

## LHCP Poster List - Alphabetical

55. Measurements of B lifetimes at LHCb

Presenter: Yasmine Ahmis - [yasmine.sara.amhis@cern.ch](mailto:yasmine.sara.amhis@cern.ch)

38. Performance of muon-based triggers at the CMS High Level Trigger

Presenter: Juliette Alimena (Brown Univ.) - [juliette.alimena@cern.ch](mailto:juliette.alimena@cern.ch)

4. The ATLAS Insertable B-Layer

Presenter: Steve Alkire - [alkire@cern.ch](mailto:alkire@cern.ch)

37. Search for invisible Higgs decays in the VBF channel

Presenter: Chayanit Asawatangtrakuldee (Peking Univ.) - [Chayanit.Asawatangtrakuldee@cern.ch](mailto:Chayanit.Asawatangtrakuldee@cern.ch)

48. Measurement of the production of W or Z bosons in association with top quark-antiquark pairs in proton-proton collisions at 8 TeV with CMS

Presenter: Lukas Baeni (ETH Zurich) [Selected, to be accepted] - [Lukas.Baeni@cern.ch](mailto:Lukas.Baeni@cern.ch)

60. The Influence of Strong Magnetic Fields in the QCD Phase Transition

Presenter: Marcus Benghi Pinto - [marcus.benghi@ufsc.br](mailto:marcus.benghi@ufsc.br)

56. Observation of photon polarization in  $B^\pm \rightarrow K^\pm \pi^\mp \pi^\pm \gamma$  decays

Presenter: Tom Blake - [thomas.blake@cern.ch](mailto:thomas.blake@cern.ch)

\*\*\*Dual Presenter 1\*\*\*

57. First evidence for the decay  $B_0^s \rightarrow \mu^+ \mu^-$

Presenter: Tom Blake - [thomas.blake@cern.ch](mailto:thomas.blake@cern.ch)

\*\*\*Dual Presenter 1\*\*\*

6. Measurement of the cross section of high transverse momentum vector bosons decaying into a single jet

Presenter: Chunhui Chen - [chunhui.chen@cern.ch](mailto:chunhui.chen@cern.ch)

33. Electroweak (VBF) production of a Z boson in association with forward/backward jets at CMS

Presenter: Tom Gustaaf M Cornelis (Universiteit Antwerpen) - [tom.cornelis@cern.ch](mailto:tom.cornelis@cern.ch)

\*\*\*Dual Presenter 2\*\*\*

34. Quark/gluon jet discrimination with CMS

Presenter: Tom Gustaaf M Cornelis (Universiteit Antwerpen) - [tom.cornelis@cern.ch](mailto:tom.cornelis@cern.ch)

\*\*\*Dual Presenter 2\*\*\*

14. The ATLAS Higgs Machine Learning Challenge

Presenter: Will Davey - [will.davey@cern.ch](mailto:will.davey@cern.ch)

