

# Publications du LAPP

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## Articles dans des revues à comité de lecture

*Isotopic composition of light nuclei in cosmic rays: results from AMS-01*

Aguilar M., et al., AMS Coll., Astrophysical Journal 736 (2011) 105 <http://hal.in2p3.fr/in2p3-00600263>

## Articles dans des revues à comité de lecture

*Search for quark contact interactions in dijet angular distributions in pp collisions at  $\sqrt{s}=7$  TeV measured with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physics Letters B 694 (2011) 327-345 <http://hal.in2p3.fr/in2p3-00531451>

*Study of jet shapes in inclusive jet production in pp collisions at  $\sqrt{s} = 7$  TeV using the ATLAS detector*

Aad G. et al., ATLAS Coll., Physical Review D83 (2011) 052003 <http://hal.in2p3.fr/in2p3-00553903>

*Measurement of the centrality dependence of  $J/\psi$  yields and observation of Z production in lead-lead collisions with the ATLAS detector at the LHC*

Aad G. et al., ATLAS Coll., Physics Letters B697 (2011) 294-312 <http://hal.in2p3.fr/in2p3-00554929>

*Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1512 <http://hal.in2p3.fr/in2p3-00522603>

*Search for diphoton events with large missing transverse energy in 7 TeV proton-proton collisions with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physical Review Letters 106 (2011) 121803 <http://hal.in2p3.fr/in2p3-00553590>

*Measurement of the inclusive isolated prompt photon cross section in pp collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physical Review D 83 (2011) 052005 <http://hal.in2p3.fr/in2p3-00553603>

*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*

Aad G. et al., ATLAS Coll., Physics Letters B698 (2011) 325-345 <http://hal.in2p3.fr/in2p3-00554921>

*Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC*

Aad G. et al., ATLAS Coll., Physics Letters B698 (2011) 353-370 <http://hal.in2p3.fr/in2p3-00564521>

*Photon reconstruction in the ATLAS inner detector and liquid argon barrel calorimeter at the 2004 combined test beam*

Abat E. et al., ATLAS Coll., Journal of Instrumentation 6 (2011) P04001 <http://hal.in2p3.fr/in2p3-00586616>

*Search for supersymmetry using final states with one lepton, jets, and missing transverse momentum with the ATLAS detector in  $\sqrt{s} = 7$  TeV pp*

Aad G. et al., ATLAS Coll., Physical Review Letters 106 (2011) 131802 <http://hal.in2p3.fr/in2p3-00566250>

*Measurement of dijet azimuthal decorrelations in pp collisions at  $\sqrt{s}=7$  TeV*

Aad G. et al., ATLAS Coll., Physical Review Letters 106 (2011) 172002 <http://hal.in2p3.fr/in2p3-00566280>

*Measurement of the top quark-pair production cross section with ATLAS in pp collisions at  $\sqrt{s}=7$  TeV*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1577 <http://hal.in2p3.fr/in2p3-00553524>

*Studies of the performance of the ATLAS detector using cosmic-ray muons*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1593 <http://hal.in2p3.fr/in2p3-00541736>

*Luminosity determination in pp collisions at  $\sqrt{s} = 7$  TeV using the ATLAS detector at the LHC*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1630 <http://hal.in2p3.fr/in2p3-00555068>

*Measurements of underlying-event properties using neutral and charged particles in pp collisions at  $\sqrt{s}=900$  GeV and  $\sqrt{s}=7$  TeV with the ATLAS detector at the LHC*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1636 <http://hal.in2p3.fr/in2p3-00575777>

*Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC*

Aad G. et al., ATLAS Coll., New Journal of Physics 13 (2011) 053033 <http://hal.in2p3.fr/in2p3-00554914>

*A search for new physics in dijet mass and angular distributions in pp collisions at  $\sqrt{s}=7$  TeV measured with the ATLAS detector*

Aad G. et al., ATLAS Coll., New Journal of Physics 13 (2011) 053044 <http://hal.in2p3.fr/in2p3-00578732>

*Search for high mass dilepton resonances in pp collisions at  $\sqrt{s} = 7$  TeV with the ATLAS experiment*

Aad G. et al., ATLAS Coll., Physics Letters B700 (2011) 163-180 <http://hal.in2p3.fr/in2p3-00582733>

*Measurement of the differential cross-sections of inclusive, prompt and non-prompt  $J/\psi$  production in proton-proton collisions at  $\sqrt{s}=7$  TeV*

