

PUBLICATIONS ATLAS – 01 DEC 2024

article

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4. Test of CP-invariance of the Higgs boson in vector-boson fusion production and in its decay into four leptons, G. Aad *et al.*, ATLAS Collaboration, *J. High Energy Phys.* 2405 (2024) 105
5. Observation of $WZ\gamma$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector, G. Aad *et al.*, ATLAS Collaboration, *Phys. Rev. Lett* 132 (2024) 021802
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1. The Phase-I Trigger Readout Electronics Upgrade of the ATLAS Liquid Argon Calorimeters, **E. Fortin**, ATLAS LAr Collaboration, Instrumentation for Colliding Beam Physics, Novosibirsk, Russia, 24-28 Feb 2020
2. Higgs self coupling and Higgs rare decays at FCC-hh, , Workshop FCC-France, Paris, indéfini,
3. Search for phenomena beyond the Standard Model in events with large b -jet multiplicity using the ATLAS detector at the LHC, **H. D. N. Nguyen**, 8th Conference of Large Hadron Collider Physics, Online, France, 25-30 May 2020

4. Multiplexing Firmware Prototypes for the Global Trigger System of the ATLAS Phase-II Upgrade, F. Bonini, M. Begel, H. Chen, K. Chen, M. Benoit, H. Liu, W. Yin, S. Tang, D. Matakias, H. Xu, E. Zhivun, 2020 IEEE Nuclear Science Symposium (NSS) and Medical Imaging Conference (MIC), Boston, United States, 31 Oct - 7 Nov 2020

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2. HH prospects for HL(HE)-LHC, Yellow Report results, **Petit, Elisabeth**, HL/HE-LHC Physics Workshop: final jamboree, Genève, Suisse, 1 Mar 2019
3. Higgs boson production in association with a ttbar pair at the ATLAS experiment, **A. E. Dumitriu**, The XXVII International Workshop on Deep Inelastic Scattering and Related Subjects, Turin, Italy, 8-12 Apr 2019
4. Path towards measuring the Higgs potential, , CERN Council Open Symposium on the Update of European Strategy for Particle Physics, Grenade, indéfini,
5. Experimental prospects on di-Higgs measurements, , IRN Terascale@Annecy, Annecy, indéfini,
6. Performance of the ATLAS RPC Detector and L1 Muon Barrel Trigger at 13 TeV, **A. Hedef**, EPS-HEP Conference 2019, Ghent, Belgium, 10-17 Jul 2019
7. Measurement of ttbar with additional jets with the ATLAS detector, **T. Theveneaux-Pelzer**, European Physical Society Conference on High Energy Physics (EPS-HEP) 2019, Ghent, Belgium, 10-17 Jul 2019
8. Inclusive Diffraction at Colliders, **F. Djama**, 49th International Symposium on Multiparticle Dynamics, Santa Fe, United States, 9-13 Sep 2019
9. High Luminosity yellow report: what does HL-LHC physics look like in ATLAS and CMS?, **A. Duperrin**, 19th Lomonosov Conference on Elementary Particle Physics, Moscou, Russia, 22-28 Aou 2019
10. Higgs studies in ATLAS and CMS experiments, **K. Liu**, Workshop on Connecting Insights in Fundamental Physics: Standard Model and Beyond, Corfu, Greece, 31 Aou - 11 Sep 2019
11. Treatment of theory uncertainties for Higgs measurements and searches at ATLAS, **T. P. Calvet**, Higgs Couplings, Oxford, United Kingdom, 30 Sep - 4 Oct 2019
12. Evolution of the ATLAS analysis model for Run-3 and prospects for HL-LHC, J. Elmsheuser, C. Anastopoulos, J. Boyd, J. Catmore, H. Gray, J. A. Mcfayden, C. Meyer, A. Sfyrla, J. Strandberg, K. Suruliz, T. Theveneaux-Pelzer, 24th International Conference on Computing in High Energy and Nuclear Physics, Adelaide, Australia, 4-8 Nov 2019

13. Higgs self-couplings: Experimental vision, **Petit, Elisabeth**, Ultimate Precision at Hadron Colliders, Paris, France, 25 Nov - 6 Dec 2019

