



MATTER AND
TECHNOLOGIES

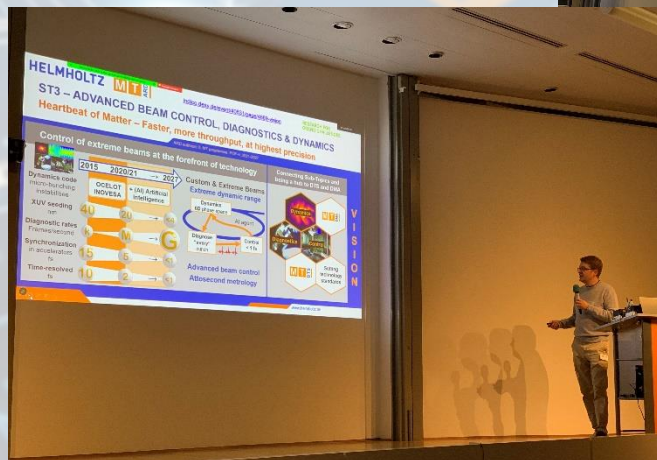
Matter and Technologies 11th Annual Meeting at GSI: Closeout

Anke-Susanne Müller, Friederike Januschek, Christina Widmann

MT Annual Meeting 2026

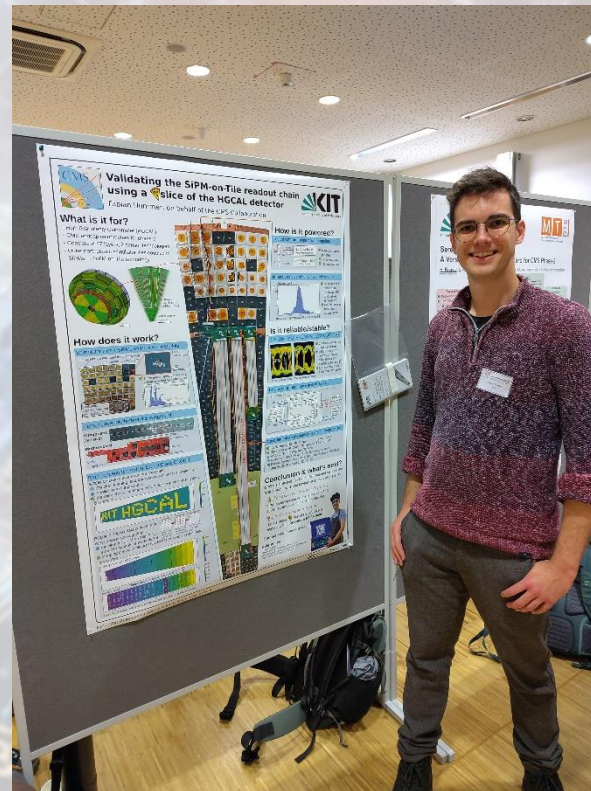
Impressions

Great plenary and parallel sessions!



Impressions

Great speed talks and posters!



MT award for the best speed talk at the 2025 meeting



- The audience then chose the best talk:
Congratulations, Leon!

Serenity-S: A versatile data processing card for CMS Phase-2 SB1 Lecture Hall, GSI	<i>Hendrik Krause</i>	17:15 - 17:18
REGAE - Time resolved diffraction with relativistic electrons SB1 Lecture Hall, GSI	<i>Marie Kristin Czwalińska</i>	17:20 - 17:23
QUASY- Quantum Sensor Platform for Synchrotron X-ray Spectroscopy SB1 Lecture Hall, GSI	<i>Nik Arlt</i>	17:25 - 17:28
PM magnet development status for BESSY II+ SB1 Lecture Hall, GSI	<i>Ilia Asparuhov</i>	17:30 - 17:33
Building Software Communities in HEP - The HSF Experience SB1 Lecture Hall, GSI	<i>Graeme Andrew Stewart</i>	17:35 - 17:38
Patch-MLP-Based Predictive Control: Simulation of Upstream Pointing Stabilization for PHELIx Laser System <i>Jiaying Wang</i>		
Production and characterization of ladders of the Silicon Tracking System for the CBM experiment <i>Lady Maryann Collazo Sanchez</i>		
Upgrade of the Periodic HTS Quadrupole Magnet for Operation Beyond 1 kA SB1 Lecture Hall, GSI	<i>Samira Fatehi</i>	17:50 - 17:53
A Q-switched Nd:YLF laser pumped by high-power LEDs SB1 Lecture Hall, GSI	<i>Leon Dauerer</i>	17:55 - 17:58
Burst-Mode CoRDIA – An Option for a Second-Generation Detector for the European XFEL SB1 Lecture Hall, GSI	<i>Ulrich Trunk</i>	18:00 - 18:03

