



NRC «Kurchatov Institute» Mega-Science projects

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European XFEL, NRC “Kurchatov Institute”

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International Megascience projects on the territory of European Union

European Organization
for Nuclear Research
CERN



International
Thermonuclear
Experimental Reactor
ITER



Facility for Antiproton and
Ion Research in Europe
FAIR



European X-ray Free
Electron Laser **XFEL**



European Synchrotron
Radiation Facility **ESRF**



International Megascience projects on the territory of the Russian Federation

International Centre for Neutron
Research (**ICNR**) on the basis of
reactor **PIK**, NRC KI



Specialized synchrotron
radiation source of the 4th
generation **SSRS-4**, NRC KI



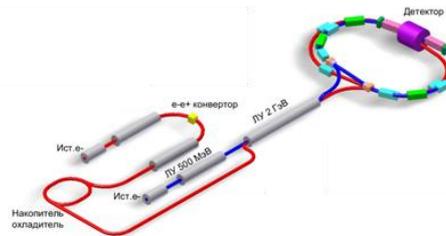
Project of Russian-Italian
tokamak **IGNITOR**, NRC KI



Nuclotron-based Ion
Collider Facility **NICA**,
JINR



Super Charm/Tau factory,
Super C-tau, BINP



Exawatt Center for Extreme Light
Studies, **XCELS**, IAP



The Russian-German Ioffe-Roentgen Institute



On 23th of May 2011 Minister of Education and Science of Russia A.A. Fursenko and Minister of Education and Research of Germany A. Schavan signed an Agreement to establish the joint Ioffe-Röntgen Institute.

The Agreement for the establishment of the Ioffe-Roentgen Institute between NRC KI and DESY was signed in Moscow on 17 April 2012 by Prof. M.V. Kovalchuk and Prof. H. Dosch.

Ioffe-Röntgen Institute was founded in the framework of cooperation between DESY and NRC «Kurchatov Institute» as a common platform for strengthening of cooperation in science, education and technological development: **development of new large-scale research infrastructure**, including the construction on the territory of Russian Federation of 4th generation synchrotron radiation source (SSRS-4) as well as experimental stations on existing large-scale research infrastructure in both countries.

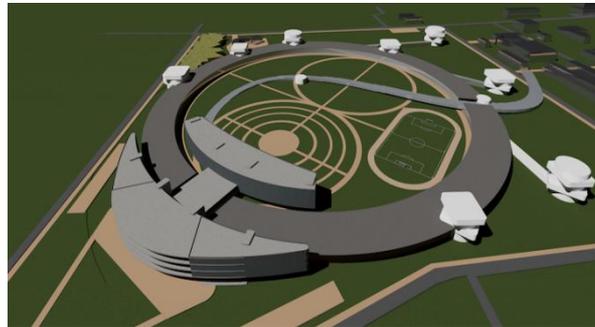


Connecting Russian and European measures for Large-scale research infrastructure – CREMLIN

The main purpose of CREMLIN is the development of scientific cooperation between the Russian Federation and the European Union in the field of development and scientific use of large-scale research infrastructure in the framework of Horizon 2020 program.



Proposal CREMLIN includes six Mega-science projects of the Russian Federation (three NRC «Kurchatov Institute» projects: PIK, SSRS-4, IGNITOR).



In May, 2015 NRC «Kurchatov Institute» signed the Consortium Agreement and Grant Agreement for the CREMLIN project realization! The CREMLIN project has been successfully finished on 31 August, 2018. Now the follow-up CREMLIN+ project application is under preparation.