Aad G. et al., ATLAS Coll., Nuclear Physics B850 (2011) 387-444 <http://hal.in2p3.fr/in2p3-00586605>

*Measurement of underlying event characteristics using charged particles in pp collisions at  $\sqrt{s} = 900$  GeV and 7 TeV with the ATLAS detector*

Arnaez O. et al., ATLAS Coll., Physical Review D83 (2011) 112001 <http://hal.in2p3.fr/in2p3-00543205>

*Search for pair production of first or second generation leptoquarks in proton-proton collisions at  $\sqrt{s} = 7$  TeV using the ATLAS detector at the LHC*

Aad G. et al., ATLAS Coll., Physical Review D83 (2011) 112006 <http://hal.in2p3.fr/in2p3-00590607>

*Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC*

Aad G. et al., ATLAS Coll., Physics Letters B701 (2011) 1-19 <http://hal.in2p3.fr/in2p3-00575808>

*Measurement of the W charge asymmetry in the  $W \rightarrow \mu\nu$  decay mode in pp collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physics Letters B701 (2011) 31-49 <http://hal.in2p3.fr/in2p3-00577025>

*Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physics Letters B701 (2011) 50-69 <http://hal.in2p3.fr/in2p3-00575330>

*Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in  $\sqrt{s} = 7$  TeV proton-proton collisions*

Aad G. et al., ATLAS Coll., Physics Letters B701 (2011) 186-203 <http://hal.in2p3.fr/in2p3-00576549>

*Search for supersymmetry in pp collisions at  $\sqrt{s} = 7$  TeV in final states with missing transverse momentum and b-jets*

Aad G. et al., ATLAS Coll., Physics Letters B701 (2011) 398-416 <http://hal.in2p3.fr/in2p3-00580618>

*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*

Aad G. et al., ATLAS Coll., Physical Review Letters 106 (2011) 251801 <http://hal.in2p3.fr/in2p3-00581038>

*Search for contact interactions in dimuon events from pp collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physical Review D84 (2011) 011101 <http://hal.in2p3.fr/in2p3-00590609>

*Measurement of the  $W^+W^-$  cross section in  $\sqrt{s} = 7$  TeV pp collisions with ATLAS*

Aad G. et al., ATLAS Coll., Physical Review Letters 107 (2011) 041802 <http://hal.in2p3.fr/in2p3-00589233>

*Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in  $\sqrt{s} = 7$  TeV proton-proton collisions with the ATLAS detector*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1647 <http://hal.in2p3.fr/in2p3-00582741>

*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*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1682 <http://hal.in2p3.fr/in2p3-00582737>

*Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at  $\sqrt{s} = 7$  TeV*

Aad G. et al., ATLAS Coll., Physics Letters B703 (2011) 428-446 <http://hal.in2p3.fr/in2p3-00603119>

*A layer correlation technique for pion energy calibration at the 2004 ATLAS combined beam test*

Abat A. et al., ATLAS Coll., Journal of Instrumentation 6 (2011) P06001 <http://hal.in2p3.fr/in2p3-00566234>

*Measurement of the inelastic proton-proton cross-section at  $\sqrt{s} = 7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Nature Communications 3 (2011) 463 <http://hal.in2p3.fr/in2p3-00628306>

*Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy  $\sqrt{s} = 7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physical Review D84 (2011) 054001 <http://hal.in2p3.fr/in2p3-00610553>

*Limits on the production of the standard model Higgs boson in pp collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1728 <http://hal.in2p3.fr/in2p3-00600488>

*Measurement of the Upsilon(1S) production cross-section in pp Collisions at  $\sqrt{s} = 7$  TeV in ATLAS*

Aad G. et al., ATLAS Coll., Physics Letters B705 (2011) 9-27 <http://hal.in2p3.fr/in2p3-00604062>

*Search for a heavy gauge boson decaying to a charged lepton and a neutrino in  $1 \text{ fb}^{-1}$  of pp collisions at  $\sqrt{s} = 7$  TeV using the ATLAS detector*

Aad G. et al., ATLAS Coll., Physics Letters B705 (2011) 28-48 <http://hal.in2p3.fr/in2p3-00614063>

*Search for neutral MSSM Higgs bosons decaying to  $\tau^+\tau^-$  pairs in proton-proton collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physics Letters B705 (2011) 174-192 <http://hal.in2p3.fr/in2p3-00611267>

*Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in  $\sqrt{s} = 7$  TeV proton-proton collisions*

Aad G. et al., ATLAS Coll., Physics Letters B705 (2011) 294-312 <http://hal.in2p3.fr/in2p3-00604064>

