



Helmholtz International Summer School - HISS  
Dubna International Advanced School of Theoretical Physics - DIAS TH

## INTERNATIONAL SCHOOL-WORKSHOP “CALCULATIONS FOR MODERN AND FUTURE COLLIDERS”

*July 23 - August 2, 2012, Dubna, Russia*

### TOPICS

- Precision theoretical calculations for experiments at LHC and other modern colliders
- Methods of multiloop calculations and resummation
- Computer codes for calculations in high energy physics
- Theoretical predictions beyond the Standard Model
- Physical program of future experiments in high energy physics

### LECTURERS

T. Hahn (Munich, Germany)  
J. Henn (Princeton, USA)  
F. Jegerlehner (Berlin & Zeuthen, Germany)  
V. Kim (St. Petersburg, Russia)  
S. Moch (Zeuthen, Germany)  
M. Muehlleitner (Karlsruhe, Germany)  
A. Nisati (Rome, Italy)  
G. Passarino (Torino, Italy)  
F. Piccinini (Pavia, Italy)  
S. Riemann (Zeuthen, Germany)

### CONTACTS

Dr. Andrej Arbuzov, [calc2012@theor.jinr.ru](mailto:calc2012@theor.jinr.ru)  
Visas, accommodation, transportation:  
Olga Matyukhina, [omatyukhina@jinr.ru](mailto:omatyukhina@jinr.ru)

<http://theor.jinr.ru/~calc2012>

### ORGANIZING COMMITTEE

D. Kazakov (JINR) – Chairman, T. Riemann (DESY, Zeuthen) – Co-Chairman, A. Arbuzov (JINR) – Sci Secretary, O. Matyukhina (JINR) – Secretary, D. Bardin (JINR), A. Bednyakov (JINR), A. Gladyshev (JINR), L. Kalinovskaya (JINR), S. Moch (DESY, Zeuthen), J. Schmelzer (JINR & Uni Rostock), I. Smirnova (JINR)

