

CREMLINplus Task 7.4: School for young scientists

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@ CREMLINplus WP7 Kick-off meeting
September 4, 2020

Task 7.4: School for young scientists on particle detection technologies

Task 7.4: Training and school for young scientists on particle detection technologies (BINP, CERN) M6-M18

An important result from the development and construction activities within WP7 is the training the next generation of particle and neutron detector experts in Russia but also at the involved European institutes. Skills will be passed between institutes involved in WP7 and WP5, which is invaluable experience for all involved and allows cross-over between the disciplines (e.g. with high energy nuclear detector physics, WP2 NICA).

Attracting and training young scientists in Russia for future experiments (at SCT or elsewhere) is a key objective for future research facilities. To this aim a school for young Russian scientists on particle detection technologies will be held at BINP. Young researchers will be trained in a variety of state-of-the-art particle detector technologies and related specialisations (on-detector electronics, data transmission, engineering aspects). The school will also include hands-on exercises on a variety of detector technologies. A patronage arrangement with the international European Committee for Future Accelerators (ECFA) Detector Panel will be negotiated.

Del. no.	Deliverable name	WP no.	Short name of lead participant	Type	Dissemination level	Delivery date
D7.2	School for young scientists on particle detection technologies	7	BINP	R	PU	M18 July 2021

Input from the meeting on detector school

20/02/2020 at DESY

Meeting page: <https://indico.cern.ch/event/940926/>

- List of interested institutions: **BINP (host)**, CERN, JINR, GSI, ESS, INFN
- Subject coverage:
 - Ion/nuclear physics
 - Particle physics
 - Neutron physics
- Audience: master and PhD students, young scientists
- Duration: 10 days
- Target date: March 2020 (probably will be delayed due to COVID-19)

Progress since February meeting

Gathering confirmations on participation and nominating representatives to constitute the international organizing committee (IOC):

BINP – Sergey Kononov, CERN – Dominik Dannheim, Lucie Linssen, GSI – Christian Schmidt, JLU Giessen – Mustafa Schmidt, ESS – Richard Hall-Wilton (?), INFN Bari – Nicola De Filippis, INFN Lecce – Franco Grancagnolo, JINR – Sergey Kulikov (?).

First IOC meeting is planned in mid-September (exact date TBD).

Local organizing committee at BINP is nearly formed and will gather next week for the first time.

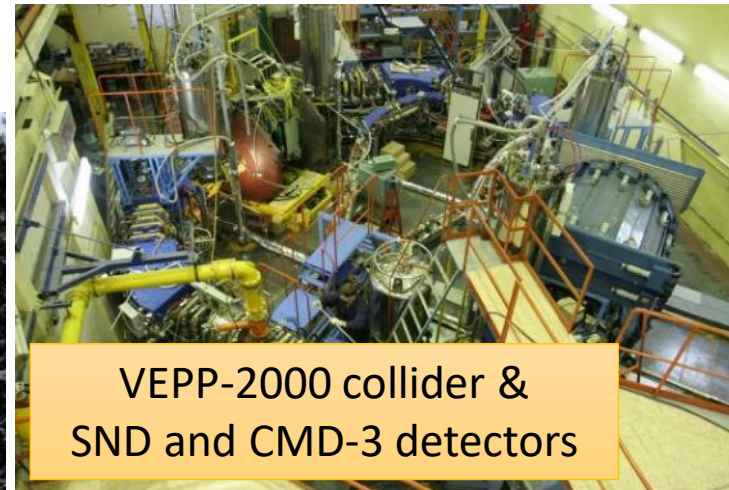
Funds for the school from CREMLINplus grant were transferred to BINP.

Plans

- Hold LOC and IOC meetings and make them regular
- Gather ideas for the school
- Define max number of participants
- Determine the scope and format
- Define the date
- Find lecturers
- Set up a website, Indico
- Announce and advertise
- Organise admission
- ...

Host lab: Budker Institute of Nuclear Physics Novosibirsk, Russia

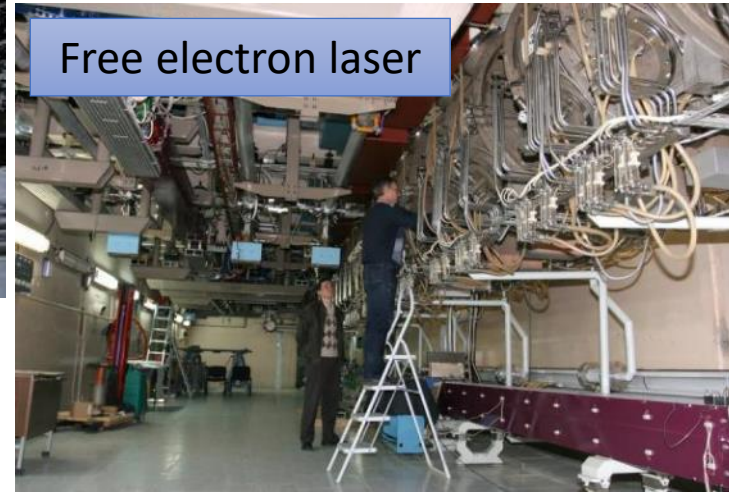
Some BINP installations



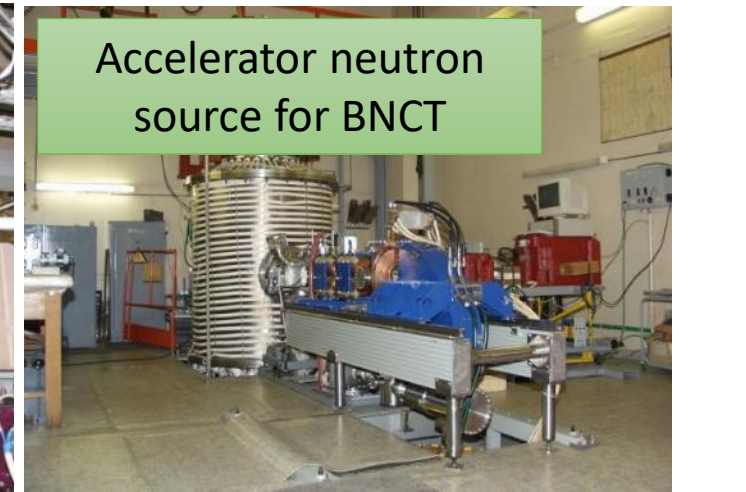
VEPP-2000 collider &
SND and CMD-3 detectors



VEPP4-M collider &
KEDR detector



Free electron laser



Accelerator neutron
source for BNCT