

Programm der Sitzung

7.-8. Okt. 2026

HI Jena Scientific Council Meeting 2026

Open Session

Helmholtz Institute Jena, Seminar Room 104
Fraunhoferstr. 8 07743 Jena Germany

Mi., 7. Oktober

14:00

Open Session: Welcome and Introduction

Sitzung | **Ort:** Helmholtz Institute Jena, Seminar Room 104, Fraunhoferstr. 8 07743 Jena Germany

14:00–14:50 Uhr

Current Developments at the Institute and Clarification of Remaining Questions from the 17th Scientific Council Meeting 2025

Sprecher

Thomas Stöhlker

14:50–15:10 Uhr

Recent Developments on Laser-Driven Fusion at GSI Darmstadt

Sprecher

Vincent Bagnoud

15:10

15:40

Open Session: Scientific Reports from the Research Areas

Sitzung | **Ort:** Helmholtz Institute Jena, Seminar Room 104, Fraunhoferstr. 8 07743 Jena Germany

15:40–16:00 Uhr

Matter Competence Team (MCT) “Technologies for Fusion Energy and Frontiers of Optics”

Sprecher

Malte Christoph Kaluza

16:00–16:20 Uhr

GSI Innovation Fund: Concept and Projects at the Helmholtz Institute Jena

Sprecher

Arno Klenke

16:20–16:40 Uhr

InnoEUV: Results and Outlook

Sprecher

Jan Rothhardt

16:40–17:00 Uhr

Lab-based Correlative Fluorescence and Soft X-Ray Microscopy

Sprecher

Frau Sophia Kaleta

17:00

17:00

Open Session: Current Developments at GSI and FAIR

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17:00–17:30 Uhr

Current Developments at GSI and FAIR

Sprecher

Yvonne Leifels

17:30–17:50 Uhr

Strategy of HI Jena to DEAL with the UNILAC Incident

Sprecher

Thomas Stöhlker

17:50

Do., 8. Oktober

08:30

Open Session: Scientific Reports from the Research Areas

Sitzung | **Ort:** Helmholtz Institute Jena, Seminar Room 104, Fraunhoferstr. 8 07743 Jena Germany

08:30–08:50 Uhr **Measuring Vacuum Birefringence: The Dark Field Concept**

Sprecher

Aimé Matheron

08:50–09:10 Uhr

Quantitative Theoretical Predictions of the Signals in Quantum Vacuum Experiments

Sprecher

Felix Karbstein

09:10–09:30 Uhr

Visualizing Plasma Waves and Long-living Soliton-like Structures in a Laser-wakefield Accelerator

Sprecher

Malte Christoph Kaluza

09:30–09:50 Uhr

Simulations of Relativistic Solitons and their Radiation Emission

Sprecher

Daniel Seipt

09:50–10:10 Uhr

Atomic Computations for Multiply & Highly-charged Ions: Dielectronic Recombination

Sprecher

Stephan Fritzsche

10:10

10:40

Open Session: Scientific Reports from the Research Areas

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10:40–11:00 Uhr

Introducing the Ta-181 Nuclear Resonance for Precision Metrology Applications

Sprecher

Frau Bharti Pandit

11:00–11:20 Uhr

Quantum Sensors at the Helmholtz Institute Jena: Current Status

Sprecher

Johanna Hanke Walch

11:20–11:40 Uhr

High Precision Mass Spectrometry of Highly Charged Ions

Sprecher

Rima Xenia Schüssler

11:40–12:00 Uhr

Helmholtz Investigator Group: Quantum Logic Spectroscopy

12:00

Sprecher

Dr. Peter Micke