



MegaScience projects realized in the Russian Federation and outside

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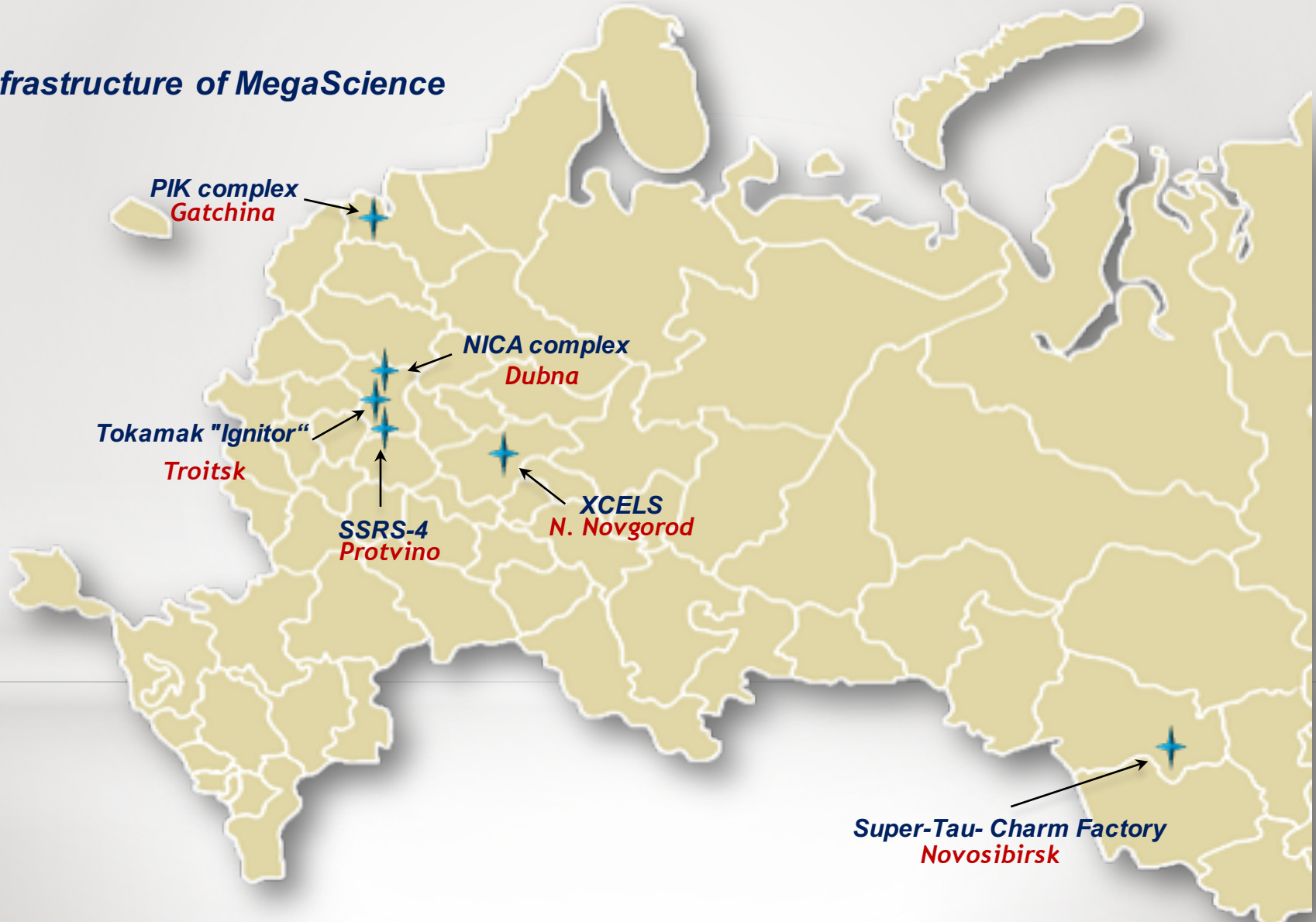
Russian contribution to the World MegaScience

Research Infrastructures and international facilities	Location	Russian funding
European Organization for Nuclear Research (CERN)	Switzerland, Geneva	10 M€ for modern. LHC (2014-2016) 2,2 M€/annual M&O
European X-Ray Free-Electron Laser Facility (XFEL)	Germany, Hamburg	406,7 (26,79%) M€
International Facility for Antiproton and Ion Research (FAIR)	Germany, Darmstadt	178,05 (17.34%) M€
International Thermonuclear Experimental Reactor (ITER)	France, Cadarache	1 727,1 (9,09%) M€
European Synchrotron Radiation Facility (ESRF)	France, Grenoble	10 M€/once-only + 5,261 (6%) M€/annual