*Measurement of the transverse momentum distribution of  $Z/\gamma^*$  bosons in proton-proton collisions at properties of jets measured from tracks in proton-proton collisions at center-of-mass energy  $\sqrt{s} = 7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physics Letters B705 (2011) 415-434 <http://hal.in2p3.fr/in2p3-00610545>

*Search for the Standard Model Higgs boson in the decay channel  $H \rightarrow ZZ^{(*)} \rightarrow 4\ell$  with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physics Letters B705 (2011) 435-451 <http://hal.in2p3.fr/in2p3-00637978>

*Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC*

Aad G. et al., ATLAS Coll., Physics Letters B705 (2011) 452-470 <http://hal.in2p3.fr/in2p3-00617936>

*Measurement of dijet production with a veto on additional central jet activity in  $pp$  collisions at  $\sqrt{s}=7$  TeV using the ATLAS detector*

Aad G. et al., ATLAS Coll., Journal of High Energy Physics 9 (2011) 53 <http://hal.in2p3.fr/in2p3-00607930>

*Measurement of  $W\gamma$  and  $Z\gamma$  production in proton-proton collisions at  $\sqrt{s}=7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Journal of High Energy Physics 9 (2011) 72 <http://hal.in2p3.fr/in2p3-00599308>

*Search for diphoton events with large missing transverse energy with  $30\text{ pb}^{-1}$  of 7 TeV proton-proton collision data with the ATLAS detector*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1744 <http://hal.in2p3.fr/in2p3-00606029>

*Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1763 <http://hal.in2p3.fr/in2p3-00608286>

*Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., European Physical Journal C71 (2011) 1795 <http://hal.in2p3.fr/in2p3-00628303>

*Measurement of the inclusive isolated prompt photon cross-section in  $pp$  collisions at  $\sqrt{s}=7$  TeV using  $35\text{ pb}^{-1}$  of ATLAS data*

Aad G. et al., ATLAS Coll., Physics Letters B706 (2011) 150-167 <http://hal.in2p3.fr/in2p3-00613010>

*Search for a Standard Model Higgs boson in the  $H \rightarrow ZZ \rightarrow \ell^+ \ell^- \nu \bar{\nu}$  decay channel with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physical Review Letters 107 (2011) 221802 <http://hal.in2p3.fr/in2p3-00624330>

*Search for the Higgs boson in the  $H \rightarrow WW \rightarrow l\nu jj$  decay channel in  $pp$  collisions at  $\sqrt{s}=7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physical Review Letters 107 (2011) 231801 <http://hal.in2p3.fr/in2p3-00624555>

*Search for dilepton resonances in  $pp$  collisions at  $\sqrt{s}=7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physical Review Letters 107 (2011) 272002 <http://hal.in2p3.fr/in2p3-00614067>

*Inclusive search for same-sign dilepton signatures in  $pp$  collisions at  $\sqrt{s}=7$  TeV with the ATLAS detector*

Aad G. et al., ATLAS Coll., Journal of High Energy Physics 10 (2011) 107 <http://hal.in2p3.fr/in2p3-00613012>

*Measurement of the  $Z \rightarrow \tau\tau$  cross section with the ATLAS detector*

Aad G. et al., ATLAS Coll., Physical Review D 84 (2011) 112006 <http://hal.in2p3.fr/in2p3-00614506>

*Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using  $\nu(s)=7$  TeV  $pp$  collisions with the ATLAS detector*

Aad G. et al., ATLAS Coll., Journal of High Energy Physics 11 (2011) 099 <http://hal.in2p3.fr/in2p3-00632557>

## BABAR

### Articles dans des revues à comité de lecture

*Measurement of partial branching fractions of inclusive charmless  $B$  meson decays to  $K^+$ ,  $K^0$  and  $\pi^+$*

**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 031103 <http://hal.in2p3.fr/in2p3-00550050>

*Studies of  $\tau^- \rightarrow \epsilon K^- \nu$  and  $\tau^- \rightarrow \eta \pi^- \nu$  at BaBar and a search for a second-class current*

**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 032002 <http://hal.in2p3.fr/in2p3-00574527>

*Measurement of the  $B \rightarrow \bar{D}^{(*)} D^{(*)} K$  branching fractions*

**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 032004 <http://hal.in2p3.fr/in2p3-00575996>

*A search for the decay  $B^0 \rightarrow \gamma\gamma$*

**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 032006 <http://hal.in2p3.fr/in2p3-00534032>

*Study of  $B \rightarrow \pi \ell \nu$  and  $B \rightarrow \rho \ell \nu$  decays and determination of  $|V_{ub}|$*

