

Timetable of

41ST EUROPEAN CYCLOTRON PROGRESS MEETING

Sunday, 2 September 2018

18:00 – 21:00 **Registration (Hotel Dubna)**

Monday, 3 September 2018

08:30 – 09:30 **Registration (International Conference Hall)**

09:30 Welcome Addresses

09:50 – 10:55 **Session 1**

09:50 “Heavy Ions make Super Heavy Elements” (35+5)’

Speaker: Yuri Oganessian (JINR-FLNR, Russia)

10:30 “The new DC-280 cyclotron: status and perspectives” 25’

Speaker: Igor Kalagin (JINR- FLNR, Russia)

10:55 – 11:30 **Coffee break**

11:30 – 13:10 **Session 2**

11:30 “Status of the JYFL cyclotrons” 25’

Speaker: Pauli Heikkinen (University of Jyväskylä, Finland)

11:55 “New SPIRAL-1 Facility and SPIRAL-2 results at GANIL” 25’

Speaker: Alain Savalle (CNRS-GANIL, France)

12:20 “Status of the UCL heavy ion facility for radiation hardness tests of electronic components” 25’

Speaker: Marc Loiselet (UC-Louvain, Centre de Ressources du Cyclotron)

12:45 “Heavy Ion Laboratory, University of Warsaw - development of experimental set-ups connected to the cyclotrons” 25’

Speaker: Jarosław Choiński (Heavy Ion Laboratory, University of Warsaw)

13:10 – 14:30 **Lunch (Restaurant, Hotel Dubna)**

14:30 – 16:25 **Session 3**

14:30 “Accelerator driven pulsed reactors” (35+5)’

Speaker: Victor Aksenov (JINR-FLNP)

15:10 “JULIC status and irradiation program” 25’

Speaker: Olaf Felden (Forschungszentrum Jülich GmbH, Germany)

15:35 “Final design of the helium free superconducting magnet for the LOTUS project” 25’

Speaker: William Beekman (SIGMAPHI S.A.)

16:00 “Computational technology to predict thermalhydraulic behaviour of superconducting magnets in large devices for experimental physics” 25’
Speaker: Nikolai Shatil (Efremov’s institute of Electrophysical Apparatus)

16:25 – 16:50 **Coffee break**

16:50 – 18:20 **Session 4**

16:50 “Perspectives for high power cyclotrons and their application” (35+5)’
Speaker: Luciano Calabretta (INFN - LNS)

17:30 “Status and perspective of high intensity proton beam facility at LNL” 25’
Speaker: Mario Maggiore (INFN - LNL)

17:55 “Fragment separator ACCULINNA-2 @ U400M cyclotron: status and plans ” 25’
Speaker: Andrey Fomichev (JINR - FLNR)

19:00 - ... **Welcome Reception (Restaurant, Hotel Dubna)**

Tuesday, 4 September 2018

10:00 – 11:30 **Session 5**

10:00 “Applications of cyclotrons in non-nuclear-physical fields” (35+5)’
Speaker: Yves Jongen (IBA, Belgium)

10:40 “Present Status of the SC202 Superconducting Cyclotron for Proton Therapy and Future Plans” 25’
Speaker: Oleg Karamyshev (JINR-DLNP)

11:05 “The DC130 project: dedicated applied science facility at FLNR accelerator complex” 25’
Speaker: Semyon Mitrofanov (JINR - FLNR)

11:30 – 11:55 **Coffee Break**

11:55 – 13:10 **Session 6**

11:55 “Velocity filter SHELS at the U400 FLNR cyclotron: performance and experimental results”
Speaker: Alexander Yereimin (JINR - FLNR)

12:20 “A new FRAGment Ion SEparator (FRAISE) for the INFN - LNS” 25’
Speaker: Luciano Calabretta (INFN - LNS)

12:45 “Beam lines for gas filled separator experiments at dc280 cyclotron” 25’
Speaker: Vladimir Kazacha (JINR – FLNR)

13:10 – 14:30 **Lunch (Restaurant, Hotel Dubna)**

14:30 – 16:00 **Session 7**

14:30 “History, Status and Future Perspectives of Proton Therapy Development at JINR” (35+5)’

Speaker: Grigori Shirkov (JINR)

15:10 “Development of compact 2.45 GHz ECR ion source for generation of singly charged ions” 25’

Speaker: Sergey Bogomolov (JINR – FLNR)

15:35 “Numerical simulations of ECRIS processes with different injected gases” 25’

Speaker: Vladimir Mironov (JINR – FLNR)

16:00 “Recent developments for cyclotron extraction foils at TRIUMF” 25’

Speaker: Yuri Bylinski (TRIUMF)

16:00 – 16:30 **Coffee break**

16:30 – 19:00 **Poster Session**

Wednesday, 5 September 2018

10:00 – 11:30 **Session 8**

10:00 “Heavy Ion Collider NICA” (35+5)’

Speaker: Anatoly Sidorin (?) (JINR - VBLHEP)

10:40 “SHE-factory: new facility for super heavy element research” 25’

Speaker: Andrey Popeko (JINR-FLNR)

11:05 Concluding Remarks

Speaker: Grigori Shirkov

11:25 – 11:45 **Coffee break**

12:00 – 14:00 Visit to Flerov Laboratory of Nuclear Reactions or
Visit to Veksler and Baldin Laboratory of High Energy Physics

14:30 – 20:00 **Boat trip on the river Volga, Conference dinner**