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Construction of stations for applied research at the NICA accelerator complex at JINR

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On the basis of the NICA accelerator complex applied stations: ISCRA (energy range of 150 - 500 MeV/n), SOCHI (ion energy up to 3.2 MeV/n), and SIMBO (energy range 500-1000 MeV/n) are under construction for single event effects testing of as capsulated, so decapsulated microchips, and for radiobiological researches and modelling of influence of heavy charged particles on cognitive functions of animal's brain respectively. This paper presents the applied stations description. Mounting and commissioning of the SOCHI station are planned for autumn 2021, the ISCRA and SIMBO stations are planned in early 2022. Experiments at the SOCHI are to start in spring 2022, at the ISCRA and SIMBO are planned in autumn 2022.

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