

## Injector status in NICA project

*Tuesday 27 August 2024 16:00 (2 hours)*

Nuclotron based Ion Collider fAcility (NICA) project is being realized in JINR, Dubna. The main goal of new collider facility is investigations of the heavy ions collisions with center-of-mass energy up to 11 GeV/u. Two injectors will provide the beams as for colliding and for extracted beam experiments. One of them is Heavy Ions Linear Accelerator (HILAC) intended to inject heavy ions produced with the ESIS ion source into accumulating synchrotron Booster following by Nuclotron. Another one is Light Ions Linear accelerator has to inject light polarized ions produced by source of polarized ions SPI directly to Nuclotron. Status of both injectors and accelerating runs are presented.

### Footnotes

### Funding Agency

**Primary author:** LEVTEROV, Konstantin (Joint Institute for Nuclear Research)

**Co-authors:** BUTENKO, Andrey (Joint Institute for Nuclear Research); GOLOVENSKIY, Boris (Joint Institute for Nuclear Research); SYRESIN, Evgeny (Joint Institute for Nuclear Research); MIALKOVSKIY, Vladimir (Joint Institute for Nuclear Research)

**Presenter:** LEVTEROV, Konstantin (Joint Institute for Nuclear Research)

**Session Classification:** Tuesday Poster Session

**Track Classification:** MC3: Proton and Ion Accelerators and Applications: MC3.3 Other proton/ion