

First INTAS project meeting ‘Advanced beam dynamics for storage rings’

Kiev University 28.5-29.5.2004

Friday 28.5

- 8.45 Welcome
I. Kadenko, Kiev University
- 9.00 Beam dynamics for the international ‘FAIR’ project at GSI
O. Boine-Frankenheim, GSI
- 9.45 Status of the design work for the HESR
A. Lehrach, FZ Jülich
- 10.15 Coffee break
- 10.40 Electron cooling dynamics, IBS and simulation for RHIC
A. Fedotov, BNL
- 11.30 Electron cooling: Physics models and experimental verification
A. Sidorin, Dubna
- 12.00 Some peculiarities of electron cooling at low energy, results from HIMAC
I. Meshkov
- 12.45 Lunch break
- 14.00 Intrabeam scattering: ‘Detailed’ physics models and experimental verification
P. Zenkevich, ITEP
- 14.45 Scaling laws for equilibrium beam parameters in cooler rings
R. Hasse, GSI
- 15.15 Coffee break
- 15.45 Beam-target interaction in COSY
A. Lehrach
- 16.15 Beam-target interaction: Physics models
V. Ziemann
- 17.00-18.00 Open discussion

Saturday 29.5

- 8.45 Software development and modeling for nuclear physics applications
Igor Kadenko, Uni. Kiev

- 9.15 Software library issues
O. Boine-Frankenheim, GSI
- 10.00 Status and future plans for the BETACOOOL code
A. Smirnov, Dubna
- 10.30 Coffee break
- 11.00 The BOLIDE interface for numerical applications
G. Trubnikov, Dubna
- 11.20 Status and future plans for the PTARGET code
A. Dolinskii, GSI/Kiev
- 11.40 Experimental plans
V. Ziemann, Uppsala
- 12.30 Lunch break
- 13.40 Summary and work plan
O. Boine-Frankenheim
- 14.00 Distribution of the work within the teams
Team leaders
- 14.30-16.30 Discussions