Introduction A.Myagkov

Conferences 2010

- 35th International Conference on High Energy Physics, ICHEP 2010, July 22-28, Paris, France:L.Gladilin, "Identified particle production in inelastic pp events with the ATLAS detector" (on behalf of the ATLAS Collaboration), ATL-PHYS-SLIDE-2010-247. 2)
- International Workshop "First Results from the LHC and Their Physical Interpretation", IHEP-LHC-2010, October 19-21, Protvino, Russia:L.Gladilin, "Measurement of D-mesons production at LHC with ATLAS" (on behalf of the ATLAS Collaboration), ATL-PHYS-SLIDE-2010-247.
- LHC Workshop on "Charm and bottom quark production at the LHC", December 3rd, CERN:L.Gladilin, "ATLAS results on open heavy quark production" (on behalf of the ATLAS Collaboration)

Hadronic decays subgroup - convener L.K.Gladilin since February 2010

- IHEPLHC10 Conference about ATLAS Higgs Working Group achievements and perspectives, "SM Higgs boson searches in the early ATLAS data" Tsukerman for the ATLAS Collaboration (on behalf of Speakers Committee)
- editor of the H+2 jets section of ATLAS Conf NOTE about H-->WW searchesin 2010 data.
- member of editorial board for three CONF notes of Top Working Group

SM:

- UE in Z+jets (IHEP)
- + BEC , correlation at high multiplicity, ρ and φ mesons(JINR)
- Z->II γ (MEPhI)
- τ lifetime (BINP)
- Calibration of EMEC calorimeter with W and Z decays (BINP)
- Lambda production (PNPI)
- Electron identification (PNPI)

B-physics

- SINP MSU
- Inclusive D^(*) production
- Associated W and charm production
- Bs $\rightarrow \mu\mu$ sensitivity limit and new projections
- ► $B \pm \rightarrow J/\psi K \pm$ observation
- Inclusive and exclusive B-channel cross sections and lifetimes
- $Bc \rightarrow J/\psi \pi$ observation
- IHEP Bs study

Higgs

- Analysis of real data with dilepton trigger (mumu,emu and ee) to measure/check backgrounds to H-->WW-->II process and detailed data/MC comparison focusing on H-->WW-->IInunu searches (discovery or exclusion) (ITEP)
- pp->WH(bb) (JINR)
- Zbb as a background to Higgs boson (//NR)

Exotics

- Long lived double charged particles (MEPhI)
- Heavy graviton resonances in decays to an electron-positron pair (JINR)
- Z* (JINR,PNPI)
- Heavy neutrinos (BINP)

Heavy lons

- > Reconstruction in TRT for HI. J/ ψ and Y production in HI. (MEPhI)
- > J/ψ and Υ production in HI. (JINR)

Workshops

- > ATLAS Higgs workshop at JINR. May
- LHCIHEP workshop IHEP November
- Brainstorming workshop on applications from ATLAS using EU-funding for R&D-upgrades JINR