

PUBLICATIONS ATLAS – 30 APR 2025

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10. Mesure de l'efficacité de l'étiquetage des jets beaux dans l'expérience ATLAS, N. Tannoury, indéfini, Journées Jeunes Chercheurs 2010 (2010), Angers, France, 21-27 Nov 2010

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2021

1. ATLAS and CMS latest results on ttH/tH - SM@LHC 2021, Strebler, Thomas, Standard Model at the LHC 2021, , indéfini, 26 Avr - 30 Avr 2021

2020

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

2019

1. Low-Mass Diphoton Resonances Search With the ATLAS Detector at 13 TeV, **A. Hadeff**, The 4th China LHC Physics Workshop (CLHCP 2018), Shanghai, China, 12-22 Dec 2018
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. Hadeff**, 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

2018

1. First bulk and surface results for the ATLAS ITk stereo annulus sensors, S. H. Abidi, T. Affolder, J. Bohm, J. M. Botte, B. Ciungu, K. Dette, Z. Dolezal, C. Escobar, V. Fadeyev, X. Fernandez-Tejero, C. Garcia-Argos, D. Gillberg, K. Hara, R. F. Hunter, J. Keller, P. Kodys, T. Koffas, Z. Kotek, J. Kroll, C. Lacasta, V. Latonova, J. Loenker, **D. Madaffari**, M. Mikestikova, M. Minano Moya, S. Y. Ng, R. Orr, D. Rodriguez Rodriguez, U. Soldevila, J. Stastny, M. Stegler, J. Suzuki, R. Teuscher, Y. Unno, S. Wada, F. Wizemann, V. Zahradnik, 11th International "Hiroshima" Symposium on the Development and Application of Semiconductor Tracking Detectors (HSTD11) in conjunction with 2nd Workshop on SOI Pixel Detectors (SOIPIX2017) at OIST, Okinawa, Okinawa, Japan, 10-15 Dec 2017
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. ttH 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 Jui 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 Jui 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 Jui 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 Fev 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 $t\bar{t}H$ 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. Hadef**, 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

2016

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. Calendri, Fourth Annual Large Hadron Collider Physics Conference (LHCP2016), Lund, Denmark, 13-18 Jul 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), Mpumalanga, 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. Uggetto**, International Workshop on Discovery Physics at the LHC, Kruger, South Africa, 3-7 Dec 2012

2015

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 $t\bar{t}H \rightarrow bb$, **D. Madaffari**, top LHC- France 2015, Lyon, France, 18-19 Mai 2015
3. Run 2 $t\bar{t}H$ 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. Uggetto**, 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
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