

Evgueni Tcherniaev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4160190/publications.pdf>

Version: 2024-02-01

253
papers

27,850
citations

94433

37
h-index

5394

164
g-index

255
all docs

255
docs citations

255
times ranked

19233
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Evidence for $X(3872)$ in Pb-Pb Collisions and Studies of its Prompt Production at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2022, 128, 032001. | 7.8 | 23 |
| 2 | Measurement of double-parton scattering in inclusive production of four jets with low transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 6 |
| 3 | Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 8 |
| 4 | Fragmentation of jets containing a prompt J/ψ meson in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 825, 136842. | 4.1 | 4 |
| 5 | Search for $W\tilde{l}^3$ resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV using hadronic decays of Lorentz-boosted W bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 2022, 1. | 4.1 | 1 |
| 6 | Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of Leptons in $\sqrt{s} = 13$ TeV Proton-Proton Collisions. Journal of High Energy Physics, 2022, 2022, 1. | 7.8 | 9 |
| 7 | 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, 1. | 4.7 | 6 |
| 8 | 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, 1. | 4.7 | 5 |
| 9 | Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153. | 4.7 | 10 |
| 10 | Search for long-lived particles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 3.9 | 14 |
| 11 | Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153. | 3.9 | 14 |
| 12 | Search for long-lived particles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 3 |
| 13 | Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 1 |
| 14 | Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of Leptons in $\sqrt{s} = 13$ TeV Proton-Proton Collisions. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 4 |
| 15 | A new calibration method for charm jet identification validated with proton-proton collision events at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2022, 17, P03014. | 1.2 | 6 |
| 16 | Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 213. | 3.9 | 3 |
| 17 | Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290. | 3.9 | 18 |
| 18 | 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, 1. | 4.7 | 13 |
| 19 | 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, 1. | 4.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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, 1. | 4.7 | 12 |
| 20 | 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, 1. | 4.7 | 2 |
| 21 | 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, 1. | 4.7 | 6 |
| 22 | 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, 1. | 4.7 | 5 |
| 23 | Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 5 |
| 24 | Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 2 |
| 25 | 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, . | 4.7 | 2 |
| 26 | 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, . | 4.7 | 4 |
| 27 | Search for single production of a vector-like T quark decaying to a top quark and a Z boson in the final state with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, . | 4.7 | 5 |
| 28 | Measurement of the inclusive and differential $t\overline{t}\gamma^* \rightarrow \mu^+\mu^-$ cross sections in the dilepton channel and effective field theory interpretation in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, . | 4.7 | 2 |
| 29 | Observation of $B^0 \rightarrow \psi(2S)K^0_{\text{had}}$ and $B^0_{\text{had}} \rightarrow \psi(2S)K^0_{\text{had}}$ decays. European Physical Journal C, 2022, 82, . | 3.9 | 1 |
| 30 | Search for the lepton flavor violating decay $\tilde{t} \rightarrow t\gamma$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 3 |
| 31 | Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.1 | 20 |
| 32 | Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13. | 3.9 | 33 |
| 33 | GeantV. Computing and Software for Big Science, 2021, 5, 1. | 2.9 | 3 |
| 34 | Evidence for Higgs boson decay to a pair of muons. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 54 |
| 35 | Search for top squark pair production using dilepton final states in collision data collected at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 3. | 3.9 | 33 |
| 36 | Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136036. | 4.1 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | The very forward CASTOR calorimeter of the CMS experiment. Journal of Instrumentation, 2021, 16, P02010-P02010. | 1.2 | 10 |
| 38 | Measurement of differential $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mi}>t\langle / \text{mml:mi}>\langle \text{mml:mover accent="true">\langle \text{mml:mi}>t\langle / \text{mml:mi}>\langle \text{mml:mo stretchy="false">\hat{\langle / \text{mml:mo}>\langle / \text{mml:mover}>\langle / \text{mml:math}>$ production cross sections using top quarks at large transverse momenta in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mi}>p\langle / \text{mml:mi}>\langle \text{mml:mi}>p\langle / \text{mml:mi}>\langle / \text{mml:math}>$ collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle$. Physical Review D, 2021, 103, . | 4.7 | 7 |
| 39 | Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 14 |
