

Welcome – Annual Meeting MT ARD ST3

Advanced beam control, diagnostics & dynamics

The ARD test facilities - Essential drivers for timely advances in ST3-topics
ARES, cSTART, FLUTE, KARA, PITZ, SEALab, TELBE, ...

Erik Bründermann (Spokesperson ST3, KIT)

Florian Burkart (Spokesperson ST3, DESY)

Center contacts: Thorsten Kamps (HZB), Michael Kuntzsch (HZDR), Peter Forck(GSI)

25.06.2025, 13:15 – 13:30

13th ARD-ST3 Meeting MT Days, DESY / Zeuthen



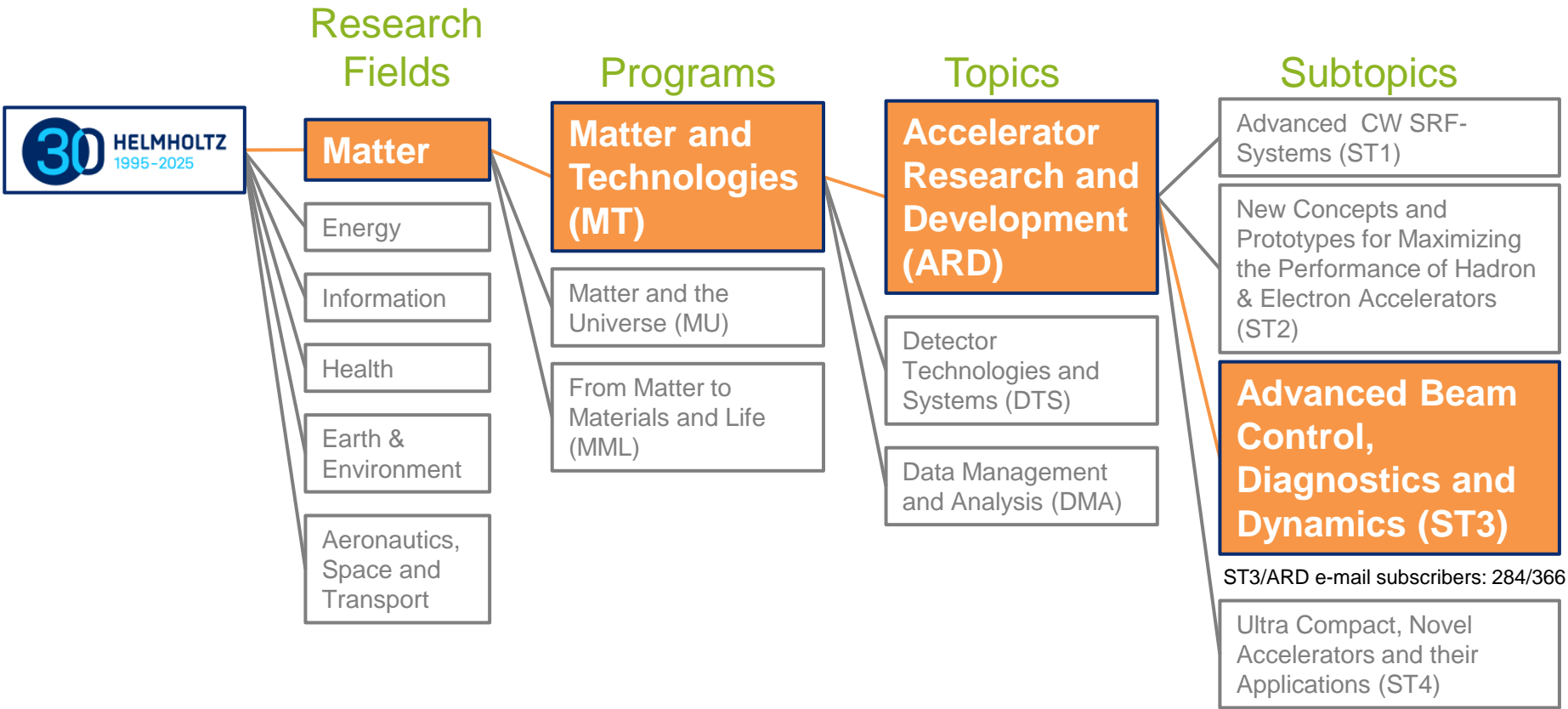
**Thanks to the local
organizing committee**

MT ARD ST3 – Advanced beam control, diagnostics & dynamics

Welcome

- **Helmholtz Association** – Tree of Research & Acronyms
- A special “**Thank you**”
- **Our vision** for “Program-oriented Funding” (PoF) IV – 2021-2027
- **Future strategy** for MT ARD ST3 for PoF V
 - PoF center evaluation finished – thank you all for your contributions!!
 - What next?
 - 2028-2034 => Friday 27.06.2025, 11:50 - 12:20, Strategy discussion
 - Vision slide (at some point)
- **Essential drivers for timely advances in ST3-topics: the ARD test facilities**
- **MT ARD ST3 Annual Meetings** (networking, education, ...)

Helmholtz Association – Tree of Research & Acronyms



THANK YOU Holger!!



- Since 2011 on board!
- ARD ST3 and MT ARD ST3 speaker 2011-2024
- Scientist, Manager, Organizer, Networker, Technology Transfer Activist, ...

