Jordi Duarte-Campderros

List of Articles by Year
in descending order

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61 peer-reviewed articles	1,044 peer-reviewed citations	847850 16 peer-reviewed h-index	413290 4.63 score
61 documents	1111 doc citations	867834 17 h-index	2 citing authors

#	Article	IF	Citations
1	Search for lepton flavor violation in the production and decay of top quarks using trilepton final states in proton-proton collisions at $\sqrt{s}$	3.4	2
2	Search for New Resonances Decaying to Pairs of Merged Diphotons in Proton-Proton Collisions at $\sqrt{s}$	5.8	2
3	Impact of neutron irradiation on LGADs with a carbon-enriched shallow multiplication layer: Degradation of timing performance and gain. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2025, 1074, 170309.	0.9	1
4	Test of lepton flavor universality in semileptonic B_c^+	3.4	4
5	Search for Nuclear Modifications of B^+ Meson Production in p-Pb Collisions at $\sqrt{s_{NN}}$=8.16 TeV. Physical Review Letters, 2025, 134, .	5.8	3
6	Search for Fractionally Charged Particles in Proton-Proton Collisions at $\sqrt{s}$=13 TeV. Physical Review Letters, 2025, 134, .	5.8	10
7	Energy-scaling behavior of intrinsic transverse-momentum parameters in Drell-Yan simulation. Physical Review D, 2025, 111, .	3.4	3
8	Measurement of the Higgs boson mass and width using the four-lepton final state in proton-proton collisions at $\sqrt{s}$	3.4	14
9	Observation of $WZ\gamma$ production and constraints on new physics scenarios in proton-proton collisions at $\sqrt{s}$=13 TeV. Physical Review D, 2025, 112, .	3.4	3
10	Search for a Neutral Gauge Boson with Nonuniversal Fermion Couplings in Vector Boson Fusion Processes in Proton-Proton Collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>13</mml:mn><mml:mtext> </mml: Physical Review Letters, 2025, 135, .	5.8	0
11	Evidence for Similar Collectivity of High Transverse-Momentum Particles in p-Pb and Pb-Pb Collisions. Physical Review Letters, 2025, 135, .	5.8	5
12	Measurement of WWZ	5.8	3
13	Observation of the Charged-Particle Multiplicity Dependence of $\sigma\psi(2S)/\sigma J/\psi$ in p-Pb Collisions at 8.16 TeV. Physical Review Letters, 2025, 135, .	5.8	3
14	Search for Soft Unclustered Energy Patterns in Proton-Proton Collisions at 13 TeV. Physical Review Letters, 2024, 133, .	5.8	7
15	Observation of double J/ψ meson production in pPb collisions at $\sqrt{s_{NN}}$=8.16 TeV. Physical Review D, 2024, 110, .	3.4	7
16	Searches for Pair-Produced Multijet Resonances Using Data Scouting in Proton-Proton Collisions at $\sqrt{s}$=13 TeV. Physical Review Letters, 2024, 133, .	5.8	7
17	Measurements of polarization and spin correlation and observation of entanglement in top quark pairs using lepton+jets events from proton-proton collisions at $\sqrt{s}$=13 TeV. Physical Review D, 2024, 110, .	3.4	41
18	Probing Heavy Majorana Neutrinos and the Weinberg Operator through Vector Boson Fusion Processes in Proton-Proton Collisions at $\sqrt{s}$=13 TeV. Physical Review Letters, 2023, 131, .	5.8	21

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19	Observation of Same-Sign WW Production from Double Parton Scattering in Proton-Proton Collisions at $\sqrt{s} = 13 TeV. Physical Of the forward rapidity gap distribution in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mi>Pb</mml:mi></mml:mrow></mml:math> collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><m	5.8	7
20	First measurement of the forward rapidity gap	3.4	0
21	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $$ \sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	9
22	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $$ \sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	11
23	Search for long-lived particles decaying to leptons with large impact parameter in proton–proton collisions at $$\sqrt{s} = 13\,\text {Te}\text {V} $$. European Physical Journal C, 2022, 82, .	3.0	27
24	A new calibration method for charm jet identification validated with proton-proton collision events at √s = 13 TeV. Journal of Instrumentation, 2022, 17, P03014.	0.9	18
25	Search for strongly interacting massive particles generating trackless jets in proton–proton collisions at $$\sqrt{s} = 13\,\text {TeV} $$. European Physical Journal C, 2022, 82, .	3.0	4
26	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton–proton collisions at $$\sqrt{s}=13\,\text {TeV} $$. European Physical Journal C, 2022, 82, .	3.0	24
27	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $$ \sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	44
28	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $$ \sqrt{s} $$ = 13 TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	3.1	13
29	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $$ \sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	28
30	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $$ \sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	9
31	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $$ \sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	10
32	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $$ \sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	27
33	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $$ \sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	22
34	Measurement of the inclusive $$ \mathrm{t}\overline{\mathrm{t}} $$ production cross section in proton-proton collisions at $$ \sqrt{s} $$ = 5.02 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	5
35	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $$ \sqrt{s} $$= 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	5
36	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $$ \sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, .	3.1	25

