

Preliminary Agenda

18th Scientific Council Meeting of the Helmholtz Institute Jena, October 7th to 8th, 2026

Seminar Room HI Jena Oct 7 th Friedrich-Schiller-Universität Jena, Fraunhoferstr. 8, 07743 Jena				
	Time	Subjects		Duration
Wednesday	12:00	Arrival & Light Lunch		90'
	13:30	Closed Session	Scientific Council only	30'
		Open Session		
	14:00	- Welcome - Current Developments at the Institute and Clarification of Remaining Questions from the 17th Scientific Council Meeting 2025	Thomas Stöhlker	30' + 20'
	14:50	Recent Developments on Laser-driven Fusion at GSI Darmstadt	Vincent Bagnoud	15' + 05'
	15:10	Coffee Break		30'
	15:40	Matter Competence Team (MCT) "Technologies for Fusion Energy and Frontiers of Optics" (FEOPT)	Malte Kaluza	15' + 05'
	16:00	GSI Innovation Fund: Concept and Projects at the Helmholtz Institute Jena	Arno Klenke	15' + 05'
	16:20	InnoEUV: Results and Outlook	Jan Rothhardt	15' + 05'
	16:40	Lab-based Correlative Fluorescence and Soft X-Ray Microscopy	Sophia Kaleta	15' + 05'
	17:00	Current Developments at GSI / FAIR	Yvonne Leifels	20' + 10'
	17:30	Strategy of HI Jena to Deal with the UNILAC Incident	Thomas Stöhlker	15' + 05'
	17:50	Transfer to the Hotel*		
	19:00	Dinner		

*Transfer is being organized

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Seminar Room HI Jena Oct 8 th Friedrich-Schiller-Universität Jena, Fraunhoferstr. 8, 07743 Jena				
	Time	Subjects		Duration
Thursday		Open Session <i>Scientific Reports from the Research Areas</i>		
	8:30	• Measuring Vacuum Birefringence: The Dark Field Concept	Aimé Matheron	15' + 05'
	8:50	• Quantitative Theoretical Predictions of the Signals in Quantum Vacuum Experiments	Felix Karbstein	15' + 05'
	9:10	• Visualizing Plasma Waves and Long-living Soliton-like Structures in a Laser-wakefield Accelerator	Malte Kaluza	15' + 05'
	9:30	• Simulations of Relativistic Solitons and their Radiation Emission	Daniel Seipt	15' + 05'
	9:50	• Atomic Computations for Multiply & Highly- charged Ions: Dielectronic Recombination	Stephan Fritzsche	15' + 05'
	10:10	Coffee Break		30'
	10:40	• Introducing the ¹⁸¹ Ta Nuclear Resonance for Precision Metrology Applications	Bharti Pandit	15' + 05'
	11:00	• Quantum Sensors at the Helmholtz Institute Jena: Current Status	Johanna Walch	15' + 05'
	11:20	• High Precision Mass Spectrometry of Highly Charged Ions	Rima Schüssler	15' + 05'
	11:40	• Helmholtz Investigator Group: Quantum Logic Spectroscopy	Peter Micke	15' + 05'
	12:00	Lunch		90'
	13:30	Closed Session	Scientific Council only	60'
	14:30	Closed Session / Close-Out		30'
	15:00	End of 18 th Scientific Council Meeting of HI Jena and Transfer*		

*Transfer is being organized