**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 032007 <http://hal.in2p3.fr/in2p3-00487057>

*Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in  $B^+ \rightarrow \rho^0 K^{*+}$  and  $B^+ \rightarrow f_0(980) K^{*+}$  decays*

**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 051101 <http://hal.in2p3.fr/in2p3-00556659>

*Dalitz plot analysis of  $D_s^+ \rightarrow K^+ K^- \pi^+$*

**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 052001 <http://hal.in2p3.fr/in2p3-00576888>

*Measurement of the  $B^0 \rightarrow \pi^+ \ell^+ \nu$  and  $B^+ \rightarrow \eta^{(\prime)} \ell^+ \nu$  branching fractions, the  $B^0 \rightarrow \pi^+ \ell^+ \nu$  and  $B^+ \rightarrow \eta \ell^+ \nu$  form-factor shapes, and determination of  $|V_{ub}|$*

**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 052011 <http://hal.in2p3.fr/in2p3-00529617>

*Search for CP Violation in the decay  $D_s^+ \rightarrow K_s^0 \pi^+$*

**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 071103 <http://hal.in2p3.fr/in2p3-00576901>

*Analysis of the  $D^+ \rightarrow K \pi^+ e^+ \nu_e$  decay channel*  
**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 072001 <http://hal.in2p3.fr/in2p3-00546152>

*Measurement of the mass and width of the  $D_{s1}(2536)^+$  meson*  
**Lees J.P.** et al, BABAR Coll., Physical Review D83 (2011) 072003 <http://hal.in2p3.fr/in2p3-00580598>

*Searches for the baryon- and lepton-number violating decays  $B^0 \rightarrow \Lambda_c^+ \ell$ ,  $B^- \rightarrow \Lambda \ell$ , and  $B^- \rightarrow \bar{\Lambda} \ell$*   
**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D83 (2011) 091101 <http://hal.in2p3.fr/in2p3-00561724>

*Amplitude analysis of  $B^0 \rightarrow K^+ \pi^- \pi^0$  and evidence of direct CP violation in  $B \rightarrow K^* \pi$  decays*  
**Lees J.P.** et al, BABAR Coll., Physical Review D83 (2011) 112010 <http://hal.in2p3.fr/in2p3-00590153>

*Search for production of invisible final states in single-photon decays of  $\Upsilon(1S)$*   
**Del Amo Sanchez P.** et al, BABAR Coll., Phys. Rev. Lett. 107 (2011) 021804 <http://hal.in2p3.fr/in2p3-00544340>

*Observation of the decay  $B^- \rightarrow D_s^{(*)-} K \ell^- \bar{\nu}_\ell$*   
**Del Amo Sanchez P.** et al, BABAR Coll., Phys. Rev. Lett. 107 (2011) 041804 <http://hal.in2p3.fr/in2p3-00556686>

*Measurements of branching fractions and CP asymmetries and studies of angular distributions for  $B$  to  $\phi\phi K$  decays*  
**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 012001 <http://hal.in2p3.fr/in2p3-00597162>

*Search for  $b \rightarrow u$  transitions in  $B^\pm \rightarrow [K^\mp \pi^\pm \pi^0]_D K^\pm$  decays*  
**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 012002 <http://hal.in2p3.fr/in2p3-00591631>

*Observation of  $\eta_c(1S)$  and  $\eta_c(2S)$  decays to  $K^+ K \pi^+ \pi^-$  in two-photon interactions*  
**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D84 (2011) 012004 <http://hal.in2p3.fr/in2p3-00580601>

*Study of di-pion bottomonium transitions and search for the  $h_b(1P)$  state*  
**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 011104 <http://hal.in2p3.fr/in2p3-00595421>

*Search for CP violation using T-odd correlations in  $D^+ \rightarrow K^+ K_S^0 \pi^+ \pi^-$  and  $D_s^+ \rightarrow K^+ K_S^0 \pi^+ \pi^-$  decays*  
**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 031103 <http://hal.in2p3.fr/in2p3-00595433>

*Measurement of the gamma  $\gamma^* \rightarrow \varepsilon$  and  $\gamma\gamma^* \rightarrow \varepsilon'$  transition form factors*  
**Del Amo Sanchez P.** et al, BABAR Coll., Physical Review D84 (2011) 052001 <http://hal.in2p3.fr/in2p3-00556666>

