

S P Amor Dos Santos

List of Articles by Year in descending order

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460

PR articles

24,283

PR citations

6980

74

PR h-index

6974

152

g-index

461

documents

26026

doc citations

8245

77

h-index

14712

citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Elimination of searches for singly produced vectorlike top quarks in collisions at Search for Magnetic Monopole Pair Production in Ultraperipheral Pb+Pb | 4.7 | 2 |
| 2 | Collisions at $\sqrt{s_{NN}}=5.36$ TeV with the ATLAS Detector at the LHC. Physical Review Letters, 2025, 134, . | 8.2 | 6 |
| 3 | final state using pp collisions at Measurement of photonuclear jet production in ultraperipheral Pb+Pb | 4.7 | 4 |
| 4 | collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. Physical Review D, 2025, 111, . | 4.7 | 9 |
| 5 | Production of a Dark Higgs Boson in the collisions at Search for Magnetic Monopole Pair Production in Ultraperipheral Pb+Pb | 8.2 | 3 |
| 6 | Production in Pb+Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS Detector. Physical Review Letters, 2025, 134, . | 8.2 | 2 |
| 7 | collisions at Search for cascade decays of charged sleptons and sneutrinos in final states with three leptons and missing transverse momentum in | 3.2 | 4 |
| 8 | collisions at Search for new physics in final states with semivisible jets or anomalous signatures using the ATLAS detector. Physical Review D, 2025, 112, . | 4.7 | 2 |
| 9 | Search for charged Higgs bosons produced in top-quark decays or in association with top quarks and decaying via | 4.7 | 2 |
| 10 | Measurement of the production cross-section of $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4\ell$ cross-sections in pp collisions at $\sqrt{s}=13.6$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, . | 4.7 | 5 |
| 11 | Measurement of the production cross-section of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s}=13.6$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, . | 4.3 | 5 |
| 12 | Measurement of the production cross-section of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s}=13.6$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, . | 4.3 | 7 |
| 13 | A precise measurement of the Z-boson double-differential transverse momentum and rapidity distributions in the full phase space of the decay leptons with the ATLAS experiment at $\sqrt{s}=8$ TeV. European Physical Journal C, 2024, 84, . | 4.3 | 9 |
| 14 | Software Performance of the ATLAS Track Reconstruction for LHC Run 3. Computing and Software for Big Science, 2024, 8, . | 3.6 | 12 |
| 15 | Performance of the ATLAS forward proton Time-of-Flight detector in Run 2. Journal of Instrumentation, 2024, 19, P05054. | 1.2 | 1 |
| 16 | Beam-induced backgrounds measured in the ATLAS detector during local gas injection into the LHC beam vacuum. Journal of Instrumentation, 2024, 19, P06014. | 1.2 | 1 |
| 17 | Search for short- and long-lived axion-like particles in $H \rightarrow a \rightarrow 4\gamma$ decays with the ATLAS experiment at the LHC. European Physical Journal C, 2024, 84, . | 4.3 | 10 |
| 18 | Search for flavour-changing neutral-current couplings between the top quark and the Higgs boson in multi-lepton final states in $\sqrt{s}=13.6$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2024, 84, . | 4.3 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Search for leptoquark pair production decaying into $t\bar{e}^+$ or $t\bar{\mu}^+$ in multi-lepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, . | 4.3 | 4 |
| 20 | Measurements of the production cross-section for a Z boson in association with b- or c-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, . | 4.3 | 3 |
| 21 | Precise test of lepton flavour universality in W -boson decays into muons and electrons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, . | 4.3 | 2 |
| 22 | Constraints on simplified dark matter models involving an s-channel mediator with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2024, 84, . | 4.3 | 8 |
| 23 | Search for parity violating supersymmetric decays of the top squark to a heavy right-handed Majorana neutrino and a top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2024, 110, . | 4.7 | 1 |
| 24 | Search for heavy right-handed Majorana neutrinos in the decay of top quarks produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2024, 110, . | 4.7 | 4 |
| 25 | Disentangling Sources of Momentum Fluctuations in Xe+Xe and Pb+Pb Collisions with the ATLAS Detector. Physical Review Letters, 2024, 133, . | 8.2 | 13 |
| 26 | Simultaneous Unbinned Differential Cross-Section Measurement of Twenty-Four Z+jets Kinematic Observables with the ATLAS Detector. Physical Review Letters, 2024, 133, . | 8.2 | 14 |