| 40 | Measurements of $\sigma(\text{pp} \rightarrow \text{Z}\gamma\text{Z})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 200. | 3.9 | 24 |
| 41 | Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 15 |
| 42 | Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 26 |
| 43 | Search for new physics in top quark production with additional leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV using effective field theory. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 12 |
| 44 | Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 5 |
| 45 | Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 28 |
| 46 | Development and validation of HERWIG ⁷ tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312. | 3.9 | 12 |
| 47 | Angular analysis of the decay $B^+ \rightarrow K^+ \pi^+ \pi^-$ in proton-proton collisions at $\sqrt{s} = 8, 4.7$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 9 |
| 48 | Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 378. | 3.9 | 40 |
| 49 | Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. Journal of Instrumentation, 2021, 16, P05014. | 1.2 | 62 |
| 50 | Measurement of prompt D ⁰ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg">\langle \text{mml:msup}>\langle \text{mml:mrow}>\langle \text{mml:mover accent="true">\langle \text{mml:mrow}>\langle \text{mml:mi mathvariant="normal">D\langle / \text{mml:mi}>\langle / \text{mml:mrow}>\langle \text{mml:mo}>\hat{\langle / \text{mml:mo}>\langle / \text{mml:mover}>\langle / \text{mml:mrow}>\langle \text{mml:mrow}>\langle \text{mml:mn}>0\langle / \text{mml:mn}>\langle / \text{mml:math}>$ meson azimuthal anisotropy and search for strong electric fields in PbPb collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg">\langle \text{mml:msqrt}>\langle \text{mml:mrow}>\langle \text{mml:msub}>\langle \text{mml:mrow}$. Physics Letters, Section B: Nuclea | 4.1 | 12 |
| 51 | Measurement of b jet shapes in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 4 |
| 52 | First measurement of large area jet transverse momentum spectra in heavy-ion collisions. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 11 |
| 53 | Study of Drell-Yan dimuon production in proton-lead collisions at $\sqrt{s_{\text{NN}}} = 8, 16$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 3 |
| 54 | Measurement of the CP-violating phase γ_1 in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg">\langle \text{mml:msubsup}>\langle \text{mml:mrow}>\langle \text{mml:mi mathvariant="normal">B\langle / \text{mml:mi}>\langle / \text{mml:mrow}>\langle \text{mml:mrow}>\langle \text{mml:mi mathvariant="normal">s\langle / \text{mml:mi}>\langle / \text{mml:mrow}>\langle \text{mml:mrow}>\langle \text{mml:mn}>0\langle / \text{mml:mn}>\langle / \text{mml:mrow}>\langle / \text{mml:msubsup}>\langle \text{mml:mo stretchy="false">\hat{\langle / \text{mml:mo}>\langle \text{mml:mi mathvariant="normal">\langle / \text{mml:mi}>\langle \text{mml:mo stretchy="false">\langle / \text{mml:math}>$ production cross sections using top quarks at large transverse momenta in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mi}>p\langle / \text{mml:mi}>\langle \text{mml:mi}>p\langle / \text{mml:mi}>\langle / \text{mml:math}>$ collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle$. Physical Review D, 2021, 103, . | 4.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Measurements of the differential cross sections of the production of $Z + \text{jets}$ and $\hat{\nu} + \text{jets}$ and of Z boson emission collinear with a jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 2 |
| 56 | In-medium modification of dijets in PbPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 5 |
| 57 | Measurement of the Z boson differential production cross section using its invisible decay mode ($Z \rightarrow \nu\bar{\nu}$). Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 2 |
| 58 | Measurement of the $W\hat{\nu}$ Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV and Constraints on Effective Field Theory Coefficients. Physical Review Letters, 2021, 126, 252002. | 7.8 | 13 |
| 59 | Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 488. | 3.9 | 35 |
| 60 | Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_c^+ \bar{K}^0$. Physical Review Letters, 2021, 126, 252003. | 7.8 | 22 |
| 61 | Performance of the CMS muon trigger system in proton-proton collisions at $\sqrt{s} = 13$. Journal of Instrumentation, 2021, 16, P07001. | 1.2 | 6 |
| 62 | Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 27 |
| 63 | Search for resonant and nonresonant new phenomena in high-mass dilepton final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 62 |
| 64 | Search for long-lived particles using displaced jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, . | 4.7 | 25 |
| 65 | MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 629. | 3.9 | 18 |
| 66 | Search for the rare decay of the W boson into a pion and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Particle and High Energy Physics, 2021, 895, 137777. | 4.1 | 3 |
| 67 | Search for top squarks in final states with two top quarks and several light-flavor jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 4 |
