Joint Accelerator Performance Workshop 2024



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Surrogate models (15'+10')

Thursday 12 December 2024 10:05 (25 minutes)

Why surrogate models and why surrogates with ML? How to incorporate inductive bias? PINNs, symmetries,… Examples and prospects Infrastructure requirements for full integration in control room (storage, refer back to previous talk,…)

Presenter: VELOTTI, Francesco Maria (CERN)

Session Classification: Beam dynamics modelling <-> Controls, data and automation