| 27 | Measurement of the nuclear modification factor of b-jets in 5.02 TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 11 |
| 28 | Observation of four-top-quark production in the multilepton final state with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 34 |
| 29 | Constraints on spin-0 dark matter mediators and invisible Higgs decays using ATLAS 13 TeV pp collision data with two top quarks and missing transverse momentum in the final state. European Physical Journal C, 2023, 83, . | 4.3 | 13 |
| 30 | Searches for new phenomena in events with two leptons, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 29 |
| 31 | Measurements of observables sensitive to colour reconnection in $t\bar{t}$ events with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2023, 83, . | 4.3 | 3 |
| 32 | Search for Higgs boson pair production in association with a vector boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 5 |
| 33 | Measurement of the total cross section and σ_{ho} -parameter from elastic scattering in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 28 |
| 34 | Measurement of $Z\gamma\gamma$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 8 |
| 35 | Measurement of the CP properties of Higgs boson interactions with $\tau\bar{\nu}_\tau$ -leptons with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 14 |
| 36 | Search for supersymmetry in final states with missing transverse momentum and three or more b-jets in $\sqrt{s} = 13$ TeV proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Search for doubly charged Higgs boson production in multi-lepton final states using 139fb^{-1} of proton-proton collisions at $\sqrt{s} = 13\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 29 |
| 38 | Search for dark matter produced in association with a single top quark and an energetic W boson in $\sqrt{s} = 13\text{TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 5 |
| 39 | Measurement of exclusive pion pair production in proton-proton collisions at $\sqrt{s} = 7, \text{ext} \{ \text{TeV} \}$ with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 1 |
| 40 | Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s} = 13\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 12 |
| 41 | ATLAS flavour-tagging algorithms for the LHC Run 2 pp collision dataset. European Physical Journal C, 2023, 83, . | 4.3 | 81 |
| 42 | Studies of the muon momentum calibration and performance of the ATLAS detector with pp collisions at $\sqrt{s} = 13\text{TeV}$. European Physical Journal C, 2023, 83, . | 4.3 | 30 |
| 43 | New techniques for jet calibration with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 8 |
| 44 | Measurements of W^+W^- production in decay topologies inspired by searches for electroweak supersymmetry. European Physical Journal C, 2023, 83, . | 4.3 | 2 |
| 45 | Search for pair-produced vector-like top and bottom partners in events with large missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 19 |
| 46 | Searches for exclusive Higgs and Z boson decays into a vector quarkonium state and a photon using 139fb^{-1} of ATLAS $\sqrt{s} = 13\text{TeV}$ proton-proton collision data. European Physical Journal C, 2023, 83, . | 4.3 | 11 |
| 47 | Search for Majorana neutrinos in same-sign WW scattering events from pp collisions at $\sqrt{s} = 13\text{TeV}$. European Physical Journal C, 2023, 83, . | 4.3 | 12 |
| 48 | Calibration of the light-flavour jet mistagging efficiency of the b-tagging algorithms with Z+jets events using 139fb^{-1} of ATLAS proton-proton collision data at $\sqrt{s} = 13\text{TeV}$. European Physical Journal C, 2023, 83, . | 4.3 | 39 |
| 49 | Measurements of differential cross sections of Higgs boson production through gluon fusion in the $H \rightarrow WW^* \rightarrow e\mu u$ final state at $\sqrt{s} = 13\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 3 |
| 50 | Search for pair production of third-generation leptoquarks decaying into a bottom quark and a τ -lepton with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 12 |
| 51 | Performance of the reconstruction of large impact parameter tracks in the inner detector of ATLAS. European Physical Journal C, 2023, 83, . | 4.3 | 12 |
| 52 | Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with charged leptons and jets in pp collisions at $\sqrt{s} = 13\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2023, 83, . | 4.3 | 17 |
| 53 | Luminosity determination in pp collisions at $\sqrt{s} = 13\text{TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2023, 83, . | 4.3 | 103 |
| 54 | Emulating the impact of additional proton-proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events. Computing and Software for Big Science, 2022, 6, . | 3.6 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, . | 4.3 | 16 |
