

Scientific program

Scientific program of the School 2012

Particle physics

1. **Andrey Grozin (BINP, Novosibirsk)**
 - *Standard Model and effective theories*
2. **Igor Ivanov (Univ. Liege, Belgium)**
 - *Higgs models*
3. **Evgeny Akhmedov (MPI, Heidelberg, Germany)**
 - *Theory of neutrino oscillations*
4. **Dmitry Naumov (JINR, Dubna)**
 - *Status of neutrino physics*
5. **Oleg Smirnov (JINR, Dubna)**
 - *Low energy neutrinos*
6. **Fedor Simkovic (JINR, Dubna and Comenius Univ., Bratislava)**
 - *Neutrinoless double beta decay (theory)*
7. **Stefan Schoenert (TUM, Munich, Germany)**
 - *Neutrinoless double beta-decay (experiments)*
8. **Torsten Bringmann (Univ. Hamburg, Germany)**
 - *Indirect dark matter searches in the light of LHC*

Astrophysics and Cosmology

9. **Dmitry Gorbunov (INR, Moscow)**
 - *Cosmology*
10. **Peter Tinyakov (Brussels Univ., Belgium)**
 - *Cosmic Rays*
11. **Maxim Libanov (INR, Moscow)**
 - *Anisotropies of relic Universe, Inflation*
12. **Sergey Popov (SAI MSU, Moscow)**

- *Neutron stars*

13. **Rita Bernabei (Roma Univ. II, Italy)**

- *Direct dark matter search*

14. **Dieter Horns (Hamburg Univ., Germany)**

- *Indirect dark matter searches*

15. **Zurab Berezhiani (INFN, L'Aquila, Italy)**

- *Cosmology and mirror world*