

First beam-tracking study of LhARA FFA with space charge effects

- **LhARA project** : interdisciplinary collaboration aiming to build a facility for radiobiological studies using proton and ion beam irradiation
- **Fixed Field alternating gradient (FFA) accelerator** : protons from 15 MeV to 127 MeV
- **Beam tracking with space charge (RF-Track code)** : from beamline entrance up to 50 turns in the FFA
- **LhARA FFA** : initial study reveals stable beam size over 50 turns

