

## Tentative schedule

**August, 19**

9:00 – 9:45	Registration
9:45 – 10:00	Opening (V. Kurnaev)
<b>Section 1</b>	<b>Plasma surface interaction in fusion devices (Chair: A. Pisarev)</b>
10:00 – 10:40	Andrey Kuznetsov – Laser and Plasma technologies in MEPhI
10:40 – 11:20	Valery Kurnaev – Plasma Surface Interaction in Fusion Devices
11:20 – 11:40	<b>Coffee break</b>
11:40 – 12:20	Leon Begrambekov – Renewable coating – a way to prevent the destruction of plasma facing materials of fusion devices
12:20 – 13:00	Dmitry Borodin – Metal erosion at fusion-relevant plasma devices including JET ILW and extrapolation of the data for ITER
<b>13:00 – 14:00</b>	<b>Lunch</b>
<b>Section 2</b>	<b>Plasma surface interaction – lab scale (Chair: L. Begrambekov)</b>
14:00 – 14:40	Alexander Pisarev – Abnormal glow discharge and its application
14:40 – 15:20	Olga Ogorodnikova – Radiation damage in metals (basic knowledge and application to fusion)
15:20 – 15:40	<b>Coffee break</b>
15:40 – 16:20	Igor Vizgalov – Influence of secondary electron emission on plasma surface interaction
16:20 – 16:50	Evgeny Marenkov – The role of trapping in hydrogen transport in solids
16:50 – 17:20	Yury Gasparyan – Hydrogen co-deposition with metals in plasma discharge

**August, 20**

<b>Section 3</b>	<b>Ion surface interaction – fundamental (Chair: V. Kurnaev)</b>
10:00 – 11:00	Peter Sigmund – Landmarks in understanding sputtering
11:00 – 11:40	Johan Malherbe – Some main effects of ion bombardment on solids
11:40 – 12:00	<b>Coffee break</b>
12:00 – 12:40	Kai Nordlund – Insights to physics of sputtering and channeling effects learnt from molecular dynamic simulations
12:40 – 13:20	Jean-Marc Layet – Charge exchanges (negative ions formation) at surfaces in plasma conditions
<b>13:20-14:20</b>	<b>Lunch</b>
<b>Section 4</b>	<b>Modelling and Ion Beam Surface analysis (Chair:)</b>
14:20 – 15:00	Flyura Djurabekova – Atomistic simulations of impacts of energetic ion cluster on metal surfaces and surface modifications due to the impact
15:00 – 15:40	Srdjan Petrovic – MeV ion beam analysis
15:00 – 15:20	<b>Coffee break</b>
15:40 – 16:10	Konstantin Moshkunov – Mass-spectrometry of organic compounds: surface composition analysis by cluster ions
16:10 – 16:40	Alexander Zinoviev – The study of interatomic potentials
16:40 – 17:10	Platon Karaseov – Molecular effect in ion-beam irradiated semiconductors