

The Joint Committee for CERN-JINR Scientific Cooperation

Status of CERN – JINR Protocols and Addenda

Vladimir Karjavine, JINR

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- The goal is to look over JINR-CERN contractual documents (MoU's, protocols, addendums), in order to check status and give recommendation for termination, prolongation or updating of the documents.

- Table includes **recent** contractual documents for collaboration and common developments in the following areas:
 - LHC experiments.
 - Information technologies.
 - Detectors and read-out electronics.
 - Accelerator physics and technology. Design and construction of magnets.

Status of CERN – JINR Contractual Documents

Document #	Date	Type	Parent document	Title / content	Status	Contact person CERN	Contact person JINR	Decision Continue/ Close
CERN/P123	2015	Protocol	Cooperation Agreement concerning Scientific and technical co-operation in high energy physics	Participation by JINR in Large Hadron Collider project (LHC)	Active	DG CERN	JINR director	Continue
Addendum P123/A1	2016	Addendum	Protocol CERN/P123	Collaboration in the design, manufacture and assembly of the Precision Laser Inclinometer to monitor ground angular oscillations during the LHC operations with the aim of studying their effects on the luminosity for the HL LHC beam delivered to the ATLAS experiment	Completed	B. Girilamo	J. Budagov	Prolonged
Amendment to addendum P123/A1	2017	Amendment to addendum	Addendum P123/A1	Collaboration in the design, manufacture and assembly of the Precision Laser Inclinometer to monitor ground angular oscillations during the LHC operations with the aim of studying their effects on the luminosity for the HL LHC beam delivered to the ATLAS experiment	Active	B. Girilamo	J. Budagov	Continue
CERN/P124	2015	Protocol	Cooperation Agreement concerning Scientific and technical co-operation in high energy physics	Collaboration and common developments in the area of neutrino physics and technology and related fields	Active	M, Nessi	N. Rusakovich	Continue
P075/LHC	2005	Protocol	1992 co-operation agreement	Collaboration on information technologies (IT) in LHC Era	Active	E. Elsen	V. Korenkov	Continue
CERN-P115	2014	Protocol	Cooperation Agreement concerning Scientific and technical co-operation in high energy physics	Collaboration and common developments in the area of controls and related software activities for accelerators	Completed	M. Draper	V. Korenkov	To close

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Addendum P115/A.1	2015	Addendum	Protocol CERN-P115	Collaboration in the development of "Plan version2", CERN planning tool for long shutdowns	Completed	D. Mathieson	V. Korenkov	To close
Addendum P115/A.2	2016	Addendum	Protocol CERN-P115	Collaboration in software development for administrative applications	Active	D. Mathieson	V. Korenkov	Continue
MoU-CERN-JINR_24OCT2012	2012	MOU	CERN/LHCC_2005-006 P064/LHC July 2003	Collaboration in the Deployment and Exploration of the World Wide LHC Computing GRID (WLCG)	Active	I. Bird	V. Korenkov	Continue
CERN-P100 *)	2010	Protocol	Cooperation Agreement concerning Scientific and technical co-operation in high energy physics	The Joint Development of computer programmes for JINR's administrative and financial activities. (Software, AIS, EVM for NICA)	Applied successfully	D. Mathieson	N. Rusakovich V. Korenkov	Update
CERN/PXXX	2017	Protocol	<i>Cooperation Agreement concerning Scientific and technical co-operation in high energy physics</i>	<i>Production of the Gas Electron Multiplier (GEM) detectors for the Baryonic Matter experiment (BM@N) at Nuclotron, JINR.</i>	<i>active</i>	<i>Rui de Oliveira</i>	<i>V. Karjavine M. Kapishin</i>	<i>In preparation</i>
MoU	2016			Production of Carbon Fiber Spaceframe for NICA	active	L. Mussa	Y. Murin	Continue
MoU	2017			Development of MAPC technology ALICE type ITS for MPD/NICA	In preparation	L. Mussa	Y. Murin	<i>In preparation</i>
CERN/Pxxx	2017	Protocol	<i>Cooperation Agreement concerning Scientific and technical co-operation in high energy physics</i>	Development of read-out electronics for TPC MPD/NICA (SAMPA chip)	<i>In preparation</i>	<i>A. Kluge</i>	<i>S. Movchan, V. Golovatyuk</i>	<i>In preparation</i>
CERN-P101	2010	Protocol	Cooperation Agreement concerning Scientific and technical co-operation in high energy physics	Collaboration and common developments in the area of accelerator physics and technology as well as related fields. New title: Problems of particle dynamics in ion (proton) colliders	Completed	F. Kaspers	I. Meshkov	Update

CERN-MoU-2016-017	2016	MoU		Collaboration in the measure and mapping of the magnetic field of the superconducting solenoid for the Multi-Purpose Detector (MPD) experiment at the NICA collider.	Active Adapting to a protocol form		A. Vodopyanov	Continue Adapting to a protocol form
P101/TE-A4	2016	Addendum	Protocol CERN-P101	Scientific collaboration for design and construction of magnets for the CERN accelerator complex	Active	D. Tommasini	G. Shirkov V. Karjavine	Continue
MoU Future Circular Collider	2014	MoU		For the Future Circular Collider (FCC) study hosted by CERN,	Active	M. Benedict	A. Kovalenko	Continue

**) Documents highlighted in green are concerning cooperation in the area of the NICA accelerator complex.*