Introduction ARD – Subtopic 3
“ps – fs Electron and Photon beams”

H. Schlarb (DESY) ST3-I
Michael Gensch (HZDR) ST3-II
Anke-Susanne Mueller (KIT) ST3-III

→ I Laser induced radiation & synchronization
 → II Ultra-fast pulse diagnostics
 → III (Coh.) photon radiation & interaction

KIT GSI HZDR HZB

1st ARD Workshop ST3 “ps-fs Electron and Photon Beams”

Aug 21 – 22, 2012
 DESY
 Europe/Berlin timezone

HELMHOLTZ
 GEMEINSCHAFT

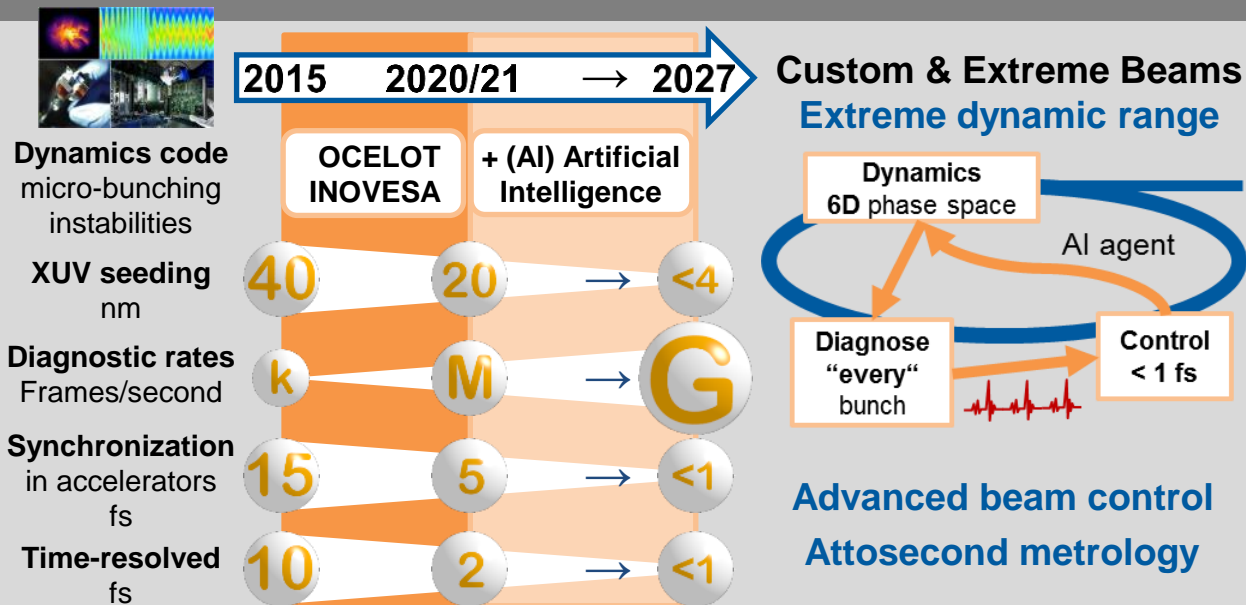
Enter your search term

ST3 – ADVANCED BEAM CONTROL, DIAGNOSTICS & DYNAMICS

Heartbeat of Matter – Faster, more throughput, at highest precision

ARD subtopic 3, MT programme, POF-4: 2021-2027

Control of extreme beams at the forefront of technology



Connecting Sub-Topics and being a hub to DTS and DMA



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ARD ST3 – Advanced beam control, diagnostics & dynamics

Essential drivers for timely advances in ST3-topics: the ARD test facilities

Transfer new methods and technologies during - limited - access time to user facilities

ARES / DESY



PITZ



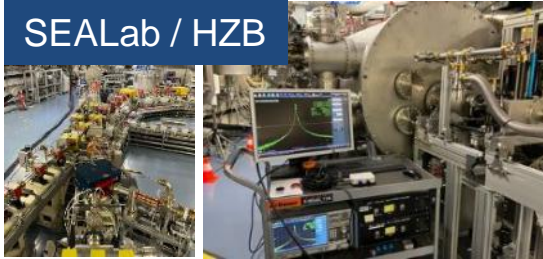
FLUTE / KIT



cSTART



SEALab / HZB



ELBE / HZDR

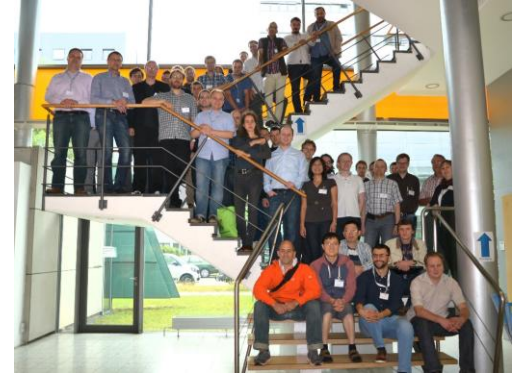


KARA / KIT



MT ARD ST3 – Advanced beam control, diagnostics & dynamics

Annual meetings: Berlin, Darmstadt, Dresden, Hamburg, Karlsruhe, Zeuthen



Welcome to
the 13th ARD
ST3 meeting