



# MT ARD ST3 Meeting 2021 in Hamburg

## Thursday, 30 September 2021

### Session Beam Controls: Talks (09:00 - 10:15)

-Conveners: Holger Schlarb

| time  | [id] title   | presenter            |
|-------|--|----------------------|
| 09:00 | [76] Attosecond Field Receiver Technology                  | Dr LUDWIG, Frank     |
| 09:25 | [83] Seeding concept and challenges for FLASH2020+         | Dr NIKNEJADI, Pardis |
| 09:50 | [77] Towards autonomous tuning and control of accelerators | XU, Chenran          |

### Session Beam Controls: Speed talks (10:30 - 12:00)

-Conveners: Andrea Santamaria Garcia

| time  | [id] title   | presenter              |
|-------|--|------------------------|
| 10:30 | [104] Control of bunch oscillations using Bunch-by-Bunch capable systems at KARA   | BLOMLEY, Edmund        |
| 10:35 | [81] Decentralized Control Approach for the Optical Synchronization System at the European XFEL                              | Mr SCHÜTTE, Maximilian |
| 10:40 | [91] Bunch arrival stability at the European XFEL  | LAUTENSCHLAGER, Bjoern |
| 10:45 | Q&A;   |                        |
| 11:00 | [87] Transverse Electron Beam Emittance Measurements at FLUTE  | SCHMELZER, Thiemo      |
| 11:05 | [88] Multi-alkali antimonides photocathodes for high-brightness RF photoinjectors  | MOHANTY, Sandeep       |
| 11:10 | [82] First bunch duration measurement on the ARES linac at DESY  | VINATIER, Thomas       |
| 11:15 | Q&A;   |                        |
| 11:30 | [108] High-fidelity Prediction of Megapixel Longitudinal Phase Space images at the European XFEL Photoinjector               | ZHU, Jun               |
| 11:35 | [107] Studies on Using Reinforcement Learning Methods for Controlling the Transverse Beam Parameters at the ARES Accelerator | STEIN, Oliver          |
| 11:40 | [105] New SoC-based MicroTCA Hardware Developments   | Mr FENNER, Michael     |
| 11:45 | Q&A;   |                        |