

Session A-3: Injection, Painting, Beam Splitting, and Equilibrium Distributions

Austin Hoover (on behalf of Nick Evans)

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Topics in this session

- Beam shaping (multi-turn injection/extraction)
- Coupled optics
- Dynamics of non-standard beam distributions

Talks in this session

- **Phase space painting into non-planar modes for space charge mitigation**
Austin Hoover (ORNL)
- ~~**Dual-plane painting injection in the HIAF Booster Ring**~~
~~Guodong Shen (Institute of Modern Physics)~~
- **Avoiding Beam Instabilities and Resonances with Circular Mode Beams**
Onur Gilanliogullari (Upsula University)
- **Injection Studies for the ISIS Pre-Injector Upgrade**
Billy Kyle (ISIS, STFC, UKRI)
- **Space-charge effects in multi-turn extraction**
Massimo Giovannozzi (CERN)