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2. Evidence for the $t\bar{t}H$ production at $\sqrt{s} = 13$ TeV with the ATLAS detector, **R. Wolff**, 53rd Rencontres de Moriond on Electroweak Interactions and Unified Theories, La Thuile, Italy, 10-17 Mar 2018
3. Performance of tracking for the ATLAS Inner Detector Upgrade program, **A. Calandri**, ATLAS France ITK Upgrade, Annecy, France, 05 Avr 2018
4. Top, Bottom and Charm Yukawa couplings at the HL-LHC, **A. Calandri**, HL/HE LHC Meeting, Fermilab, United States, 4-6 Avr 2018
5. $t\bar{t}H$ at the LHC, **D. Madaffari**, Alps 2018, Obergurgl, Austria, 15-20 Apr 2018
6. Status of b-tagging in ATLAS and CMS, **A. Calandri**, Top LHC France 2018, Paris, France, 23-25 Mai 2018
7. Searches for non-Standard Model Higgs bosons, **A. E. Dumitriu**, Thirteenth Conference on the Intersections of Particle and Nuclear Physics, Palm Springs, CA, United States, 29 Mai - 3 Jun 2018
8. Searches for electroweak production of higgsinos with ATLAS, **R. El Kosseifi**, MASS2018: Origin of Mass at the High Energy and Intensity Frontier, Odense, Denmark, 28 May - 1 Jun 2018
9. Single Event Upsets in the ATLAS IBL Front End ASICs, **A. Rozanov**, 14th Pisa Meeting on Advanced Detectors, La Biodola-Isola d'Elba, Italy, 27 Mai - 2 Jun 2018
10. Status of b-tagging (ATLAS & CMS), **A. Calandri**, Top LHC France 2018, Paris, France, 23-25 Mai 2018
11. $t\bar{t}H(H \rightarrow b\bar{b})$: ATLAS & CMS latest run-2 results in the leptonic channels, **T. Theveneaux-Pelzer**, Top LHC France 2018, Paris, France, 23-25 Mai 2018
12. Top quark properties and mass measurements with the ATLAS detector, **K. De Vasconcelos Corga**, QCD@LHC 2018, Dresden, Germany, 27-31 Aou 2018

13. Searches for new physics in FCNC top decays in multilepton final states, **G. Tarna**, Corfu2018: 18th Hellenic School and Workshops on Elementary Particle Physics and Gravity, Corfu, Greece, 31 Aug - 28 Sep 2018
14. Observation of ttH production with ATLAS, **F. Hubaut**, 11th International Workshop on Top Quark Physics, Bad Neuenahr, Germany, 16-21 Sep 2018
15. Global status of couplings projections in ATLAS, **A. Calandri**, Workshop on the physics of HL-LHC and perspectives at HE-LHC, June 20th 2018, Geneve, Switzerland, 18-20 Jun 2018
16. Search for Vector like Quarks, **R. Kukla**, The 25th International Conference on Supersymmetry and the Unification of Fundamental Interactions, Mumbai, India, 11-15 Dec 2017
17. Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC, **H. Xu**, 2018 IEEE Nuclear Science Symposium and Medical Imaging Conference (NSS/MIC 2018), Sydney, Australia, 10-17 Nov 2018

2017

1. Phase - I Trigger Readout Electronics upgrade for the ATLAS Liquid Argon Calorimeters, **B. Dinkespiler**, INSTR17: Instrumentation for Colliding Beam Physics, Novosibirsk, Russia, 27 Feb 2017 03 Mar 2017
2. Search for the 125 GeV Higgs boson in the ttH production mode with the ATLAS detector, **E. Nagy**, 25th International Workshop on Deep Inelastic Scattering and Related Topics, Birmingham, United Kingdom, 3-7 Apr 2017
3. Recent results on $t\bar{t}H$ in the $b\bar{b}$ channel, **T. Calvet**, Top-LHC-France 2017, Marseille, France, 4-5 Mai 2017
4. New analysis techniques in $t\bar{t}H$, G.Aad, Top-LHC- France 2017, Marseille, France, 4-5 Mai 2017
5. Recent ATLAS results, **C. Diaconu**, 20th Planck Conference from Kazimierz to Warsaw (Planck 2017), Warsaw, Poland, 22-25 Mai 2017
6. Operational Experience with the ATLAS Pixel Detector, **F. Djama**, International Conference on Technology and Instrumentation in Particle Physics 2017, Beijing, China, 21-26 May 2017
7. Higgs Yukawa couplings, **G. Aad**, 5th Conference on Large Hadron Collider Physics 2017, Shanghai, China, 15-20 May 2017
8. Search for the SM Higgs boson in the ttH production with the ATLAS detector, **K. Liu**, 8th Higgs Hunting 2017, Orsay and Paris, France, 24-26 Jul 2017
9. The ATLAS Experiment at the LHC Collider, **F. Djama**, EIGHTEENTH LOMONOSOV CONFERENCE ON ELEMENTARY PARTICLE PHYSICS, Moscow, Russia, 24-30 Aug 2017

10. Higgs (SM and BSM) in ATLAS and CMS, **Y. Coadou**, Corfu2017: 17th Hellenic School and Workshops on Elementary Particle Physics and Gravity, Corfu, Greece, 2-28 Sep 2017
11. Perspectives of Higgs measurements at High-Luminosity LHC, **A. Calandri**, International Workshop on Future Linear Colliders, LCWS2017, Strasbourg, France, 23-27 Oct 2017
12. Direct top-quark decay width measurement in the $t\bar{t}$ lepton+jets channel at $\sqrt{s} = 8$ TeV with the ATLAS experiment., **R. E. Ticse Torres**, P. Stolte, 10th International Workshop on Top Quark Physics TOP 2017, Braga, Portugal, 17-22 Sep 2017
13. Measurement of tW Differential Cross Section with the ATLAS Detector at 13 TeV, **R. Zhang**, 10th International Workshop on Top Quark Physics TOP 2017, Braga, Portugal, 17-22 Sep 2017
14. The use of a 90 metre thermosiphon cooling plant and associated custom ultrasonic instrumentation in the cooling of the ATLAS inner silicon tracker, **G. Hallewell**, 16th International Conference on Accelerator and Large Experimental Physics Control Systems (ICALEPCS 2017), Barcelone, Spain, 8-13 Oct 2017
15. ATLAS LAr Calorimeter Trigger Electronics Phase-1 Upgrade, **G. Aad**, Calorimetry for High Energy Frontier CHEF2017, Lyon, France, 2-6 Oct 2017
16. $t\bar{t}H$ Coupling Measurement with the ATLAS Detector at the LHC, **A. Hadeef**, 6th International Conference on New Frontiers in Physics (ICNFP 2017), Kolymbari, Greece, 17-26 Aou 2017
17. Higgs Prospects studies at High-Luminosity LHC, **A. Calandri**, IRN Terascale@Marseille, Marseille, France, 13-15 Dec 2017