*Observation of the baryonic  $B$  decay  $\bar{B}^0 \rightarrow \Lambda_c^+ \bar{\Lambda} K$*   
**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 071102 <http://hal.in2p3.fr/in2p3-00618387>

*A study of radiative bottomonium transitions using converted photons*

**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 072002 <http://hal.in2p3.fr/in2p3-00591643>

*Searches for rare or forbidden semileptonic charm decays*

**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 072006 <http://hal.in2p3.fr/in2p3-00614119>

*Evidence for the  $h_b(1P)$  meson in the decay  $\Upsilon(3S) \rightarrow \pi^0 h_b(1P)$*   
**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 091101 <http://hal.in2p3.fr/in2p3-00576931>

*Study of  $\Upsilon(3S,2S) \rightarrow \eta\Upsilon(1S)$  and  $\Upsilon(3S,2S) \rightarrow \pi^+ \pi^- \Upsilon(1S)$  hadronic transitions*  
**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 092003 <http://hal.in2p3.fr/in2p3-00624270>

*Observation of the rare decay  $B^+ \rightarrow K^+ \pi^0 \pi^0$  and measurement of the quasi-two body contributions  $B^+ \rightarrow K^*(892)^+ \pi^0$ ,  $B^+ \rightarrow f_0(980) K^+$  and  $B^+ \rightarrow \chi_{c0} K^+$*   
**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 092007 <http://hal.in2p3.fr/in2p3-00626603>

*Search for hadronic decays of a light Higgs boson in the radiative decay  $\Upsilon \rightarrow \gamma A^0$*   
**Lees J.P.** et al, BABAR Coll., Phys. Rev. Lett. 107 (2011) 221803 <http://hal.in2p3.fr/in2p3-00618385>

*Branching fraction measurements of the color-suppressed decays  $\bar{B}^0 \rightarrow D^{(*)0} \pi^0$ ,  $D^{(*)0} \eta$ ,  $D^{(*)0} \omega$ , and  $D^{(*)0} \eta'$  and measurement of the polarization in the decay  $\bar{B}^0 \rightarrow D^{*0} \omega$*   
**Lees J.P.** et al, BABAR Coll., Physical Review D84 (2011) 112007 <http://hal.in2p3.fr/in2p3-00614114>

*A measurement of the semileptonic branching fraction of the  $B_s$  meson*  
**Lees J.P.** et al, BABAR Coll., Physical Review D85 (2012) 011101 <http://hal.in2p3.fr/in2p3-00636322>

## CKMfitter

### Articles dans des revues à comité de lecture

*Anatomy of new physics in  $B$ - $\bar{B}$  mixing*

Lentz A. et al., CKMfitter, Physical Review D83 (2011) 036004 <http://hal.archives-ouvertes.fr/hal-00515524>

*Predictions of selected flavour observables within the Standard Model*

Charles J. et al., Physical Review Letters 84 (2011) 033005 <http://hal.archives-ouvertes.fr/hal-00602509>



## Articles dans des revues à comité de lecture

*First measurement of the cross section for top-quark pair production in proton-proton collisions at  $\sqrt{s}=7$  TeV*

Khachatryan V., et al., CMS Coll., Physics Letters B695 (2011) 424-443 <http://hal.in2p3.fr/in2p3-00534081>

*Search for stopped gluinos in pp collisions at  $\sqrt{s}=7$  TeV*

Khachatryan V., et al., CMS Coll., Physical Review Letters 106 (2011) 011801 <http://hal.in2p3.fr/in2p3-00540935>

*Measurement of the isolated prompt photon production cross section in pp collisions at  $\sqrt{s}=7$  TeV*

Khachatryan V., et al., CMS Coll., Physical Review Letters 106 (2011) 082001 <http://hal.in2p3.fr/in2p3-00546140>

*Search for microscopic black hole signatures at the Large Hadron Collider*

Khachatryan V., et al., CMS Coll., Physics Letters B697 (2011) 434-453 <http://hal.in2p3.fr/in2p3-00554902>

*Search for a heavy gauge boson  $W'$  in the final state with an electron and large missing transverse energy in pp collisions at  $\sqrt{s}=7$  TeV*

Khachatryan V., et al., CMS Coll., Physics Letters B698 (2011) 21-39 <http://hal.in2p3.fr/in2p3-00553516>

*Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy*

Khachatryan V., et al., CMS Coll., Physics Letters B698 (2011) 196-218 <http://hal.in2p3.fr/in2p3-00554670>

*Charged particle multiplicities in pp interactions at  $\sqrt{s}=0.9, 2.36,$  and 7 TeV*

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