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THE NEW DC-280 CYCLOTRON. STATUS AND PERSPECTIVES

Thursday, 21 September 2017 11:00 (25 minutes)

The status of the project of the DC-280 cyclotron is presented. The DC-280 will be the basic facility of the Super Heavy Element Factory which is being created at the FLNR JINR. The energy of the ions extracted from the cyclotron will vary from 4 up to 8 MeV/amu. The expected ion beam intensity at DC-280 extraction is 10 pmkA for ions with masses 50-60. The main parts of the DC-280 are already made and are being assembled. In accordance with FLNR plans the cyclotron has to be assembled in the period from 2016 to 2017. The cyclotron commissioning will be in 2018.

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