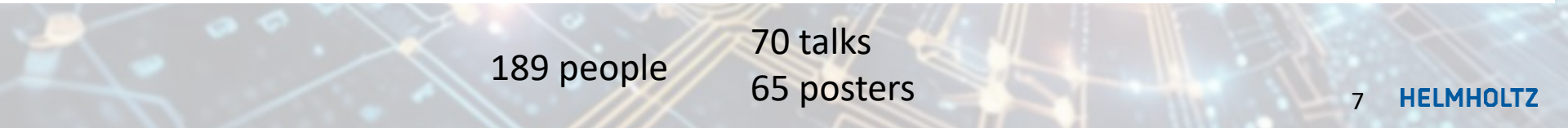
Impressions

Enjoyable poster evening and dinner





**MATTER AND
TECHNOLOGIES**



70 talks
65 posters

Preparing for the future

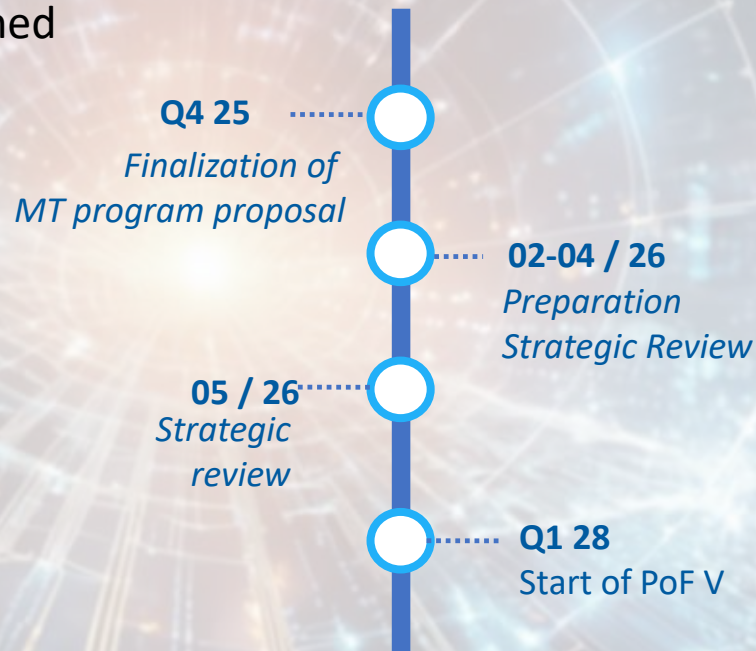
Moving MT towards PoF V

- Matter and Technologies as a program well positioned

Strategic review – PoF V (2028 - 2034)

- Our future research foci
- Our positioning within Helmholtz
- Positioning ourselves politically/strategically

PoF Writing Sessions start after tours!



MT Student Retreat: Thank you to the organizers

Ahmad Zainul Ihsan
Alexander Cierpka
Anil Kumar Mysore
Badarinarayana
Areso Sherjan
Athanasios Koutsostathis
Eduard Boos

...starts at 1 pm already



Student Retreat 2024

Thank you!



The local organizing team

Maria Wallner

Anja Seibel (Tours)

Sarah Al Malih (Poster session)

Simone Ollweiler (Catering+Photo)



Our Message

We are enthusiastic about what we do

We are excellent at what we do

We profit from each other

We drive science forward

We are



See you next year at the 2026 MT annual meeting

Time: Fall 2026
Location: tba



Another important THANK You!



The competence of the involved scientists is at the highest international level, and their level of motivation is the best guarantee to the expected success of the programme.

März 2014 – Der Wahnsinn beginnt und verlangt nach MuT, aber es braucht nur einen Ties und alles wird GuT!



MT POFIII Evaluation

Wednesday 26 March 2014 - Friday 28 March 2014

HTH Dresden
Programme

General remarks

The new MaT programme is fully supported by the Review Panel, which endorses its objectives and its implementation according to the proposed structure and organization.

2. Supports fully the creation of the new programme "Matter and Technology" (MaT) in the field "Matter" as a third programme next to "Matter and Universe" (MU) and "From Matter to Materials and Life" (MML). Its constitution by two topics "Accelerator R&D" (ARD) and "Detectors Technologies and Systems" (DTS) is considered as profitable.

6. Considers the scientific quality of the MaT programme at the highest level internationally.

Thursday 27 March 2014	
[10h. Breakfast - from breakfast Hall (10h-11h.45)]	
[Closed Session - 11h-11h.45 (11h.45-12h)]	
[Presentation of all participants in the session - Closed Session (11h.45-12h)]	
[Presentation of the programme - Closed Session (12h-12h.30)]	
12h.30-13h	13h.30-14h
12h.30-13h The programme Matter and Technology	13h.30-14h In Matter, the
12h.30-13h Accelerator Research and Development	13h.30-14h MATERIALS, Systems
12h.30-13h Detectors Technologies and Systems	13h.30-14h From Matter, the
[Lunch in Participants - HTH restaurant (12h.30-13h.30)]	

Folie:
Andreas
Jankowiak