

KO extraction feedback dynamics

In this contribution, we will discuss the beam dynamics relevant for the KO extracted spill feedback loop by means of Xsuite simulations and measurements at GSI SIS-18. The fundamental limitations of this feedback scheme under typical machine settings and excitation waveforms will be highlighted.

This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under GA No 101004730.

Primary author: SINGH, Rahul (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Co-author: NIEDERMAYER, Philipp (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))

Presenter: SINGH, Rahul (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))