

The new Light-ion Linac for the NICA Collider

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Upgrade of NICA injection complex requires the replacement of obsolescent LU-20 DTL linac for the new ion linear accelerator. The R&D plan includes the development of 7 AMeV-linac with future extension by additional normal-conductive RF cavities with output energy up to 13 AMeV and SC cavities up to 30-50 AMeV. The linac will provide a beam of polarised protons and light ions with a mass to charge ratio up to 3. An overview of the Linac is presented in this paper.

Primary author: Mr MARTYNOV, Andrei (JINR)

Presenter: Mr MARTYNOV, Andrei (JINR)

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