Workshop on Perspectives for Joint Science and Academic Training at FAIR and NICA

Wednesday 16 November 2016 - Wednesday 16 November 2016

GSI Darmstadt

Programme

Table of contents

Wednesday 16 November 2016 1

Future perspectives of research and training in Europe 1

The scientific and technological challenge 1

University involvement in FAIR and NICA - new opportunities for young researchers and for furthering international partnership 1

Conference Photo 1

Joint research & development for FAIR and NICA - Some examples 1

Concluding remarks 2

Wednesday 16 November 2016

Future perspectives of research and training in Europe - Lecture Hall (KBW) (09:30-10:45)

- Conveners: Langanke, Karlheinz

time	[id] title	presenter
09:30	[0] Chances of international cooperation	VIERKORN-RUDOLPH, B.
09:55	[1] FAIR as center for international cooperation	SHARKOV, B.
10:20	[2] 60 years of international cooperation and education - lessons learnt	MATVEEV, V.

The scientific and technological challenge - Lecture Hall (KBW) (11:05-13:00)

- Conveners: Langanke, Karlheinz

time	[id] title	presenter
11:05	[5] Nuclear and quark matter - exploring the QCD phase diagram	FRIMAN, B.
11:30	[6] The Compressed Baryonic Matter experiment @ FAIR	HERRMANN, N.
11:55	[7] The heavy ion collider experiment @ NICA	KEKELIDZE, V.
12:25	[8] Jointly solving accelerator technology challenges at NICA and FAIR	TRUBNIKOV, G.

University involvement in FAIR and NICA - new opportunities for young researchers and for furthering international partnership - Lecture Hall (KBW) (14:00-16:00)

- Conveners: Sharkov, Boris

time	[id] title	presenter
14:00	[9] HGS-HIRe for FAIR - graduate school for PhD students working at FAIR	BURAU, G.
14:25	[10] JINR programs on academic training	PAKULYAK, S.
14:50	[11] From summer student to professor - a German-Russian career	LITVINOV, Y.
15:15	[23] Joint developments for FAIR and NICA supported within the “CREMLIN” EU project for science cooperation between the Russian megascience facilities and European RIs	ESCHKE, J.
15:30	[12] Systematic QA procedures for silicon micro-strip sensors used in CBM	TEKLISHYN, M.
15:45	[13] Stochastic cooling for NICA collider	GORELYSHEV, I.

Conference Photo - Lecture Hall (KBW) (16:00-16:10)

- Presenters: OTTO, G.

Joint research & development for FAIR and NICA - Some examples - Lecture Hall (KBW) (16:30-18:45)

- Conveners: Sharkov, Boris

time	[id] title	presenter
16:30	[15] Exploring QED in strong fields at FAIR & NICA	GUMBERIDZE, A.
16:45	[20] Development of models and physics analysis	VORONYUK, V.
17:00	[16] High performance and scientific computing for FAIR	KOLLEGGER, Th.
17:15	[19] MPDRoot, BMNRoot	GERZENBERGER, K.

17:30	Break	
17:45	[14] Beam optics and optimization of Super-FRS	KAZANTSEVA, E.
18:00	[18] NICA Cryogenics	EMELYANOV, N.
18:15	[17] Injection facility in the NICA project	LEVTEROV, K.
18:30	[21] Results of 12-years GSI-JINR cooperation in development of large-area fast Si tracking systems for experiments at FAIR and NICA facilities	DEMENTYEV, D.

Concluding remarks - Lecture Hall (KBW) (18:45-19:00)

- **Presenters: VIERKORN-RUDOLPH, B.**