42. Search for Dark Matter and Large Extra Dimensions in the photon + met final state  
Presenter: Zeynep Demiragli (Brown Univ.) - [zeynep.demiragli@cern.ch](mailto:zeynep.demiragli@cern.ch)  
\*\*\*Dual Presenter 3\*\*\*
43. Performance of e/gamma-based triggers at the CMS High Level Trigger  
Presenter: Zeynep Demiragli (Brown Univ.) - [zeynep.demiragli@cern.ch](mailto:zeynep.demiragli@cern.ch)  
\*\*\*Dual Presenter 3\*\*\*
53. Performance of b-tagging at CMS with pp collision data at  $\sqrt{s}=8$  TeV  
Presenter: Nitish Dhingra (Panjab Univ.) - [Nitish.Dhingra@cern.ch](mailto:Nitish.Dhingra@cern.ch)
29. Search for SUSY with the razor variables at CMS  
Presenter: Javier Mauricio Duarte (California Inst. of Tech.) - [javier.mauricio.duarte@cern.ch](mailto:javier.mauricio.duarte@cern.ch)
28. Recent results on the Higgs boson properties in the  $H \rightarrow ZZ \rightarrow 4l$  decay channel at CMS  
Presenter: Linda Finco (Univ. di Torino e Sez. dell'INFN) - [linda.finco@cern.ch](mailto:linda.finco@cern.ch)
1. Search for Supersymmetry in the 4-lepton final state with the ATLAS detector  
Presenter: Max Goblirsch - [Maximilian.Goblirsch-Kolb@cern.ch](mailto:Maximilian.Goblirsch-Kolb@cern.ch) \*\*\*Dual Presenter 4\*\*\*
27. Muon reconstruction efficiency, momentum scale and resolution in pp collisions at  $\sqrt{s}=8$  TeV  
Presenter: Max Goblirsch - [Maximilian.Goblirsch-Kolb@cern.ch](mailto:Maximilian.Goblirsch-Kolb@cern.ch) \*\*\*Dual Presenter 4\*\*\*
44. Performance of hadronic triggers at the CMS High Level Trigger  
Presenter: Valentina Gori (Univ. di Firenze e Sez. dell'INFN) - [valentina.gori@cern.ch](mailto:valentina.gori@cern.ch)
30. Measurement of VZ production cross sections in VZ to  $Vbb\bar{b}$  decay channels in pp collisions at 8 TeV from CMS  
Presenter: Philipp David Eller (ETH Zurich) - [philipp.eller@cern.ch](mailto:philipp.eller@cern.ch)  
Will be presented by Christophorus Grab (ETH Zurich) \*\*\*Dual Presenter 5\*\*\*
41. Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks  
Presenter: Christophorus Grab (ETH Zurich) - [grab@phys.ethz.ch](mailto:grab@phys.ethz.ch) \*\*\*Dual Presenter 5\*\*\*
22. Measurements of vector bosons plus jets production with the ATLAS detector  
Presenter: Jiri Hejbal - [jiri.hejbal@cern.ch](mailto:jiri.hejbal@cern.ch)
61. Strangeness production in near-side and away-side jets in pp collisions at ALICE using azimuthal correlations  
Presenter: Sandun Pahula Hewage - [sypahula@Central.UH.EDU](mailto:sypahula@Central.UH.EDU)
15. ATLAS upgrades for the next decades  
Presenter: Walter Hopkins - [walter.h.hopkins@gmail.com](mailto:walter.h.hopkins@gmail.com)
39. Search for the Standard Model Higgs Boson Decaying to  $\mu^+\mu^-$  in  $pp$  Collisions at  $\sqrt{s}=7$  and 8 TeV with the CMS Detector  
Presenter: Justin Hugon (Univ. of Florida) - [justin.lee.hugon@cern.ch](mailto:justin.lee.hugon@cern.ch)

62. Prediction of existence of neutral boson with spin 2 in mass range from zero to 160.77 GeV

Presenter - Vali Huseynov [vgusseinov@yahoo.com](mailto:vgusseinov@yahoo.com) \*\*\* Triple Presenters 6\*\*\*

63. In what condition can the 125 GeV Higgs boson decay to a pair of on-shell W-bosons?

Presenters - Rasmiyya Gasimova [gasimovar@yahoo.co.uk](mailto:gasimovar@yahoo.co.uk)

Vali Huseynov [vgusseinov@yahoo.com](mailto:vgusseinov@yahoo.com) \*\*\* Triple Presenters 6\*\*\*

64. Possible existence of neutral bosons with spins 0 and 2 in the mass range from 160.77 GeV to 227.36 GeV

Presenters - Rasmiyya Gasimova [gasimovar@yahoo.co.uk](mailto:gasimovar@yahoo.co.uk)

Vali Huseynov [vgusseinov@yahoo.com](mailto:vgusseinov@yahoo.com) \*\*\* Triple Presenters 6\*\*\*

3. Search for the Production of a Standard Model Higgs Boson produced in association with a Vector Boson and decaying to a pair of b-quarks

Presenter: Matthew Jackson - [matthew.jackson@cern.ch](mailto:matthew.jackson@cern.ch)

31. Measurement of electroweak vector boson productions in pp collision at CMS detector, LHC.

Presenter: Ajay Kumar (Univ. of Delhi) - [a.kumar@cern.ch](mailto:a.kumar@cern.ch)