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1. Top properties at LHC@13 TeV in ATLAS and CMS, **E. Monnier**, 51th Rencontres de Moriond on ELECTROWEAK INTERACTIONS AND UNIFIED THEORIES, La Thuile, Italy, 12-19 Mar 2016
2. Pixel Simulation and Performance with HVCMOS, **A. Calandri**, AIDA-2020 workshop on HV/HR-CMOS TCAD and Geant4 simulations, Marseille, France, 12-13 Mai 2016
3. Search for squark and gluino production in leptonic final states, **S.-J. Kahn**, 24th International Workshop on Deep Inelastic Scattering and related subjects, Hamburg, Germany, 11-15 Apr 2016
4. Flavour tagging performance optimization for the 2016 LHC Run, **A. Calandri**, Fourth Annual Large Hadron Collider Physics Conference (LHCP2016), Lund, Denmark, 13-18 Jui 2016
5. Flavour tagging algorithms and performance at the ATLAS experiment, **A. Calandri**, 4th Large Hadron Collider Physics Conference, Lund, Sweden, 13-18 Jun 2016

6. Searches for new phenomena in high-pT lepton final states and jets using the ATLAS detector, **R. Zhang**, The 24th International Conference on Supersymmetry and Unification of Fundamental Interactions, Melbourne, Australia, 3-8 Jul 2016
7. Measurement of cross sections and couplings of the SM Higgs boson in the WW decay channel using the ATLAS detector, **C. Bertella**, 38th International Conference on High Energy Physics, Chicago, United States, 03-10 Aug 2016
8. Recent Results on VBF, VBS, Exclusive WW and Tri-boson Production from ATLAS, **R. Zhang**, QCD@LHC 2016, Zurich, Switzerland, 22-26 Aou 2016
9. Using Integral and Differential Charge Asymmetries for BSM Searches at the LHC, **S. Muanza**, LIO international conference on Composite Models, Electroweak Physics and the LHC, Lyon, France, 5-8 Sep 2016
10. Recent results on Higgs physics from the ATLAS experiment, **A. Calandri**, DISCRETE2016 - Fifth Symposium on Prospects in the Physics of Discrete Symmetries, Warsaw, Poland, 28 Nov 2016 3 Dec 2016
11. Studies on higher QCD corrections in the context of the Higgs boson signal strength extraction at the ATLAS experiment, **A. Calandri**, GDR Terascale@Paris, Paris, France, 23-25 Nov 2016
12. Using integral and differential charge asymmetries in searches for BSM physics at the LHC, **S. Muanza**, International Workshop on Discovery Physics at the LHC (KRUGER2016), Mpumalnga, South Africa, 4-9 Dec 2016
13. Review of Standard Model Higgs results at the ATLAS experiment, **A. Calandri**, 5th Symposium on Prospects in the Physics of Discrete Symmetries, Warsaw, Poland, 28 Nov - 03 Dec 2016
14. Review of Higgs results from the ATLAS experiment, **A. Calandri**, 5th Symposium on Prospects in the Physics of Discrete Symmetries, Warsaw, Poland, 28 Nov - 3 Dec 2016
15. ATLAS Supersymmetry Searches, **M. Ughetto**, International Workshop on Discovery Physics at the LHC, Kruger, South Africa, 3-7 Dec 2012

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1. Combination of spin/CP and differential cross-sections in ATLAS and CMS, **K. Liu**, GDR Terascale@Saclay, Saclay, France, 30 Mar - 01 Avr 2015
2. Run 1 ttH \rightarrow bb, **D. Madaffari**, top LHC- France 2015, Lyon, France, 18-19 Mai 2015
3. Run 2 ttH perspectives, **G. Aad**, top LHC-France 2015, Lyon, France, 18-19 Mai 2015

