LHC Working Group on Forward Physics and Diffraction

Report of Contributions
News

Tuesday, 18 December 2018 09:00 (10 minutes)

Presenters: ROYON, Christophe (University of Kansas (US)); NEWMAN, Paul Richard (University of Birmingham (GB))
New results from TOTEM

Tuesday, 18 December 2018 09:10 (30 minutes)

Presenter: OSTERBERG, Kenneth (Helsinki Institute of Physics (FI))
News from the 900 GeV run from ALFA

Tuesday, 18 December 2018 09:40 (30 minutes)

Presenter: HILLER, Karlheinz (Deutsches Elektronen-Synchrotron (DE))
Discussion: ALFA and TOTEM results, AFP/PPS

Tuesday, 18 December 2018 11:30 (30 minutes)
The FASER project

Tuesday, 18 December 2018 13:30 (30 minutes)

Presenter: TROJANOWSKI, Sebastian (National Centre for Nuclear Research)
News from the Pb Pb run and future prospects for UPC from Alice

Tuesday, 18 December 2018 14:00 (30 minutes)

Presenter:  VILLALOBOS BAILLIE, Orlando (University of Birmingham (GB))
Rho and total cross section measurements from TOTEM

Tuesday, 18 December 2018 11:00 (15 minutes)

Presenter: KASPAR, Jan (Acad. of Sciences of the Czech Rep. (CZ))
AFP at ATLAS: experience from Run II

Tuesday, 18 December 2018 14:30 (30 minutes)

Presenter: TRZEBINSKI, Maciej (Polish Academy of Sciences (PL))
Photon collider search strategy for sleptons and dark matter at the LHC

Tuesday, 18 December 2018 15:30 (30 minutes)

Presenters: LIU, Jesse (University of Oxford); BERESFORD, Lydia Audrey (University of Oxford (GB))
Coffee break
Searching for DM with forward protons at the LHC

*Tuesday, 18 December 2018 16:00 (30 minutes)*

**Presenter:** KHOZE, Valery (University of Durham (GB))
Anomalous coupling studies and search for ALPs in pp, pA and AA collisions

*Tuesday, 18 December 2018 16:30 (30 minutes)*

**Presenter:** BALDENEGRO BARRERA, Cristian (The University of Kansas (US))
Anomalous coupling studies in HIN runs

Presenter:  SCHOEFFEL, Laurent Olivier (Université Paris-Saclay (FR))
Discussion: anomalous couplings, DM. future studies...

Tuesday, 18 December 2018 17:00 (30 minutes)
Machine constraints and optics for HL LHC

Wednesday, 19 December 2018 11:00 (30 minutes)

Presenter: DE MARIA, Riccardo (CERN)
Acceptance studies for tagging protons at HL LHC

*Wednesday, 19 December 2018 11:30 (30 minutes)*

**Presenter:** DEILE, Mario (CERN)
ATLAS prospects for forward physics at HL-LHC

Wednesday, 19 December 2018 12:00 (30 minutes)

Presenter: RIJSSENEEKB, Michael (Stony brook University (US))
Forward physics at HL LHC

Wednesday, 19 December 2018 14:30 (30 minutes)

Presenter: Dr HARLAND-LANG, Lucian (University of Oxford)
pO runs at the LHC

Wednesday, 19 December 2018 14:00 (30 minutes)

Presenters: Dr DEMBINSKI, Hans Peter (Max-Planck-Institute for Nuclear Physics, Heidelberg); UL-RICH, Ralf (KIT - Karlsruhe Institute of Technology (DE))
Discussion: HL LHC, inputs to LHCC

Wednesday, 19 December 2018 15:00 (40 minutes)
Baryon charge asymmetry at LHC, String Junction transfer in proton reactions and SJ torus as DM candidate

Wednesday, 19 December 2018 09:30 (30 minutes)

Presenter: PISKOUNOVA, Olga
New results in CMS using CASTOR

Wednesday, 19 December 2018 10:00 (30 minutes)

Presenter: VAN DE KLUNDERT, Merijn (Deutsches Elektronen-Synchrotron (DE))
Very forward jets and jet gap jets

Presenter: DEGANUTTI, Federico
The SAS@LHC project

Wednesday, 19 December 2018 16:10 (30 minutes)

Presenter: ALBROW, Michael (Fermi National Accelerator Lab. (US))
Discussion: future projects

Wednesday, 19 December 2018 16:40 (20 minutes)
Conclusion, next meeting

Wednesday, 19 December 2018 17:00 (15 minutes)

Presenters: ROYON, Christophe (University of Kansas (US)); NEWMAN, Paul Richard (University of Birmingham (GB))
On the Odderon and all that

Tuesday, 18 December 2018 10:10 (20 minutes)

Presenter: PETROV, Vladimir (Institute for High Energy Physics of NRC Kurchatov Institute (R))
PPS status

Tuesday, 18 December 2018 11:15 (15 minutes)

Presenter: AVATI, Valentina (AGH University of Science and Technology (PL))