| 68 | Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z -Boson Yields and Azimuthal Anisotropy at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Physical Review Letters, 2021, 127, 102002. | 7.8 | 5 |
| 69 | Search for $W \rightarrow \tau \nu$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 102002. | 7.8 | 37 |
| 70 | Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688. | 3.9 | 9 |
| 71 | Measurement of the W boson production cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.1 | 13 |
| 72 | Hard color-singlet exchange in dijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, . | 4.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the $\tilde{t}, \tilde{t}^*, b\bar{b}$ final state at 13 TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 11 |
| 92 | Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 36 |
| 93 | $\hat{\sigma}$ production cross sections in the full kinematic range using \mathcal{M} http://www.w3.org/1998/Math/MathML | 4.7 | 16 |
| 94 | Observation of tW production in the single-lepton channel in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 2 |
| 95 | Measurement of prompt open-charm production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 2 |
| 96 | Measurement of the inclusive and differential $t\bar{t}$ cross sections in the single-lepton channel and EFT interpretation at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 3 |
| 97 | Measurement of the top quark mass using events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 5 |
| 98 | Probing effective field theory operators in the associated production of top quarks with a Z boson in multilepton final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 8 |
| 99 | Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 261804. | 7.8 | 17 |
| 100 | Search for a heavy resonance decaying to a top quark and a W boson at $\sqrt{s} = 13$ TeV in the fully hadronic final state. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 1 |
| 101 | Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 125, 151802. | 7.8 | 20 |
| 102 | Measurements of production cross sections of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609. | 4.1 | 37 |
| 103 | The production of isolated photons in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 4 |
| 104 | Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609. | 4.1 | 8 |
| 105 | Investigation into the event-activity dependence of $\tilde{p}(nS)$ relative production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 12 |
| 106 | A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10. | 2.9 | 21 |
| 107 | W^+W^- boson pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, | 4.7 | 13 |
| 108 | Search for electroweak production of a vector-like T quark using fully hadronic final states. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 14 |
| 110 | Measurement of properties of $B_{\tau}^0 \rightarrow \tau^+ \tau^- \nu_{\tau} \nu_{\tau}$ decays and search for $B_{\tau}^0 \rightarrow \tau^+ \tau^- \nu_{\tau} \nu_{\tau}$ with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 41 |
| 111 | Search for a light pseudoscalar Higgs boson in the boosted $\tau^+ \tau^- \nu_{\tau} \nu_{\tau}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 23 |
| 112 | Measurements of $t \rightarrow t^* \nu_{\tau} \nu_{\tau}$ production and the $C \rightarrow C^* P$ Structure of the Yukawa Interaction | 7.8 | 38 |
| 113 | Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027. | 1.2 | 27 |
| 114 | Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 10 |
| 115 | Measurement of the cross section for $t\bar{t}$ production with additional jets and b jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 5 |
| 116 | Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 41 |
| 117 | Measurement of the $t \rightarrow t^* \nu_{\tau} \nu_{\tau}$ pair production cross section and search for resonances decaying to $\Upsilon(1S) \tau^+ \tau^-$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578 | 4.1 | 27 |
| 118 | Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 37 |
| 119 | Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002. | 1.2 | 3 |
| 120 | Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 11 |
| 121 | Observation of the $t \rightarrow t^* \nu_{\tau} \nu_{\tau}$ pair production cross section and search for resonances decaying to $\Upsilon(1S) \tau^+ \tau^-$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578 | 7.8 | 13 |
| 122 | Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 7.8 | 14 |
| 123 | Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, . | 4.7 | 10 |
| 124 | Study of central exclusive "Equation missing" \rightarrow production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718. | 3.9 | 7 |
| 125 | Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 752. | 3.9 | 23 |
| 126 | Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Pileup mitigation at CMS in 13 TeV data. Journal of Instrumentation, 2020, 15, P09018-P09018. | 1.2 | 47 |
| 128 | Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017. | 1.2 | 84 |
| 129 | Search for decays of the 125 GeV Higgs boson into a Z boson and a \bar{c} -or \bar{b} meson. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 6 |
| 130 | Measurement of $B_c(2S)^+$ and $B_c^*(2S)^+$ cross section ratios in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, . | 4.7 | 4 |