4. A New Method for Indirect Mass Measurements using the Integral Charge Asymmetry at the LHC, **S. Muanza**, **T. Serre**, DIS 2015 - XXIII. International Workshop on Deep-Inelastic Scattering and Related Subjects, Dallas, Texas, United States, 27 Avr - 1 Mai 2015
5. New Method for Mass Measurements using Integral Charge Asymmetry at LHC, **S. Muanza**, 18th High-Energy Physics International Conference in Quantum Chromodynamics, Montpellier, France, 29 Jun - 03 Jul 2015
6. Recent Results from the ATLAS Experiment, **F. Djama**, 4th International Conference on New Frontiers in Physics ICNFP2015, Kolymbari, Greece, 23-30 Aug 2015
7. Searches for $t\bar{t}$ resonances with the ATLAS detector at the LHC, **L. Feligioni**, The 23rd International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY), Lake Tahoe, United States, 23 Aug - 29 Aug 2015

2014

1. $W+c$ Cross Section, ATLAS, **G. Aad**, The top-charm frontier at the LHC, Genève, Switzerland, 14-17 Jan 2014
2. Measurements of the production of vector bosons in association with heavy flavour quarks at ATLAS., **G. Aad**, 22nd International Workshop on Deep-Inelastic Scattering and Related Subjects, Warsaw, Poland, 28 Apr - 02 May 2014
3. Searches for third generation squarks with the ATLAS detector, **S. Muanza**, 22nd International Workshop on Deep- Inelastic Scattering and Related Subjects, Warsaw, Poland, 28 Apr - 02 May 2014
4. Searches for electroweak production of supersymmetric gauginos and sleptons with the ATLAS detector, **M. Ughetto**, Phenomenology 2014 Symposium, Pittsburgh, United States, 5-7 May 2014
5. Inclusive searches for squarks and gluinos with the ATLAS detector, **O. Ducu**, Phenomenology 2014 Symposium, Pittsburgh, United States, 5-7 May 2014
6. SUSY Searches : lessons from the first LHC Run, **P. Pralavorio**, 26th Rencontres de Blois on Particle Physics and Cosmology, Blois, France, 18-23 May 2014
7. SM Higgs in Boson Decay Modes in ATLAS, **E. Tiouchichine**, 22nd International Conference on Supersymmetry and Unification of Fundamental Interactions, Univ. Manchester, United Kingdom, 21-26 Jul 2014
8. Review of SUSY searches with the ATLAS detector, **T. Serre**, Prospects for Charged Higgs Discovery at Colliders, Uppsala, Sweden, 16 Sep - 19 Sep 2014
9. Search for the Higgs boson in fermionic channels using the ATLAS detector, **K. Mochizuki**, Workshop on Discovery Physics at the LHC, Kruger Gate, South Africa, 1-6 Dec 2014

2013

1. Status and future of the ATLAS Pixel Detector at the LHC, **A. Rozanov**, 13th Vienna Conference on Instrumentation, Vienne, Austria, 11-15 Feb 2013
2. The Higgs candidate, experimental status, **F. Hubaut**, The 9th Franco-Italian meeting on B physics, Annecy le Vieux, France, 18-19 Feb 2013
3. Search for strongly produced superpartners in final states with 2 same-sign leptons and jets with the ATLAS detector in 21 fb^{-1} pp collisions at $\sqrt{s} = 8 \text{ TeV}$, **J. Maurer**, XLVIII th Rencontres de Moriond - Electroweak Interactions and Unified Theories, Paris, France, 2-9 Mar 2013
4. ATLAS studies on Higgs to diboson states, **F. Hubaut**, 48th Rencontres de Moriond on Electroweak Interactions and Unified Theories, La Thuile, Italy, 2-9 Mar 2013
5. Search for the Higgs boson in $H \rightarrow b\bar{b}$, **Y. Nagai**, Japan Physical Society Meeting Hiroshima Japan, Hiroshima, Japan, 26-29 Mar 2013
6. Latest ATLAS studies on Higgs to diboson states, **F. Hubaut**, 48th Rencontres de Moriond on Electroweak Interactions and Unified Theories, La Thuile, Italy, 2-9 Mar 2013
7. Top pair production cross-section measurement in full hadronic mode with ATLAS+CMS, **C. Bertella**, LHC France 2013, Annecy, France, 2-6 Apr 2013
8. Searches for the SM BEH boson decaying into a pair of b quarks at the LHC, **N. Tannoury**, LHC France 2013, Annecy, France, 2-6 Apr 2013
9. Search for strongly produced superpartners in final states with same-sign leptons and jets, **J. Maurer**, LHC France 2013, Annecy, France, 2-6 Apr 2013
10. Reducible background estimation for the standard model Higgs boson search analysis in the decay channel $H \rightarrow ZZ^* \rightarrow 4l$ with the ATLAS experiment, **E. Tiouchichine**, LHC France 2013, Annecy, France, 2-6 Apr 2013
11. SUSY search with two same-sign leptons and jets with the ATLAS detector using 21 fb^{-1} of pp collisions at 8 TeV, **O. A. Ducu**, LHC France 2013, Annecy, France, 2-6 Apr 2013
12. Higgs Search in $b\bar{b}$ Signatures at ATLAS and CMS, **Y. Nagai**, 14th International Conference on B-Physics at Hadron Machines, Bologna, Italy, 8-12 Apr 2013
13. Higgs search with emphasis on $bar{b}b$ at ATLAS and CMS, **Y. Nagai**, 14th International Conference on B-Physics at Hadron Machines, Bologna, Italy, 8-12 Apr 2013
14. Top quark production in ATLAS, **C. Bertella**, 21st International Workshop on Deep-Inelastic Scattering and Related Subjects, Marseille, France, 22-26 Apr 2013

