



Семинар ЛФВЭ
Внеочередной.

Большой конференц-зал ЛФВЭ,
корпус 215

29 января 2013 г. 15.00.

Workshop on BM@N project.

1. Welcome.

V.D.Kekelidze.

2. Physics at Nuclotron and NICA energies

E.L.Bratkovskaya (FIAS, Frankfurt).

The heavy-ion physics program of the [BM@N](#) and MPD experiments at Nuclotron and NICA energies will provide the unique possibility to have a comprehensive study of different physical effects in collider and fixed target modes. The different observables related to the in-medium modification of hadron properties, enhancement of strangeness production, the formation of collective flow, electromagnetic radiation etc which can be measured in heavy ion collisions. The data analysis and associated problems are discussed on the basis of microscopic transport calculations that are in accordance with observations at AGS, SPS and RHIC energies.

3. Status of the MPD project.

V.I.Kolesnikov.

Current status of the MPD project is reported. An overview of the NICA heavy-ion program is given with an emphasis on the experimental strategy for the first 2 years of data taking. The progress in MPD physics simulation is reported and achievement in MPD prototyping shown.

4. Status of the BM@N project.

V.P.Ladygin.

The status of Baryonic Matter at Nuclotron project is reported. The results of the simulation, test beams and detector prototyping are discussed.