

LXXII International conference "Nucleus-2022: Fundamental problems and applications"

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Type: **Plenary talk (30 min + 10 min questions)**

NICA Megascience Project at JINR: Status and Plans

Monday, 11 July 2022 12:00 (35 minutes)

The Nuclotron-based Ion Collider fAcility (NICA) is the flagship project at the Joint Institute Nuclear Research (Dubna, Russia). Two goals of the project – experimental studies of dense nuclear (baryonic) matter and particle spin physics – are combined in the project on the basis of a common experimental method: the investigation of collisions of nuclei at relativistic energies. The project is under active stage-by-stage realization. The report describes in detail the NICA scheme, the technical solutions being used and status of the project development.

An achievement of design luminosity requires overcoming many technological and beam physics problems, which are described in this report.

The speaker is a student or young scientist

No

Section

1. Intermediate and high energies, heavy ion collisions

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