15. Top quark production in ATLAS, **C. Bertella**, 21st International Workshop on Deep-Inelastic Scattering and Related Subjects, Marseilles, France, 22-26 Apr 2013
16. Search for direct slepton and chargino production in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector, **T. Serre**, GDR Terascale, Montpellier, France, 13-15 May 2013
17. Particle physics highlights - Higgs Boson: Experimental Status, **Y. Coadou**, OCEVU General Workshop, Toulouse, France, 11-13 Jun 2013
18. Searches for resonances at LHC and Tevatron, **L. Vacavant**, 1st Large Hadron Collider Physics Conference, Barcelona, Spain, 13-18 May 2013
19. Particle Physics and Cosmology, **P. Pralavorio**, 100e Ecole d'Ete de Physique: Post-Planck Cosmology, Les Houches, France, 8 Jul - 2 Aug 2013
20. Operation and performance of the ATLAS liquid argon electromagnetic calorimeters, **J. Maurer**, EPS-HEP 2013 European Physical Society Conference on High Energy Physics, Stockholm, Sweden, 18-24 Jul 2013
21. SUSY status at ATLAS, **P. Pralavorio**, SEARCH'13, Stony Brook, United States, 20-22 Aug 2013
22. Search for a high mass Higgs boson using the ATLAS detector, **S. Diglio**, 2nd International Conference on New Frontiers in Physics, Kolymbari, Greece, 28 Aug - 5 Sep 2013
23. Performance of TOP tagging methods, **M. Talby**, TOP2013 - 6th International Workshop on Top Quark Physics, Durbach, Germany, 14-19 Sep 2013
24. Upgrades of the HL-LHC/ATLAS hybrid pixels detector: Test results of the first 3D-IC prototype, **P. Pangaud**, **D. Arutinov**, **M. Barbero**, **F. Bompard**, **P. Breugnon**, **J. Clemens**, **D. Fougeron**, **M. Garcia-Sciveres**, **S. Godiot**, **T. Hemperek**, **H. Krüger**, **J. Liu**, **T. Obermann**, **A. Rozanov**, **N. Wermes**, 2013 IEEE Nuclear Science Symposium and Medical Imaging Conference, Seoul, South Korea, 27 Oct - 02 Nov 2013
25. Mass Constraint on a SUSY Signal from Global Charge Asymmetry, **S. Muanza**, **T. Serre**, GDR Terascale, Annecy le Vieux, France, 28-30 Oct 2013
26. $VH \rightarrow bb$: experimental review, **G. Aad**, GDR Terascale, Annecy le Vieux, France, 28-30 Oct 2013
27. Search for chargino and neutralino production in final states with one lepton two b-jets consistent with a higgs boson and missing transverse momentum with the ATLAS detector in 20.3 fb^{-1} of $\sqrt{s} = 8 \text{ TeV}$ pp collisions, **S. Muanza**, **M. Ughetto**, GDR Terascale, Annecy le Vieux, France, 28-30 Oct 2013
28. Summary of LHC higgs results (ATLAS+CMS), **E. Monnier**, 19th International Symposium on Particles, Strings and Cosmology, Taipei, Taiwan, 20-26 Nov 2013

2012

1. Introduction of ATLAS cooperation, **E. Monnier**, 5th workshop of the France China Particle Physics Laboratory, FCPPL 2012, Orsay, France, 21-24 Mar 2012
2. DCS Data Viewer, a Application that Access ATLAS DCS Historical Data , C.Tsarouchas, **D. Hoffmann** , Computing in High Energy and Nuclear Physics (CHEP2012), New-York, United States, 21-25 May 2012
3. Global Charge Asymmetry: a New Method for Indirect Mass Constraints at the LHC, **S. Muanza**, Tools for the SM and the New Physics, Stockholm, Sweden, 2-1 Jun 2012
4. ATLAS Diboson Measurements, **S. Li**, Physics at LHC 2012, Vancouver, Canada, 4-9 Jun 2012
5. 4th generation searches at ATLAS, **L. Felgioni**, 36th International Conference on High Energy Physics, Melbourne, Australia, 4-11 Jul 2012
6. Overview of the ATLAS Insertable B-Layer (IBL) Project, **F. Djama**, iWoRID 2012 - 14th International Workshop on Radiation Imaging Detectors, Figueira Da Foz, Portugal, 1-5 Jul 2012
7. SUSY searches at ATLAS, **P. Pralavorio**, 20th International Conference on Supersymmetry and Unification of Fundamental Interactions, Peking Univ, China, 13-8 Aug 2012
8. Higgs to bbbar and tautau and beyond SM Higgs searches with ATLAS, **Y. Coadou**, LHC days in Split 2012, Split, Croatia, 1-6 Oct 2012
9. The Global Charge Asymmetry: A new Method to Constrain Masses at the LHC, **S. Muanza**, GDR Terascale, Paris, France, 6 Nov 2012
10. Searching for ttH at the LHC, **L. Vacavant**, GDR Terascale, Paris, France, 7 Nov 2012