MegaScience projects in Russia

+ Infrastructure of MegaScience



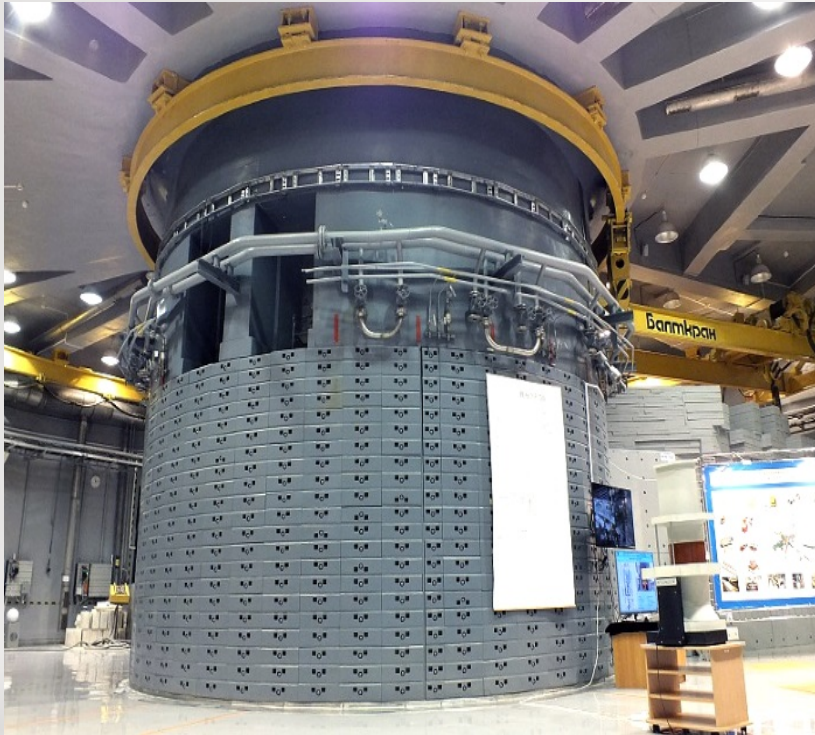


Development of advanced research infrastructure in the Russian Federation

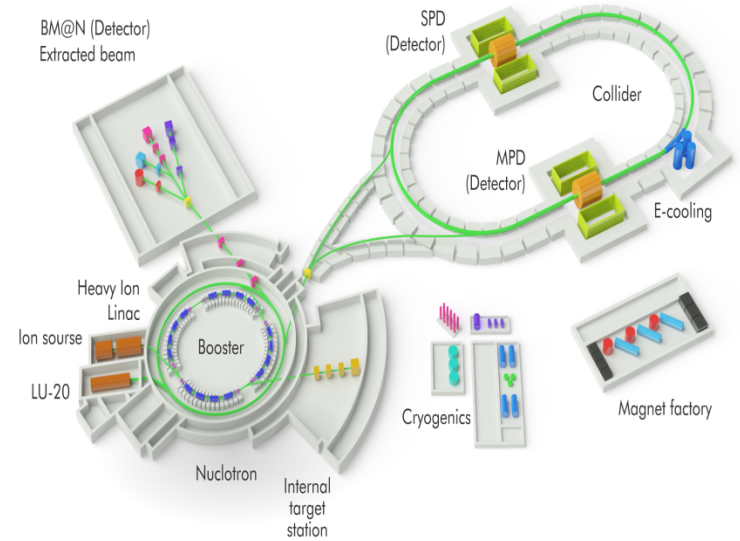
Project (Location)	Location/ Initiator	Funding, billion RUB	Time of realization	The decision
High flux research reactor, PIK complex (Gatchina)	NRC "Kurchatov institute"	~ 60 (in the prices of 2015)	2011-2022	Government order into execution the indication of the President, 30 April 2013 № Pr-1012, Pr-1015
Complex of Superconducting Rings for Heavy Ion Colliding Beams, NICA complex (Dubna)	JINR	17,5 (in the prices of 2013)	2014-2020	Governmental directive, 27 April 2016 № 783-p
Tokamak "Ignitor" (Troitsk)	NRC "Kurchatov institute"	~ 25,1	2014-2024	Government order into execution the indication of the President, 14 January 2014 г. № Pr-35
eXawatt Center for Extreme Light Studies - XCELS (N. Novgorod)	RAS, Institute of applied physics RAS	~ 15	2014-2023	N.D.
Electron-Positron Collider - Super-Tau- Charm Factory (Novosibirsk)	Budker institute of nuclear physics	17,9 (in the prices of 2011)	2017-2024	N.D.
Special Synchrotron Radiation Source of the 4th generation - SSRS-4 (Protvino)	NRC "Kurchatov institute"	60	2017-2027	Government order into execution the indication of the President, 8 February 2018 № Pr-656



Development of advanced research infrastructure in the Russian Federation



INTERNATIONAL CENTER FOR NEUTRON RESEARCH AT THE PIK RESEARCH REACTOR COMPLEX



COMPLEX OF SUPERCONDUCTING RINGS WITH COLLIDING BEAMS OF HEAVY IONS (NICA COMPLEX)



Thank You for attention!