| 131 | Measurements of the W boson rapidity, helicity, double-differential cross sections, and charge asymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 13 |
| 132 | Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the dilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 222001. | 4.7 | 10 |
| 133 | Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001. | 7.8 | 7 |
| 134 | Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 21 |
| 135 | Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 66 |
| 136 | Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, . | 4.7 | 21 |
| 137 | Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. Journal of Instrumentation, 2020, 15, P06005-P06005. | 1.2 | 56 |
| 138 | Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter. Journal of Instrumentation, 2020, 15, P06009-P06009. | 1.2 | 5 |
| 139 | Search for supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 4 |
| 140 | Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 9 |
| 141 | Search for resonant pair production of Higgs bosons in the $b\bar{b}Z$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 10 |
| 142 | Search for a light charged Higgs boson in the $bc\bar{s}$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 20 |
| 143 | Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 20 |
| 144 | Running of the top quark mass from proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135263. | 4.1 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.1 | 6 |
| 146 | Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 2 |
| 147 | Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.1 | 40 |
| 148 | Search for new neutral Higgs bosons through the $\text{H} \rightarrow \text{ZZ} \rightarrow \text{e}^+ \text{e}^- \text{b} \bar{\text{b}}$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 27 |
| 149 | Search for direct pair production of supersymmetric partners to the $\tilde{\tau}_1$ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 189. | 3.9 | 22 |
| 150 | Elastic differential cross-section $\frac{d\sigma}{d\Omega}(\mathbf{q}, \mathbf{q}')(\mathbf{q}, \mathbf{q}')$ at $\sqrt{s} = 2.76$ TeV and implications on the existence of a colourless C-odd three-gluon compound state. European Physical Journal C, 2020, 80, 1. | 3.9 | 29 |
| 151 | Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. European Physical Journal C, 2020, 80, 534. | 3.9 | 14 |
| 152 | Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 20 |
| 153 | Determination of the strong coupling constant $\hat{\alpha}_S(m_Z)$ from measurements of inclusive W_{\pm} and Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 6 |
| 154 | Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 7 |
| 155 | Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 1 |
| 156 | Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 041803. | 7.8 | 6 |
| 157 | Evidence for $W_{\text{ext}} W_{\text{ext}}$ production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1. | 3.9 | 10 |
| 158 | Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 75. | 3.9 | 78 |
| 159 | Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 3.9 | 70 |
| 160 | Constraints on the $\text{H} \rightarrow \text{Z} \nu \bar{\nu}$ branching ratio versus $\text{H} \rightarrow \text{Z} \tau^+ \tau^-$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 121801. | 7.8 | 12 |
| 161 | Polarizations in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 121801. | 7.8 | 12 |
| 161 | Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\frac{1}{2} \tau^+ \tau^-$, and $e^+ \tau^-$, in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 15 |
| 162 | A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.1 | 6 |
| 164 | Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 25 |
| 166 | Study of excited χ_{c0} states decaying to $\chi_{c0} \rightarrow \gamma \chi_{c0}$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135345. | 4.1 | 24 |
| 167 | A measurement of the Higgs boson mass in the diphoton decay channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135425. | 4.1 | 63 |
| 168 | Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 14 |
| 169 | A multi-dimensional search for new heavy resonances decaying to boosted W or Z boson pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 80, 237. | 3.9 | 31 |
| 170 | Production of χ_{c0} states decaying to $\chi_{c0} \rightarrow \gamma \chi_{c0}$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135183. | 4.1 | 28 |
| 171 | Measurement of the top quark pair production cross section in dilepton final states containing one τ , lepton in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 2 |
| 172 | Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135183. | 4.1 | 0 |
| 173 | Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.1 | 16 |
| 174 | Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 8 |
| 175 | Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 13 |
| 177 | Observation of the $\chi_{c0} \rightarrow \gamma \chi_{c0}$ decay in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135203. | 4.1 | 6 |
| 178 | Observation of electroweak production of W^{\pm} with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135988. | 4.1 | 21 |
| 179 | Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions. Journal of Instrumentation, 2020, 15, P10002-P10002. | 1.2 | 9 |
