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AMS

Contributions écrites à des conférences avec comité de lecture

The electromagnetic calorimeter of the AMS-02 experiment
Vecchi M. et al., AMS Coll., Proceedings of SF2A Conference 2012 <http://hal.in2p3.fr/in2p3-00745677>

ATLAS

Articles dans des revues à comité de lecture

Measurement of the W to $\tau\nu$ cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment
Aad G. et al., ATLAS Coll., Physics Letters B706 (2012) 276-294 <http://hal.in2p3.fr/in2p3-00616707>

Measurement of the cross-section for b -jets produced in association with a Z boson at $\sqrt{s}=7$ TeV with the ATLAS detector
Aad G. et al., ATLAS Coll., Physics Letters B706 (2012) 295-313 <http://hal.in2p3.fr/in2p3-00620626>

Search for a heavy Standard Model Higgs boson in the channel $H \rightarrow ZZ \rightarrow \ell^+ \ell^- q \bar{q}$ using the ATLAS detector
Aad G. et al., ATLAS Coll., Physics Letters B707 (2012) 27-45 <http://hal.in2p3.fr/in2p3-00617175>

Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector
Aad G. et al., ATLAS Coll., Physics Letters B707 (2012) 330-348 <http://hal.in2p3.fr/in2p3-00617932>

Measurement of the cross section for the production of a W boson in association with b -jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
Aad G. et al., ATLAS Coll., Physics Letters B707 (2012) 418-437 <http://hal.in2p3.fr/in2p3-00620629>

Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
Aad G. et al., ATLAS Coll., Physics Letters B707 (2012) 438-458 <http://hal.in2p3.fr/in2p3-00618988>

Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV in dilepton final states with ATLAS
Aad G. et al., ATLAS Coll., Physics Letters B707 (2012) 459-477 <http://hal.in2p3.fr/in2p3-00615427>

Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS
Aad G. et al., ATLAS Coll., Physics Letters B707 (2012) 478-496 <http://hal.in2p3.fr/in2p3-00623158>

A study of the material in the ATLAS inner detector using secondary hadronic interactions
Aad G. et al., ATLAS Coll., Journal of Instrumentation 7 (2012) P01013 <http://hal.in2p3.fr/in2p3-00653189>

Search for a heavy neutral particle decaying into an electron and a muon using 1 fb^{-1} of ATLAS data
Aad G. et al., ATLAS Coll., European Physical Journal C71 (2012) 1809 <http://hal.in2p3.fr/in2p3-00624331>

Search for massive colored scalars in four-jet final states in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector
Aad G. et al., ATLAS Coll., European Physical Journal C71 (2012) 1828 <http://hal.in2p3.fr/in2p3-00632568>

Measurement of the inclusive and dijet cross-sections of b -jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
Aad G. et al., ATLAS Coll., European Physical Journal C71 (2012) 1846 <http://hal.in2p3.fr/in2p3-00636229>

K_s^0 and Λ production in pp interactions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector at the LHC
Aad G. et al., ATLAS Coll., Physical Review D85 (2012) 012001 <http://hal.in2p3.fr/in2p3-00639324>

Measurement of the isolated di-photon cross-section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
Aad G. et al., ATLAS Coll., Physical Review D85 (2012) 012003 <http://hal.in2p3.fr/in2p3-00606161>

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Aad G. et al., ATLAS Coll., Physical Review D85 (2012) 012005 <http://hal.in2p3.fr/in2p3-00618984>

Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s} = 7$ TeV pp collisions using 1 fb^{-1} of ATLAS data
Aad G. et al., ATLAS Coll., Physical Review D85 (2012) 012006 <http://hal.in2p3.fr/in2p3-00628041>

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Aad G. et al., ATLAS Coll., Physical Review D85 (2012) 032004 <http://hal.in2p3.fr/in2p3-00657200>

Measurement of the production cross section for Z/γ^ in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*
Aad G. et al., ATLAS Coll., Physical Review D85 (2012) 032009 <http://hal.in2p3.fr/in2p3-00640656>

Search for new phenomena in $t \bar{t}$ events with large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
Aad G. et al., ATLAS Coll., Physical Review Letters 108 (2012) 041805 <http://hal.in2p3.fr/in2p3-00628305>

Measurement of the ZZ production cross section and limits on anomalous neutral triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
Aad G. et al., ATLAS Coll., Physical Review Letters 108 (2012) 041804 <http://hal.in2p3.fr/in2p3-00635350>

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A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at $\sqrt{s} = 7$ TeV with ATLAS

Aad G. et al., ATLAS Coll., Physics Letters B708 (2012) 221-240
<http://hal.in2p3.fr/in2p3-00617174>

Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions

Aad G. et al., ATLAS Coll., Physics Letters B709 (2012) 137-157
<http://hal.in2p3.fr/in2p3-00653191>

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<http://hal.in2p3.fr/in2p3-00632535>

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Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector

Aad G. et al., ATLAS Coll., Physics Letters B710 (2012) 363-382
<http://hal.in2p3.fr/in2p3-00617928>

Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{()} \rightarrow 4\ell$ with 4.8 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV with ATLAS*

Aad G. et al., ATLAS Coll., Physics Letters B710 (2012) 383-402
<http://hal.in2p3.fr/in2p3-00668406>

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Aad G. et al., ATLAS Coll., Physics Letters B710 (2012) 519-537
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<http://hal.in2p3.fr/in2p3-00668402>

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Aad G. et al., ATLAS Coll., Physical Review Letters 108 (2012) 111802
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Aad G. et al., ATLAS Coll., Physical Review D85 (2012) 092002 <http://hal.in2p3.fr/in2p3-00657197>

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Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector

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Aad G. et al., ATLAS Coll., Journal of High Energy Physics 07 (2012) 167 <http://hal.in2p3.fr/in2p3-00707168>

Measurement of the b-hadron production cross section using decays to $D^{+} \mu^- X$ final states in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*

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CTA

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