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37	Observation of B^{0} $$\rightarrow $$ $$\uppsi $$(2S)K$$^0_\mathrm {S}\uppi ^+\uppi ^-$$ and B$$^0_\mathrm {s}$$ $$\rightarrow $$ $$\uppsi $$(2S)K$$^0_\mathrm {S}$$ decays. European Physical Journal C, 2022, 82, .	3.0	6
38	Search for dark matter produced in association with a leptonically decaying $${\mathrm{Z}} $$ boson in proton–proton collisions at $$\sqrt{s}=13\,\text {Te}\text {V} $$. European Physical Journal C, 2021, 81, .	3.0	54
39	Search for top squark pair production using dilepton final states in $${\text {p}}{\text {p}}$$ collision data collected at $$\sqrt{s}=13\,\text {TeV} $$. European Physical Journal C, 2021, 81, .	3.0	42
40	Measurements of $${\mathrm{p}} {\mathrm{p}} \rightarrow {\mathrm{Z}} {\mathrm{Z}} $$ production cross sections and constraints on anomalous triple gauge couplings at $$\sqrt{s} = 13\,\text {TeV} $$. European Physical Journal C, 2021, 81, .	3.0	46
41	Development and validation of HERWIG 7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, .	3.0	26
42	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $$\sqrt{s} = 13\,\text {TeV} $$. European Physical Journal C, 2021, 81, .	3.0	59
43	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton–proton collisions at $$\sqrt{s} = 13\,\text {TeV} $$. European Physical Journal C, 2021, 81, .	3.0	54
44	MUSiC: a model-unspecific search for new physics in proton–proton collisions at $$\sqrt{s} = 13\,\text {TeV} $$. European Physical Journal C, 2021, 81, .	3.0	32
45	Search for a heavy vector resonance decaying to a $${\mathrm{Z}}_{\mathrm{}}^{\mathrm{}}$$ boson and a Higgs boson in proton-proton collisions at $$\sqrt{s} = 13\,\text {Te}\text {V} $$. European Physical Journal C, 2021, 81, .	3.0	17
46	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton–proton collisions at $$\sqrt{s} = 13\,{\text {TeV}} $$. European Physical Journal C, 2021, 81, .	3.0	38
47	Measurements of angular distance and momentum ratio distributions in three-jet and $${\text {Z}}$$ + two-jet final states in $${\text {p}}{\text {p}}$$ collisions. European Physical Journal C, 2021, 81, .	3.0	5
48	Precision luminosity measurement in proton–proton collisions at $$\sqrt{s} = 13\,\hbox {TeV}$$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, .	3.0	239
49	Combined searches for the production of supersymmetric top quark partners in proton–proton collisions at $$\sqrt{s} = 13\,\text {Te}\text {V} $$. European Physical Journal C, 2021, 81, .	3.0	35
50	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $$\mathrm {PbPb}$$ collisions at $$\sqrt{\smash [b]{s_{_{\mathrm {NN}}}}} = 2.76$$ and 5.02$$\,\text {TeV}$$. European Physical Journal C, 2020, 80, .	3.0	20
51	Measurement of single-diffractive dijet production in proton–proton collisions at $$\sqrt{s} = 8\,\text {Te}\text {V} $$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, .	3.0	9
52	Probing Gluon Fluctuations in Nuclei with the First Energy-Dependent Measurement of Incoherent J/ψ Photoproduction in Ultraperipheral PbPb Collisions. Physical Review Letters, 0, 135, .	5.8	5
53	Search for the Rare Decay D0→μ+μ− in Proton-Proton Collisions at Observation of Physical Review Letters, 0, 135, .	5.8	1
54	Observation of Λ Hyperon Local Polarization in	5.8	9

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55	Search for Y H Measurement of event shapes in minimum-bias events from proton-proton collisions at	3.4	3
56	production and constraints on the Yukawa couplings of light quarks to the Higgs boson. Physical s	3.4	1
57	Simultaneous Probe of the Charm and Bottom Quark Yukawa Couplings Using = t Observation of Coherent	5.8	3
58	g ϕ (	5.8	1
59	Search for charged lepton flavor violating 1020 Z Measurement of	3.4	1
60	and D 0	5.8	2
61	Effects of neutron irradiation on LGADs with broad multiplication layer and varied carbon-enriched doses: A study on timing performance and gain deterioration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 0, 1085, 171305.	0.9	0