45. SiPM Operational Experience in Outer HCAL in CMS

Presenter: Andreas Kunsken (RWTH, III. Physik. Inst. B) - [andreas.kunsken@cern.ch](mailto:andreas.kunsken@cern.ch)

54. Quarkonia production in p-Pb collision at LHCb

Presenter: Yiming Li [yiming.li@cern.ch](mailto:yiming.li@cern.ch)

23. Electroweak production of  $W^\pm W^\pm jj$  with the ATLAS detector

Presenter: Lulu Liu - [liululu@umich.edu](mailto:liululu@umich.edu)

35. Search for invisible Higgs decays in the associated ZH production modes with Z decays to a pair of bottom quarks in 8 TeV pp collisions at CMS

Presenter: Jia Fu Low (Univ. of Florida) - [jia.fu.low@cern.ch](mailto:jia.fu.low@cern.ch)

49. Search for new physics using events with two same-sign isolated leptons in the final state

Presenter: Santiago Folgueras (Universidad de Oviedo) - [Santiago.Folgueras@cern.ch](mailto:Santiago.Folgueras@cern.ch)

Will be presented by Boris Mangano (ETH Zurich) - [Boris.Mangano@cern.ch](mailto:Boris.Mangano@cern.ch)

2. Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using 20.3 fb<sup>-1</sup> of  $\sqrt{s} = 8$  TeV proton-proton collision data

Presenter: Marija Marjanovic - [Marija.Marjanovic@cern.ch](mailto:Marija.Marjanovic@cern.ch)

21. The Top Quark Charge Asymmetry using 4.7/fb at  $\sqrt{s} = 7$  TeV with the ATLAS Detector

Presenter: Daniel Marley - [daniel.edison.marley@cern.ch](mailto:daniel.edison.marley@cern.ch)

13. The upgrade of the ATLAS Tile Calorimeter readout electronics

Presenter: Sam Meehan - [samuel.meehan@cern.ch](mailto:samuel.meehan@cern.ch)

32. Missing transverse energy significance at CMS

Presenter: Nathan Mirman (Cornell University) - [nathan.mirman@cern.ch](mailto:nathan.mirman@cern.ch)

18. Performance of jet charge in ATLAS

Presenter: Ben Nachman - [benjamin.philip.nachman@cern.ch](mailto:benjamin.philip.nachman@cern.ch)

36. Measurement of the top Mass in the dilepton channel with the CMS experiment at the LHC

Presenter: Richard Aaron Nally (Brown Univ.) - [richard.aaron.nally@cern.ch](mailto:richard.aaron.nally@cern.ch)

5. Anomalous Quartic Gauge Boson Couplings Studies at ATLAS

Presenter: Duong Nguyen - [nhduongvn1@gmail.com](mailto:nhduongvn1@gmail.com)

59. Basics of Moving Science Data

Presenter: Mike O'Connor - [moc@bnl.gov](mailto:moc@bnl.gov)

40. Measurement of the ZZ production cross section in the  $2l2\nu$  decay channel and limits on anomalous triple gauge couplings

Presenter: Luca Pernie (Univ. Libre de Bruxelles) - [luca.pernie@cern.ch](mailto:luca.pernie@cern.ch)

46. Measurement of differential isolated diphoton production cross section at CMS

Presenter: Marco Peruzzi (ETH Zurich) - [Marco.Peruzzi@cern.ch](mailto:Marco.Peruzzi@cern.ch)

52. Search for Standard Model Higgs boson decaying to  $\gamma^*\gamma \rightarrow \mu\mu\gamma$

Presenter: Andrey Pozdnyakov (Northwestern Univ.) - [Andrey.Pozdnyakov@cern.ch](mailto:Andrey.Pozdnyakov@cern.ch)

19. AFP project - ATLAS device for physics with very forward protons

Presenter: Michael Rijssenbeek - [Michael.Rijssenbeek@cern.ch](mailto:Michael.Rijssenbeek@cern.ch)

10. Real-time flavor tagging selection in ATLAS

Presenter: Merve Sahinsoy - [Merve.Sahinsoy@cern.ch](mailto:Merve.Sahinsoy@cern.ch)

