

List of Publications of Giuseppe Salamanna

In total I am an author of: 225 refereed publications by the ATLAS Collaboration and 146 by the CDF Collaboration.

A full list of refereed publications follows. A list of the most important non-refereed or internal ATLAS and CDF notes can be found in the curriculum vitae file.

A large number of Conference notes and non-refereed results on

ATLAS Top quark results where my contribution was important, not included here, can be found at the following URL:

<https://twiki.cern.ch/twiki/bin/view/AtlasPublic/TopPublicResults>

- [1] **CDF** Collaboration, A. Abulencia *et al.*, “Observation of $B_s^0 \bar{B}_s^0$ oscillations,” *Phys. Rev. Lett.* **97** (2006) 242003, [arXiv:hep-ex/0609040](#).
- [2] **ATLAS** Collaboration, G. Aad *et al.*, “Measurement of the top quark pair cross-section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV in the single-lepton channel using b-tagging,” *Journal paper in preparation* (2011) , ATLAS conference note:ATLAS-CONF-2011-035.
- [3] **Atlas** Collaboration, G. Aad *et al.*, “Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7\text{TeV}$,” *Eur. Phys. J.* **C71** (2011) 1577, [arXiv:1012.1792 \[hep-ex\]](#).
- [4] **CDF** Collaboration, T. Aaltonen *et al.*, “First Flavor-Tagged Determination of Bounds on Mixing- Induced CP Violation in $B_0(s) \rightarrow J/\psi \phi$ Decays,” *Phys. Rev. Lett.* **100** (2008) 161802, [arXiv:0712.2397 \[hep-ex\]](#).
- [5] **CDF** Collaboration, T. Aaltonen *et al.*, “Search for $B_0(s) \rightarrow \mu^+ \mu^-$ and $B_0(d) \rightarrow \mu^+ \mu^-$ decays with 2fb⁻¹ of p anti-p collisions,” *Phys. Rev. Lett.* **100** (2008) 101802, [arXiv:0712.1708 \[hep-ex\]](#).
- [6] **ATLAS** Collaboration, G. Aad *et al.*, “Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays,” *Eur. Phys. J.* **C70** (2010) 875–916, [arXiv:1006.4384 \[physics.ins-det\]](#).

- [7] D. Adams *et al.*, “Muon reconstruction and identification: Studies with simulated Monte Carlo samples *as part of*: Expected Performance of the ATLAS Experiment, Detector, Trigger and Physics,”. ATL-PHYS-PUB-2009-008.
- [8] **ATLAS Collaboration**, G. Salamanna, “ATLAS electroweak results,” *PoS QFTHEP2010* (2010) 004.
- [9] **ATLAS Collaboration** Collaboration, G. Aad *et al.*, “Measurement of the Z to tau tau Cross Section with the ATLAS Detector,” [arXiv:1108.2016 \[hep-ex\]](#). * Temporary entry *.
- [10] **ATLAS Collaboration** Collaboration, G. Aad, B. Abbott, J. Abdallah, A. A. Abdelalim, A. Abdesselam, *et al.*, “Search for dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” [arXiv:1108.1582 \[hep-ex\]](#). * Temporary entry *.
- [11] **ATLAS Collaboration** Collaboration, G. Aad *et al.*, “Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb⁻¹ of pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector,” [arXiv:1108.1316 \[hep-ex\]](#). * Temporary entry *.
- [12] **ATLAS Collaboration** Collaboration, G. Aad *et al.*, “Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” [arXiv:1108.0366 \[hep-ex\]](#). * Temporary entry *.
- [13] **ATLAS Collaboration** Collaboration, G. Aad *et al.*, “Search for neutral MSSM Higgs bosons decaying to $\tau^+\tau^-$ pairs in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” [arXiv:1107.5003 \[hep-ex\]](#). * Temporary entry *.
- [14] **ATLAS Collaboration**, G. Aad *et al.*, “Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s} = 7$ TeV with the ATLAS detector,” [arXiv:1107.3311 \[hep-ex\]](#).
- [15] **ATLAS Collaboration**, G. Aad *et al.*, “Measurement of the transverse momentum distribution of Z/ γ^* bosons in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector,” [arXiv:1107.2381 \[hep-ex\]](#).

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- [17] **ATLAS** Collaboration, G. Aad *et al.*, “Measurement of the isolated di-photon cross-section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” [arXiv:1107.0581 \[hep-ex\]](#).
- [18] **ATLAS** Collaboration, G. Aad *et al.*, “Search for Diphoton Events with Large Missing Transverse Energy with 36 pb^{-1} of 7 TeV Proton-Proton Collision Data with the ATLAS Detector,” [arXiv:1107.0561 \[hep-ex\]](#).
- [19] **ATLAS** Collaboration, G. Aad *et al.*, “Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions,” [arXiv:1106.5327 \[hep-ex\]](#).
- [20] **ATLAS** Collaboration, G. Aad *et al.*, “Measurement of the Upsilon(1S) Production Cross-Section in pp Collisions at $\sqrt{s} = 7$ TeV in ATLAS,” [arXiv:1106.5325 \[hep-ex\]](#).
- [21] **ATLAS** Collaboration, G. Aad *et al.*, “Search for Heavy Long-Lived Charged Particles with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV,” [arXiv:1106.4495 \[hep-ex\]](#).
- [22] **ATLAS** Collaboration, G. Aad *et al.*, “Limits on the production of the Standard Model Higgs Boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” [arXiv:1106.2748 \[hep-ex\]](#).
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$\sqrt{s}=7$ TeV using the ATLAS detector at the LHC,”
arXiv:1104.4481 [hep-ex].

- [26] **ATLAS** Collaboration, G. Aad *et al.*, “Search for Contact Interactions in Dimuon Events from pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector,” arXiv:1104.4398 [hep-ex].
- [27] **ATLAS** Collaboration, G. Aad *et al.*, “Measurement of the Inelastic Proton-Proton Cross-Section at $\sqrt{s}=7$ TeV with the ATLAS Detector,” arXiv:1104.0326 [hep-ex].
- [28] **ATLAS** Collaboration, G. Aad *et al.*, “Search for high mass dilepton resonances in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment,” *Phys. Lett. B* **700** (2011) 163–180, arXiv:1103.6218 [hep-ex].
- [29] **ATLAS** Collaboration, G. Aad *et al.*, “Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS experiment,” *Eur. Phys. J. C* **71** (2011) 1682, arXiv:1103.6214 [hep-ex].
- [30] **ATLAS** Collaboration, G. Aad *et al.*, “Search for a heavy particle decaying into an electron and a muon with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC,” arXiv:1103.5559 [hep-ex].
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- [35] **ATLAS** Collaboration, G. Aad *et al.*, “Measurements of underlying-event properties using neutral and charged particles in pp collisions at 900 GeV and 7 TeV with the ATLAS detector at the LHC,” *Eur. Phys. J. C* **71** (2011) 1636, [arXiv:1103.1816 \[hep-ex\]](#).
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- [44] **ATLAS** Collaboration, G. Aad *et al.*, “Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector,” *Phys. Lett. B* **698** (2011) 325–345, [arXiv:1012.5382 \[hep-ex\]](#).
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- [48] **Atlas** Collaboration, G. Aad *et al.*, “Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s} = 900\text{GeV}$ and 7 TeV with the ATLAS detector,” *Phys. Rev. D* **83** (2011) 112001, [arXiv:1012.0791 \[hep-ex\]](#).
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