZHG003 **Photonenzählende Detektoren: Der nächste Schritt in der klinischen CT-Bildgebung** — •THOMAS STEIN

ST 2.2 Tue 16:45–17:15 ZHG003 **Life-view 3D endoscopy for colorectal cancer screening based on MHz optical coherence tomography** — •MAIK RAHLVES, AWANISH SINGH, MADITA GÖB, SAZGAR BURHAN, SIMON LOTZ, WOLFGANG DRAXINGER, BERENICE SCHULTE, MARVIN HEIMKE, TILLMANN HEINZE, MARIO PIEPER, THILO WEDEL, MARK ELLRICHMANN, ROBERT HUBER

ST 2.3 Tue 17:15–17:45 ZHG003 **Engineering Precision Medicine with Magnetic Imaging Techniques** — •IOANA SLABU

ST 4.1 Wed 13:45–14:15 ZHG009 **Mixed ion beams for treatment monitoring: recent developments and future prospects** — •ELISABETH RENNER, HERMANN FUCHS, MATTHIAS KAUSEL, CLAUS SCHMITZER

ST 9.1 Thu 17:15–17:45 ZHG003 **Making Surgery Intelligent: From Autonomous Systems to the Intelligent OR** — •JANNIS HAGENAH

Invited Talks of the joint Symposium SMuK Dissertation Prize 2025 (SYMD)

See SYMD for the full program of the symposium.

SYMD 1.1 Mon 14:15–14:45 ZHG011 **Fluid-dynamic description of heavy-quark diffusion in the quark-gluon plasma** — •FEDERICA CAPELLINO

SYMD 1.2 Mon 14:45–15:15 ZHG011 **Fast and faithful effective-one-body models for gravitational waves from generic compact binaries** — •ROSSELLA GAMBA

SYMD 1.3 Mon 15:15–15:45 ZHG011 **Nuclear Structure Near Doubly Magic Nuclei** — •LUKAS NIES

SYMD 1.4 Mon 15:45–16:15 ZHG011 **Optimisation strategies for proton acceleration from thin foils with petawatt ultrashort pulse lasers** — •TIM ZIEGLER

Sessions

ST 1.1–1.6 Tue 13:45–15:15 ZHG003 **Computational Methods and Simulation**

ST 2.1–2.3 Tue 16:15–17:45 ZHG003 **DPG meets DGMP: Future Perspectives on Tomographic Imaging Techniques**

ST 3.1–3.6 Wed 11:00–12:30 ZHG003 **Radiation Monitoring and Dosimetry**

ST 4.1–4.7 Wed 13:45–15:45 ZHG009 **Accelerators for Medical Applications (joint session ST/AKBP)**

ST 5.1–5.4	Wed	16:15–17:15	ZHG003	Detector Physics
ST 6.1–6.4	Thu	11:00–12:00	ZHG003	Medical Imaging and Treatment Monitoring
ST 7.1–7.6	Thu	13:45–15:45	ZHG Foyer 1. OG	Poster Session
ST 8.1–8.4	Thu	16:15–17:15	ZHG003	Particle Radiography
ST 9.1–9.1	Thu	17:15–17:45	ZHG003	Keynote Session
ST 10	Thu	17:45–18:00	ZHG003	Prize Ceremony and Closing Session
ST 11	Thu	18:15–19:15	ZHG003	Members’ Assembly

Members’ Assembly of the Radiation and Medical Physics Division

Thursday 18:15–19:15 ZGH003