2011

1. Highlights From Physics Analysis From ATLAS, **L. Vacavant**, SLHC, the High-Luminosity Upgrade, Genève, Switzerland, 8 Mar 2011
2. ATLAS FCPPL project, **E. Monnier**, The 4 th workshop France-China Particle Physics Laboratory (FCPPL2011), Shandong, China, 7-9 Apr 2011
3. The FE-I4 Chip for ATLAS, **M. Menouni** , 8th International Meeting on Front-End Electronics, Bergamo, Italy, 24-27 May 2011
4. FEI4 Chip in Chartered 130 nm, **J.- C. Clémens**, 8th International Meeting on Front-End Electronics, Bergamo, Italy, 24-27 May 2011
5. Commissioning of high-performance b-tagging algorithms in pp collisions at sqrt(s)=7 TeV with the ATLAS experiment, **N. Bousson**, 2011 Europhysics Conference on High Energy Physics, Grenoble, France, 21-27 Jul 2011

6. ATLAS New Heavy Quark Searches, **N. Bousson**, Physics at LHC 2011, Perugia, Italy, 6-11 Jun 2011
7. Fully hadronic $t\bar{t}$ cross section measurement with ATLAS detector, **C. Bertella**, Physics in Collision 2011, Vancouver, Canada, 28 Aug - 1 Sep 2011
8. ATLAS Exotic Searches, **N. Bousson**, Hadron Collider Physics Symposium, Paris, France, 14-18 Nov 2011
9. Search for the SM Higgs boson in the decay channel $H \rightarrow 4l$ with the ATLAS detector, **J. Odier**, Hadron Collider Physics Symposium 2011, Paris, France, 14-18 Nov 2011

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1. New developments of scintillating crystal-based hybrid single photon detectors (X-HPDs) for charged particle and neutrino detection applications, G. Hallewell, Advancements in Nuclear Instrumentation Measurement Methods and their Applications ANIMMA 2009, Marseille, France, 7-10 Jun 2009
2. ATLAS Calorimeter Results, **E. Monnier**, 45th Rencontres de Moriond on QCD and High Energy Interactions, La Thuile, Italy, 13-20 Mar 2010
3. The ATLAS Liquid Argon calorimeter: Overview and performance, **H. Zhang**, 14th International Conference on Calorimetry in High Energy Physics (CALOR 2010), Beijing, China, 10-14 May 2010
4. Performance of E_T^{miss} reconstruction in first ATLAS data, **E. Petit**, 2010 Phenomenology Symposium: LHC Decade!, Madison, United States, 10-12 May 2010
5. Commissioning and operation of the ATLAS pixel detector at the CERN LHC collider, **F. Djama**, 12th International Workshop on Radiation Imaging Detectors, Cambridge, United Kingdom, 11-15 Jul 2010
6. Commissioning and Operation of the ATLAS Pixel Detector, **F. Djama**, 12th International Workshop on Radiation Imaging Detectors, Cambridge, United Kingdom, 11-15 Jul 2010
7. ATLAS early results, **F. Hubaut**, 4th International Workshop on the Interconnection between Particle Physics and Cosmology, Torino, Italy, 12-16 Jul 2010
8. Performance of the missing transverse energy reconstruction in first ATLAS data at a center-of-mass energy of 7-TeV, **A. Olariu**, 35th International Conference on High Energy Physics: ICHEP 2010, Paris, France, 21-28 Jul 2010
9. Commissioning and performance of the ATLAS calorimeter system with proton collision at LHC, **P. Pralavorio**, 35th International Conference on High Energy Physics: ICHEP 2010, Paris, France, 21-28 Jul 2010
10. Tau trigger and tau reconstruction, efficiency and fake rates in ATLAS, **Y. Coadou**, 3rd International Workshop on Prospects for Charged Higgs Discovery at Colliders (CHARGED 2010), Uppsala, Sweden, 27-30 Sep 2010

11. Status of b-tagging in ATLAS, **C. Lapoire**, Implications of First LHC Data: a joint Berkeley-MIT workshop, MIT, United Kingdom, 10-13 Aug 2010
12. Electron and Photon Reconstruction and Identification with the ATLAS Detector, **M. Kuna**, IPRD 2010 conference, Siena, Italy,

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2016

1. Measurements of electron efficiencies with the 2015 pp collision data in ATLAS at $\sqrt{s} = 13$ TeV, **A. Hedef**, LHCC 2016, Geneva, Switzerland, 02 Mar 2016
2. HV-CMOS simulation and performance on tracking and flavour tagging, **A. Calandri**, **L. Vacavant**, **M. Barbero**, **A. Rozanov**, F. Djama , 8 th International Workshop on Semiconductor Pixel Detectors for Particles and Imaging, Sestri Levante, Italy, 5-9 Sep 2016
3. Optimisation of the ATLAS b -tagging performance for the 2016 LHC Run, **A. Calandri**, LHCP 2016, Lund, Sweden, 14 Jun 2016

