Contribution ID: **87** Type: **Oral presentation**

Simulation of Multi-Energy Extraction with RFKO

This presentation provides an overview of the current simulation framework used at MedAustron to simulate the multi-energy extraction process. These simulations aim to assist in the commissioning of a potential future implementation of MEE at MedAustron. The recent improvements in the Xsuite tracking code facilitate the simulation of beam re-acceleration, including all the necessary dynamic changes in the lattice to perform RF-knockout slow extraction. This study presents an example of a Xsuite-based MEE simulation applied to the MedAustron synchrotron.

Primary author: PLASSARD, Fabien (MedAustron)

Presenter: PLASSARD, Fabien (MedAustron)

Session Classification: Advanced Extraction Techniques