

## Tracking Simulation of the Bunched Beam Stochastic Cooling

*Monday, 15 April 2019 15:30 (15 minutes)*

Mapping equation for the bunched beam stochastic cooling is formulated. For the NICA project parameters the obtained result is compared with theoretical description. According to the results the preferable stochastic cooling method for the NICA collider is clarified.

**Primary author:** GORELYSHEV, Ivan (VBLHEP JINR)

**Co-author:** Dr SIDORIN, Anatoly (VBLHEP JINR)

**Presenter:** GORELYSHEV, Ivan (VBLHEP JINR)

**Session Classification:** Particle accelerators and nuclear reactors

**Track Classification:** Particle Accelerators and Nuclear Reactors