



# 3rd ICFA Beam Dynamics Mini-Workshop on Machine Learning Applications for Particle Accelerators (Chicago, IL - Palmer House Hilton)

## Thursday, 3 November 2022

### Modeling (Session Moderator: Chris Tennant, JLAB) (08:30 - 10:10)

| time  | [id] title   | presenter                     |
|-------|--|-------------------------------|
| 08:30 | [96] Data-Driven Chaos Indicator for Nonlinear Dynamics and Applications on Storage Ring Lattice Design            | RAINER, Robert                |
| 08:55 | [97] Towards End-to-End Differentiable Accelerator Modeling  | GONZALEZ-AGUILERA, Juan Pablo |
| 09:20 | [98] Experience with Integrated Systems for Online Physics Modeling, Adaptive ML Modeling, and Model-Based Control | EDELEN, Auralee               |
| 09:45 | [99] Luminosity Tuning for Future Electron Ion Collider  | XU, Derong                    |