Schedule[i]

Conference-school in frame of MMCP2017

3-7 July 2017

<u>Monday: July **3**, 2017</u>

9.00 – 10.00	Registration for School MMCP'2017
10.00 – 13.00	Plenary talks at MMCP. LIT, Conference Hall
13.00 – 14.30	Lunch
14.30 – 16.00	Lecture and Practical training: The particle physics data processing using of scientific software framework *ROOT(PyROOT)* (Dr. *N.A. Huseynov, DLNP JINR*) LIT, room 407
16.00 – 16.30	Coffee
16.30 – 18.00	**Lecture and Practical training:** The particle physics data processing using of scientific software framework *ROOT(PyROOT)* (Dr. *N.A. Huseynov, DLNP JINR*) LIT, room 407
18.00– 19.00	Poster session
19.00	Welcome Party

<u>Tuesday: July **4**, 2017</u>

09.00 – 10:00	Intel® architecture and technologies for High Performance Computing (Dr. Mester Nikolay, Intel Corp.) LIT, room 407
13.00 – 14.30	Lunch
14.30 – 16.00	**Lecture:** Introduction to the Geant4 simulation toolkit (*A.S. Zhemchugov, DLNP JINR*). LIT, room 407
16.00 – 16.30	Coffee

16.30 – 19.00	**Lecture and Practical training:**
	Introduction to the Geant4 simulation toolkit
	(*A.S. Zhemchugov, DLNP JINR*).
	LIT, room 407

Wednesday: July **5**, 2017

9.00 – 10.00	**Lecture:**
	Heavy Ion Collisions and Relativistic Hydrodynamics.
	(Professor Yu.L. Kalinovsky, *LIT JINR*)
	LIT, room 407
13.00	**Boat and Picnic Party**

Thursday: July **6**, 2017

09:00 – 11:00	**Lecture:**
	Parallel Programming Technologies for Applied Problems Solution
	(Dr. D.V. Podgainy, Dr. O.I. Streltsova, M.I. Zuev, LIT JINR)
	LIT, room 407
13.00 – 14.30	Lunch
14.30 – 15.30	**Lecture:**
	Mathematical modeling in radiation biophysics: DNA damage and repair.
	(Dr. Oleg Belov, *LRB JINR*).
	LIT, room 407
16.00 – 16.30	Coffee
16.30 – 19.00	**Lecture and Practical training:**
	Simulation of radiation transport in biomolecules and cells with Geant4-DNA.
	(*Dr. Munkhbaatar Batmunkh, Dr. Oleg Belov, LRB JINR*).
	LIT, room 407

Friday: July **7**, 2017

13.00 – 14.00	**Lecture and Practical training:** MpdRoot: framework for data processing of the MPD experiment at NICA. (Dr. K. Gertsenberger, *VBLHEPH JINR*). LIT, room 407
14.00 – 14.30	**Practical training:** Simulation and reconstruction of MPD events in MpdRoot. (Dr. K. Gertsenberger, *VBLHEPH JINR*). LIT, room 407
14.30 – 15.00	Coffee
15.00 – 17.30	**Practical training:** Simulation and reconstruction of MPD events in MpdRoot. (Dr. K. Gertsenberger, *VBLHEPH JINR*). LIT, room 407

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[i] Practical trainings are held on the Heterogeneous cluster «HybriLIT» of JINR Multipurpose Center for Data Storage, Processing and Analysis.