2015

1. The Upgrade of the ATLAS Electron and Photon Triggers towards LHC Run 2 and their Performance, **S.J. Kahn**, European Physical Society Conference on High Energy Physics 2015, Vienna, Austria, 22-29 Jul 2015
2. ATLAS b -tagging performance during LHC Run 2 with the Insertable B-layer, **Y. Rodina**, 3rd Annual Large Hadron Collider Physics Conference, St. Petersburg, Russia, 31 Aug - 5 Sep 2015
3. B-tagging performance for ATLAS in LHC Run 2, **T.P. Calvet**, European Physical Society Conference on High Energy Physics 2015, Vienna, Austria, 22-29 Jul 2015

2014

1. ATLAS detector performance in Run1: Calorimeters, B. Burghgrave, **E. Tiouchichine**, 117th LHCC Meeting, CERN, Switzerland, 5-6 Mar 2014
2. Real-time flavor tagging selection in ATLAS, **D. Madaffari**, 37th International Conference on High Energy Physics, Valencia, Spain, 2-9 Jul 2014
3. Real-time flavor tagging selection in ATLAS, **D. Madaffari**, 37th International Conference on High Energy Physics, 46015 Valencia, Spain, 2-9 Jul 2014

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1. SUSY search with two same-sign leptons and jets with the ATLAS detector using 21 fb⁻¹ of pp collisions at 8TeV, **O. Ducu**, LHCC2013, Geneva, Switzerland, 1-3 Mar 2013

2. Search for strongly produced supersymmetric particles in final states with two same-sign leptons and jets with the ATLAS detector using 21 fb^{-1} of pp collisions at 8 TeV, **O. A. Ducu**, 2013 European Physical Society Conference on High Energy Physics, Stockholm, Sweden, 18-24 Jul 2013
3. SUSY search with two same-sign leptons and jets with the ATLAS detector using 21 fb^{-1} of pp collisions at 8 TeV, **O. Ducu**, 2nd International Conference on New Frontiers in Physics, Kolymbari, Greece, 28 Aug - 5 Sep 2013
4. SUSY search with two same-sign leptons and jets with the ATLAS detector using 21 fb^{-1} of pp collisions at 8 TeV, **O. Ducu**, ICNFP2013, Kolymbari, Crete, Greece, 28 Aug - 05 Sep 2013
5. SUSY search with two same-sign leptons and jets with the ATLAS detector, O.-A. Ducu, EPS HEP 2013, Stockholm, Sweden, 1-5 Jul 2013

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1. A System for Monitoring and Tracking the LHC Beam Spot within the ATLAS High Level Trigger, R. Bartoldus, C. Bee, J. Cogan, A. Salnikov, E. Strauss, F. Winklmeier, Computing in High Energy and Nuclear Physics 2012, New York, United States, 21-25 May 2012

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1. Measurement of the b-Tagging Performance with ATLAS, N. Tannoury, Physics at LHC 2011, Perugia, Italy, 6-11 Jun 2011
2. ATLAS New Heavy Quark Searches, **N. Bousson**, Physics at LHC 2011, Perugia, Italy, 6-11 Jun 2011
3. Luminosity measurement in ATLAS, **S. Arfaoui**, The Hadron Collider Physics Symposium 2011, Paris, France, 14-18 Nov 2011

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1. Physics Beyond Colliders at CERN: Beyond the Standard Model Working Group Report, J. Beacham, C. Burrage, D. Curtin, A. De Roeck, J. Evans, J. L. Feng, C. Gatto, S. Gninenko, A. Hartin, I. Irastorza, J. Jaeckel, K. Jungmann, K. Kirch, F. Kling, S. Knapen, M. Lamont, G. Lanfranchi, C. Lazzeroni, A. Lindner, F. Martinez-Vidal, M. Moulson, M. Papucci, I. Pedraza, K. Petridis, M. Pospelov, A. Rozanov, G. Ruoso, P. Schuster, Y. Semertzidis, T. Spadaro, C. Vallée, G. Wilkinson, CERN-PBC-REPORT-2018-007

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1. Optimization of the ATLAS b-tagging performance for the 2016 LHC Run,, ATLAS, ATL-PHYS-PUB-2016-012

