

**Preliminary Agenda of Workshop**  
**"Advanced ideas and experiments for the new Dubna Neutron Source (DNS-IV).**  
**The related moderators and infrastructure":**

**6 December** International Conference Hall (56.747728, 37.185800)

**8:00 – 8:50 Breakfast for guests in Dubna Hotel**

1.	9:30 – 10:00	<b>Viktor Aksenov</b> “DNS-IV project.Present status and trends”	30 min
2.	10:05 – 10:30	<b>Eugeny Shabalin</b> “Highly intense pulsed neutron source NEPTUN”	25 min
3.	10:35 – 11:00	<b>Yuri Pepelyshev</b> “High-flux pulsed neutron source driven by a proton accelerator for beam research”	25 min
4.	11:05 – 11:30	<b>Alexander Ioffe</b> “From neutron source to neutron instruments: neutronics for the DNS-IV”	25 min

**11:35 – 12:00 Coffee**

5.	12:00 – 12:25	<b>Ken Andersen</b> “Possible idea for the DNS-IV moderators and beam extraction, inspired by the ESS design”	25 min
6.	12:30 – 12:55	<b>Anatoly Balagurov</b> “Neutron diffraction at DNS-IV”	25 min
7.	13:00 – 13:25	<b>Mikhail Avdeev</b> “Small angle neutron scattering at DNS-IV”	25 min

**13:30 – 13:40 Meeting Photo**

**13:40 – 15:00 Lunch**

8.	15:00 – 15:25	<b>Viktor Bodnarchuk</b> “Neutron reflectometry at DNS-IV”	25 min
9.	15:30 – 15:55	<b>Eugene Goremychkin</b> “Inelastic neutron scattering at DNS-IV”	25 min
10.	16:00 – 16:25	<b>Sergey Kichanov</b> “Prospects and requirements for the neutron radiography method on DNS-IV neutron source”	25 min

**16:30 – 17:00 Coffee**

11.	17:00 – 17:30	<b>Walter Furman</b> “The status of development and creation of promising ADS.”	30 min
12.	17:35 – 18:00	<b>Yuri Pokotilovski</b> “VCN as perspective tool for fundamental research and research by neutron scattering”	25 min

**19:00 – Banquet in Dubna Hotel**

**7 December** International Conference Hall (56.747728, 37.185800)

**8:00 – 8:50 Breakfast for guests in Dubna Hotel**

13.	9:00 – 9:25	<b>Valery Nesvizhevsky</b> “Experiments on the vertical neutron channel”	25 min
14.	9:30 – 9:55	<b>Egor Lychagin</b> “Possible UCN source at DNS-IV”	25 min
15.	10:00 – 10:25	<b>Marina Frontasyeva, Vladimir Kolotov</b> “Neutron activation analysis in mid-21st century at DNS-IV of FLNP JINR”	25 min
16.	10:30 – 10:55	<b>Valery Fedorov</b> “Storage modification of the crystal-diffraction nEDM experiment”	25 min

**11:00 – 11:20 Coffee**

17.	11:20 – 11:45	<b>Wojciech Krolas</b> “DONES - a fusion-line neutron source laboratory for the European fusion program”	25 min
18.	11:50 – 12:15	<b>Jiri Kulda</b> “ILL upgrade programs and lessons to be drawn from them”	25 min
19.	12:20 – 12:45	<b>Victor Duginov</b> “Muon physics at proton accelerator”	25 min
20.	12:50 – 13:15	<b>Sergei Rakitianski</b> “Nuclear fusion induced by a neutron flux in a crystal”	25 min

**13:20 – 14:40 Lunch**

21.	14:40 - 15:05	<b>Andrey Popeko</b> “Exotic nuclei”	25 min
22.	15:10 - 15:35	<b>Vladimir Panteleev</b> “The project of a mass separator laser complex IRINA at the PIK reactor”	25 min
23.	15:40 – 16:05	<b>Nikolay Aksenov</b> “Protons and neutrons in nuclear medicine”	25 min
23.	16:10 – 16:35	<b>Vladimir Skuratov</b> “Radiation material science. Neutrons vs heavy ions”	25 min

**16:40 – 17:00 Coffee**

24.	17:00 – 17:50	<b>Common discussion. Formulation of recommendations for the FLNP Directorate.</b>	50 min
25.	17:50 – 18:00	<b>Valery Shvetsov</b> Closing of meeting	10 min