School Agenda, 23-25 Sept.

TSU library (Chavchavadze 1), Maro Makashvili Auditorium (ground floor)

**23 September** (Monday)

08:40 Registration

09:10 Opening Ceremony (George Sharvashidze, Rector of TSU)

09:20 – 10:30 Mannel, "Probing the Standard Model with Flavour Physics".

10:30 - 11:00 *Coffee*

11:00 - 12:10 Guo, "QCD exotica".

12:10 -13:30 *Lunch*

13:30 -14:40 Luu, "Lattice methods for strongly interacting systems".

15:00 -16:10 Vainstein, "Hadrons in the muon anomalous magnetic moment".

16:10 -16:40 *Coffee*

16:40 -17:50 Meissner, "Chiral Perturbation Theory".

17:50 – 18:30 students talks*:

1. Maneh Avetisian, Tina Asatiani prize talks, "On Some Universal Features of Simple Lie Algebras".
2. Tamar Zakareishvili, Tina Asatiani prize talk, "Studies of the ATLAS hadronic calorimeter performance".

**24 September** (Tuesday)

09:20 – 10:30 Mannel, "Probing the Standard Model with Flavour Physics".

10:30 - 11:00 *Coffee*

11:00 - 12:10 Guo, "QCD exotica".

12:10 -13:30 *Lunch*

13:30 – 14:40 Luu, "Lattice methods for strongly interacting systems".

15:00 – 16:10 Meissner, "Chiral Perturbation Theory".

16:10 – 16:40 *Coffee*

16:40 – 17:40 students talks*:

1. Sakine Abbaspour , "Considering the interference effects for top quark decay, $t \rightarrow b + W^+/H^+(\rightarrow \tau + \nu\tau)$.
2. Mahdi Delpasand, "Gluon fragmentation function into triply heavy baryon in two approaches".
3. Revaz Beradze, "Gravitational waves from mirror world".

18:00 – 19:00 Achille Stocchi (LAL-Orsay and University Paris-Sud, France), "New multi-profile CNRS laboratory at Orsay" (room 107)

19:00 *Ala Furshet* (room 101)

**25 September** (Wednesday)
09:20 -10:30 Mannel, “Probing the Standard Model with Flavour Physics”.
10:30 - 11:00 *Coffee*
11:00 - 12:10 Guo, “QCD exotica”.
12:10 -13:30 *Lunch*
13:30 - 14:40 Luu, “Lattice methods for strongly interacting systems”.
15:00 - 15:30 *Coffee*

15:30 - 16:50 students talks*:

1. Mostafa Kabir, "Monte-Carlo method and codes for transporting particles and rays"
2. Gor Nikoghosyan, "Collective treatment of the Isovector and Isoscalar pair correlations. Pairing vibrations. Boson representation."
3. Alexander Gurchumelia, “Geometry of the non-compact G(2)”
4. Gogita Papalashvili, “KM3NeT/ORCA Performance for High Energy Neutrinos”,

**16:50** Closing session (ceremony of awarding school certificates)

*talk duration 20 min including discussions