2. Electron efficiency measurements with the ATLAS detector using the 2015 LHC proton-proton collision data, C. Anastopoulos, L. Aperio Bella, M. Backes, E. Benhar Noccioli, K. Brendlinger, K. De Vasconcelos Corga, J.-B. De Vivie De Regie, C. Diaconu, B. Dutta, V. Eliajasyula, A. Hedef, F. Hubaut, J. Kroll, S.J. Kahn, S. Laplace, Y. Liu, K. Lohwasser, N.M. Hartmann, A.M. Burger, A. Maslennikov, E. Monnier, D. Moreno, G. Navarro, R. Ospanov, G. Pasztor, P. Podberezko, J. Poveda, P. Pralavorio, J. Reichert, R.R. Fletcher, E. Sauvan, Y. Shen, P. Sommer, A. Trofymov, G. Unal, C. Wang, R. White, R. Zhang, J.G. Vasquez, P. Tipton, S. Heim, ATLAS-COM- CONF-2016-028, ATLAS-CONF-2016-024
3. Optimisation of the ATLAS b -tagging performance for the 2016 LHC Run, A. Calandri, ATL-COM-PHYS-2016-646, ATL- PHYS-SLIDE-2016-333
4. Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector, G. Aad, T. Calvet, Y. Coadou, A. Duperrin, E. Ticse Torres, Royer, V. Vacavant, T. Theveneaux-Pelzer, Y. Rodina, ATLAS-CONF-2016-080
5. Combination of the searches for Higgs boson production in association with top quarks in the $\gamma\gamma$, multilepton, and $b\bar{b}$ decay channels at $\sqrt{s}=13$ TeV with the ATLAS Detector, T. Calvet,
6. Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector, Atlas, G. Aad, Th. Calvet, Y. Coadou, A. Duperrin, T. Theveneaux-Pelzer, R. Ticse Torres, Y. Rodina, L. Vacavant, ATL-PHYS-INT-2016-017

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1. Benchmark analysis for Z to $\tau\tau$ to lepton hadron with the first 100 pb^{-1} , P. Bechtel, Y. Coadou, ATL- PHYS-INT-2010-075
2. Tracking studies for b-tagging algorithm in 900 GeV collision data, N. Bousson, J. Fleckner, C. Gwilliam, J. Kvita, C. Lapoire, A. Mehta, A. Rozanov, L. Vacavant, ATL-COM-PHYS-2010-089
3. Validation of the simulation of the electromagnetic shower shapes using 2008 cosmic-ray data, O. Arnaez, J. Odier, Z. Liang, ATL-PHYS-INT-2010-002
4. Tracking studies for b-tagging with 900 GeV collision data with the ATLAS detector, The ATLAS Collaboration, ATLAS- CONF-2010-003
5. Photon conversions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector, The ATLAS Collaboration, ATLAS-CONF-2010-007
6. Higgs production cross sections and decay branching ratios, N. Andari, S. Muanza, H. Zhang, ATL-COM- PHYS-2010-046
7. Cosmic Ray Detection Efficiency for the ATLAS Pixel Detector, G. Aad, T. Golling, C. Ruwiedel, M.G. Wilson, ATL-COM-INDET-2010-051

8. Search for top pair candidate events in ATLAS in $\sqrt{s} = 7$ TeV, The ATLAS Collaboration, ATLAS-CONF-2010-063
9. Response and shower topology of 2 to 180 GeV pions measured with the ATLAS barrel calorimeter at the CERN. Test-Beam and comparison to Monte Carlo simulations, ATLAS, ATL-CAL-PUB-2010-001
10. Pixel clusters separately in paired and unpaired bunches to estimate contribution from beam background, L. Skinnari, F. Djama, ATL-COM-INDET-2010-061
11. Tracking studies for b-tagging with 7 TeV collision data with the ATLAS detector, The ATLAS Collaboration, ATLAS- CONF-2010-040
12. Impact -Parameter based b-Tagging algorithms in the $\sqrt{s} = 7$ TeV collisions with the ATLAS detector, The ATLAS Collaboration, ATLAS-CONF-2010-041
13. Performance of Impact-Parameter based b-Tagging algorithms with the ATLAS detector using Proton-Proton collisions at $\sqrt{s} = 7$ TeV, N. Bousson, T. Goepfert, F. Hirsh, C. Jung, C. Lapoire, S. Strandberg, L. Vacavant, K. Zenker, M. Zur Nedden, ATL-COM-2010-047
14. Prospects for studying $W \rightarrow \tau\nu$ decays with ATLAS data corresponding to an integrated luminosity of 100 pb^{-1} , G. Nunes Hanninger, Y. Coadou, ATL-PHYS- INT-2010-073
15. Performance of the missing transverse energy reconstruction in minimum bias collisions at center-of mass energy of $\sqrt{s} = 7$ TeV with the ATLAS detector, The ATLAS Collaboration, ATLAS- CONF-2010-039
16. Probing the response of the ATLAS electromagnetic calorimeter and material upstream with energy flow from $\sqrt{s} = 7$ TeV minimum bias events, The ATLAS Collaboration, ATLAS- CONF-2010-037
17. Commissioning of the ATLAS Tau-Lepton Reconstruction Using 7 TeV data, Y. Coadou, ATL-COM-PHYS-2010-392
18. Search for compressed SUSY at $\sqrt{s} = 7$ TeV with ATLAS detector : Same-sign dilepton and heavy flavor jets final states, Z. Zhan, X. Zhang, S. Jin, F. Lu, S. Muanza, E. Monnier, ATL-COM-PHYS-2010-723
19. Reconstruction of hadronic τ candidates in QCD events at ATLAS with 7 TeV proton-proton collisions, The ATLAS Collaboration, ATLAS-CONF-2010-059
20. Tracking studies for b-tagging with 7 TeV collision data with the ATLAS detector, The ATLAS Collaboration, ATLAS- CONF-2010-070
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