| 56 | Measurement of the c-jet mistagging efficiency in $\sqrt{s} = 13$ TeV events using pp collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, . | 4.3 | 51 |
| 57 | Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, . | 4.9 | 2 |
| 58 | Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, . | 4.3 | 17 |
| 59 | Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, . | 4.9 | 15 |
| 60 | AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, . | 3.6 | 68 |
| 61 | Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu_{\mu} (\rightarrow \pi^{\pm} \nu_{\pi}) \nu_{\tau}$ events in Run 2 data. European Physical Journal C, 2022, 82, . | 4.3 | 8 |
| 62 | The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s} = 13$ TeV during LHC Run 2. European Physical Journal C, 2022, 82, . | 4.3 | 27 |
| 63 | Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, . | 4.3 | 14 |
| 64 | Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s} = 13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, . | 4.3 | 6 |
| 65 | Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. European Physical Journal C, 2022, 82, . | 4.3 | 34 |
| 66 | Search for long-lived charginos based on a disappearing-track signature using 136 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, . | 4.3 | 38 |
| 67 | Two-particle Bose-Einstein correlations in $\{pp\}$ collisions at $\sqrt{s} = 13$ TeV measured with the ATLAS detector at the LHC. European Physical Journal C, 2022, 82, . | 4.3 | 8 |
| 68 | Constraints on Higgs boson properties using $WW^{*} \rightarrow e\mu u$ production in 36.1 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2022, 82, . | 4.3 | 13 |
| 69 | Direct constraint on the Higgs-charm coupling from a search for Higgs boson decays into charm quarks with the ATLAS detector. European Physical Journal C, 2022, 82, . | 4.3 | 28 |
| 70 | Search for type-III seesaw heavy leptons in leptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, . | 4.3 | 17 |
| 71 | Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 11 |
| 72 | Medium-Induced Modification of Z-Tagged Charged Particle Yields in Pb+Pb Collisions at 5.02 TeV with the ATLAS Detector. Physical Review Letters, 2021, 126, . | 8.2 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb ⁻¹ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 70 |
| 74 | Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. European Physical Journal C, 2021, 81, . | 4.3 | 20 |
| 75 | Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 13, 14$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 70 |
| 76 | Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 31 |
| 77 | Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13, 14$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 26 |
| 78 | Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb ⁻¹ of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 40 |
| 79 | Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 10 |
| 80 | Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 29 |
| 81 | Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 31 |
| 82 | Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 24 |
| 83 | Measurement of the CP-violating phase ϕ_{13} in $B_{s0} \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, . | 4.3 | 26 |
| 84 | Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, . | 4.3 | 27 |
| 85 | Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- \gamma Z$ final states using 139 fb ⁻¹ of proton-proton collisions at $\sqrt{s} = 13, 14$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 63 |
| 86 | Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 30 |
| 87 | Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $e^+e^- \rightarrow e^+e^- H H$ and $e^+e^- \rightarrow e^+e^- W W$ final states in pp collisions at $\sqrt{s} = 13, 14$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 38 |
| 88 | Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 39 |
| 89 | Measurements of $W+W\gamma$ + 1 jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 15 |
| 90 | Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 81 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, . | 4.3 | 29 |
| 92 | Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 36 |
| 93 | Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 819-825. | 16.0 | 18 |
| 94 | Search for Displaced Leptons in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector. Physical Review Letters, 2021, 127, . | 8.2 | 29 |
| 95 | Test of the universality of τ , μ , and e lepton couplings in W-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 813-818. | 16.0 | 30 |
| 96 | Two-particle azimuthal correlations in photonuclear ultraperipheral Pb+Pb collisions at 5.02 TeV with ATLAS. Physical Review C, 2021, 104, . | 3.2 | 39 |