11. The ATLAS Tau Trigger Performance during LHC Run1 and Prospects for Run2

Presenter: Yuki Sakurai - [yuki.sakurai@cern.ch](mailto:yuki.sakurai@cern.ch)

26. Development of High-Speed, Low-fixed latency Trigger Signal Packet Router for the ATLAS NSW sTGC detector

Presenter: Tom Schwarz - [schwarz@umich.edu](mailto:schwarz@umich.edu)

47. Searches for light- and heavy-flavor three-jet resonances in proton-proton collisions with the CMS detector at  $\sqrt{s} = 8$  TeV

Presenter: Claudia Seitz (DESY) - [seitz.claudia@cern.ch](mailto:seitz.claudia@cern.ch)

7. b-Tagging Performance and Calibration with the ATLAS Detector

Presenter: Dmitri Sidorov - [Dmitri.Sidorov@cern.ch](mailto:Dmitri.Sidorov@cern.ch)

51. Search for  $W'$  to  $t\bar{b}$  decays with the CMS experiment

Presenter: David Sperka (Boston Univ.) - [david.michael.sperka@cern.ch](mailto:david.michael.sperka@cern.ch)

12. Performance and Calibration of the ATLAS Tile Calorimeter

Presenter: Pavel Starovoitov - [Pavel.Starovoitov@cern.ch](mailto:Pavel.Starovoitov@cern.ch) \*\*\*Dual Presenter 7\*\*\*

24. Impact of ATLAS data on parton density functions

Presenter: Pavel Starovoitov - [Pavel.Starovoitov@cern.ch](mailto:Pavel.Starovoitov@cern.ch) \*\*\*Dual Presenter 7\*\*\*

8. Light-quark and Gluon Jet Discrimination in pp Collisions at  $\sqrt{s} = 7$  TeV with the ATLAS Detector

Presenter: Maximilian Swiatlowski - [maximilian.j.swiatlowski@cern.ch](mailto:maximilian.j.swiatlowski@cern.ch)

9. Determination of the Jet Energy Scale and the Jet Energy Resolution in the 20fb-1 of data collected by the ATLAS detector in 2012

Presenter: Joseph Taenzer - [joseph.taenzer@cern.ch](mailto:joseph.taenzer@cern.ch)

16. Search for direct production of the top squark in all-hadronic final states at  $\sqrt{s}=8$  TeV with the ATLAS detector

Presenter: Chaowaroj Wanotayaroj (Max) - [ma.x@cern.ch](mailto:ma.x@cern.ch)

58. Searches for  $\Lambda^0 b$  and  $\Xi^0 b$  decays to  $K^0 S p \pi^-$  and  $K^0 S p K^-$  final states with first observation of the  $\Lambda^0 b \rightarrow K^0 S p \pi^-$  decay

Presenter: Mark Whitehead - [m.p.whitehead@warwick.ac.uk](mailto:m.p.whitehead@warwick.ac.uk)

50. Search for the standard model Higgs boson produced in association with top quarks in multilepton final states

Presenter: Anna Elizabeth Woodard (Univ. of Notre Dame) - [anna.elizabeth.woodard@cern.ch](mailto:anna.elizabeth.woodard@cern.ch)

25. Search for a heavy neutral particle decaying into  $e+\mu$ ,  $e+\tau$ ,  $\mu+\tau$  in pp collisions at  $\sqrt{s} = 7$  TeV with ATLAS

Presenter: Zeith Zengel - [keith.zengel@cern.ch](mailto:keith.zengel@cern.ch)

20. Simultaneous cross section measurements of high-pT electron-muon final state processes from proton-proton collisions at  $\sqrt{s} = 7$  TeV using the ATLAS detector

Presenter: Chen Zhou - [chen.zhou@cern.ch](mailto:chen.zhou@cern.ch)

17. Identification of hadronic decays of tau leptons in proton-proton LHC data with the ATLAS detector

Presenter: Zinonas Zinonos - [Zinonas.Zinonos@cern.ch](mailto:Zinonas.Zinonos@cern.ch)

65. Evolution studies of the CMS ECAL endcap response and upgrade design options for High-Luminosity

Presenter - Andrea Massironi - [Andrea.Massironi@cern.ch](mailto:Andrea.Massironi@cern.ch)