

International School-Seminar Modern and Future Experiments at the LHC

Lectures:

- Review of Z' searches in ATLAS and CMS experiment
MAXIM TITOV, CEA/IRFU, Saclay, France
- New physics – where it could appear – inputs from the LHCb
SERGEY BARSUK, Laboratory of Linear Accelerator, Orsay, France
- First results on determination of Z – Z' mixing with ATLAS and CMS diboson production data at the LHC at 13 TeV and predictions for RUN II
ALEXANDER PANKOV, Gomel State Technical University, Gomel, Belarus
- Effective photon-gluon vertex and deviations of laser beams in quark-gluon plasma
VLADIMIR SKALOZUB, Dnipro National University, Dnipro, Ukraine

Talks:

- Optimal observables for Z' models in leptonic annihilation processes
ALEXEY GULOV, DNU, Ukraine
- Model-independent direct search for Z' boson at the LHC at 13 TeV
ALEXEY GULOV, ALEXANDER PANKOV, ALEXANDER PEVZNER, VLADIMIR SKALOZUB, DNU – GSTU, Ukraine – Belarus
- Spontaneous magnetization of quark-gluon plasma at the LHC
PAVLO MINAIEV, VLADIMIR SKALOZUB, DNU, Ukraine

Everyone is welcome!

March 2, 2018

10:00 – 17:00

DNU, the Palace of Students,
room 48

<http://theorph.dnu.dp.ua/science/conferences/lhc-school-2018>