8. Annual MT Meeting



Contribution ID: 138 Type: Parallel talk

From laser-plasma accelerator experiments to digital twins – tightening the links by synthetic diagnostics and experimental data reconstruction

Tuesday 27 September 2022 17:00 (15 minutes)

Building high-fidelity digitial twins through start-to-end models to better understand and control advanced laser-plasma accelerators, as well as compact free-electron laser beamlines, requires direct comparison to experimental data. We highlight recent results in startto-end simulations and developments with a focus on their connection to experiment, such as by synthetic diagnostics and experimental data reconstruction analyses.

Presenter: DEBUS, Alexander (a.debus@hzdr.de)

Session Classification: Data Management and Analysis