| 97 | Search for supersymmetry in events with four or more charged leptons in 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 25 |
| 98 | Determination of the parton distribution functions of the proton from ATLAS measurements of differential W_{\pm} and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 16 |
| 99 | Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 18 |
| 100 | A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 8 |
| 101 | Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, . | 4.3 | 172 |
| 102 | Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 21 |
| 103 | Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 7 |
| 104 | Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 154 |
| 105 | Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. Journal of Instrumentation, 2021, 16, P08025. | 1.2 | 9 |
| 106 | Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 21 |
| 107 | Exclusive dimuon production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV | 3.2 | 29 |
| 108 | Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at $\sqrt{s}=13$ TeV Using the ATLAS Detector. Physical Review Letters, 2021, 127, . | 8.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Search for dark matter produced in association with a single top quark in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 14 |
| 110 | Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13\text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 26 |
| 111 | Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, . | 4.3 | 6 |
| 112 | Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 23 |
| 113 | Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13\text{ TeV}$ proton-proton collision data. European Physical Journal C, 2021, 81, . | 4.3 | 20 |
| 114 | Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 17 |
| 115 | Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 20 |
| 116 | Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 12 |
| 117 | Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13\text{ TeV}$ using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 11 |
| 118 | Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13\text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, . | 4.3 | 72 |
| 119 | Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, . | 4.3 | 15 |
| 120 | Search for Lepton-Flavor Violation in Z-Boson Decays with τ, μ, e Leptons with the ATLAS Detector. Physical Review Letters, 2021, 127, . | 8.2 | 22 |
| 121 | Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow \tau^+ J/\psi K^{\pm}$ in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, . | 4.9 | 7 |
| 122 | Dijet Resonance Search with Weak Supervision Using $\sqrt{s}=13\text{ TeV}$ pp Collisions in the ATLAS Detector. Physical Review Letters, 2020, 125, . | 8.2 | 104 |
| 123 | Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, . | 4.9 | 29 |
| 124 | Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, . | 4.9 | 27 |
| 125 | Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $H \rightarrow b\bar{b}$ decay channel at $\sqrt{s} = 13\text{ TeV}$. European Physical Journal C, 2020, 80, . | 4.3 | 40 |
| 126 | Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, . | 4.3 | 53 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Properties of Higgs Boson Interactions with Top Quarks in the $t\bar{t}A$ and tH Processes Link | 8.2 | 58 |
| 128 | Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, . | 4.9 | 15 |
| 129 | Search for the $HH \rightarrow \gamma\gamma$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, . | 4.9 | 26 |
| 130 | Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, . | 4.9 | 16 |
| 131 | Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, . | 8.2 | 140 |
| 132 | Measurements of top-quark pair spin correlations in the $\mu\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, . | 4.3 | 38 |
| 133 | Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector. Physical Review Letters, 2020, 125, . | 8.2 | 22 |
| 134 | Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, . | 4.3 | 63 |
| 135 | Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, . | 4.9 | 49 |
| 136 | Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, . | 8.2 | 44 |
| 137 | Measurement of the $t\bar{t}$ production cross-section and lepton differential distributions in $\mu\mu$ dilepton events from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, . | 4.3 | 41 |
| 138 | Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb $^{-1}$ of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, . | 4.9 | 21 |
| 139 | Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, . | 8.2 | 35 |
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