| 180 | A deep neural network to search for new long-lived particles decaying to jets. Machine Learning: Science and Technology, 2020, 1, 035012. | 5.0 | 31 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8, \text{ext}\{T\}\text{ext}\{V\}$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164. | 3.9 | 5 |
| 182 | Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 370. | 3.9 | 22 |
| 183 | Search for the production of $W^{\pm}W^{\pm}$ events at $\sqrt{s} = 13 \text{ TeV}$ using nonprompt jets and missing transverse momentum with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134876. | 4.7 | 10 |
| 184 | Search for long-lived particles using nonprompt jets and missing transverse momentum with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134876. | 4.1 | 26 |
| 185 | Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134952. | 4.1 | 17 |
| 186 | Search for MSSM Higgs bosons decaying to $\tilde{\chi}_1^0\tilde{\chi}_1^0$ in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ using nonprompt jets and missing transverse momentum with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134992. | 4.1 | 19 |
| 187 | Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $s = 13 \text{ TeV}$. Physical Review D, 2019, 100, . | 4.7 | 6 |
| 188 | Elastic differential cross-section measurement at $\sqrt{s} = 13 \text{ TeV}$ by TOTEM. European Physical Journal C, 2019, 79, 1. | 3.9 | 46 |
| 189 | Search for a charged Higgs boson decaying to a $W^{\pm}C^{\pm}$ or $W^{\pm}P^{\pm}$ final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134811. | 7.8 | 21 |
| 190 | First determination of the α_s parameter at $\sqrt{s} = 13 \text{ TeV}$: probing the existence of a colourless C-odd three-gluon compound state. European Physical Journal C, 2019, 79, 1. | 3.9 | 69 |
| 191 | Search for Higgs and Z boson decays to J/ψ or Y pairs in the four-muon final state in proton-proton collisions at $s = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134811. | 4.1 | 12 |
| 192 | First measurement of elastic, inelastic and total cross-section at $\sqrt{s} = 13 \text{ TeV}$ by TOTEM and overview of cross-section data at LHC energies. European Physical Journal C, 2019, 79, 1. | 3.9 | 70 |
| 193 | Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ using nonprompt jets and missing transverse momentum with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134876. | 4.7 | 10 |
| 194 | Observation of Two Excited B_c States and Measurement of the α_s parameter at $\sqrt{s} = 13 \text{ TeV}$: probing the existence of a colourless C-odd three-gluon compound state. European Physical Journal C, 2019, 79, 1. | 7.8 | 62 |
| 195 | Search for resonances decaying to a pair of Higgs bosons in the $b\bar{b}$ final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 10 |
| 196 | Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ using nonprompt jets and missing transverse momentum with the CMS detector. Physical Review D, 2019, 100, . | 4.7 | 34 |
| 197 | Search for pair production of vectorlike quarks in the fully hadronic final state. Physical Review D, 2019, 100, . | 4.7 | 35 |
| 198 | Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ using nonprompt jets and missing transverse momentum with the CMS detector. Physical Review D, 2019, 100, . | 4.7 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 11 |
| 200 | Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s}=13$, ext {TeV}. European Physical Journal C, 2019, 79, 893. | 3.9 | 12 |
| 201 | Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 54 |
| 202 | Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801. | 7.8 | 1 |
| 203 | Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, . | 4.7 | 14 |
| 204 | Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 123, 231803. | 7.8 | 23 |
| 205 | Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 13 |
| 206 | Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 4 |
| 207 | Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 28 |
| 208 | Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 15 |
| 209 | Study of the $B^0 \rightarrow \mu^+ \mu^- \gamma$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 3 |
| 210 | Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 29 |
| 211 | Measurements of forward proton production with incident protons and charged pions on nuclear targets at the CERN Proton Synchrotron. Physical Review C, 2010, 82, . | 2.9 | 4 |
| 212 | Comparison of large-angle production of charged pions with incident protons on cylindrical long and short targets. Physical Review C, 2009, 80, . | 2.9 | 6 |
| 213 | Large-angle production of charged pions with incident pion beams on nuclear targets. Physical Review C, 2009, 80, . | 2.9 | 14 |
| 214 | Forward production of charged pions with incident protons on nuclear targets at the CERN Proton Synchrotron. Physical Review C, 2009, 80, . | 2.9 | 18 |
| 215 | Forward production of charged pions with incident $\sqrt{s} = 13$ TeV. Physical Review C, 2009, 80, . | 1.5 | 16 |
| 216 | Measurement of the production cross sections of $\sqrt{s} = 13$ TeV. Physical Review C, 2009, 80, . | 1.5 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | Forward π^{\pm} production in ^{16}O and ^{14}N interactions at 12 GeV/c. <i>Astroparticle Physics</i> , 2008, 30, 124-132. | 4.3 | 11 |
| 218 | The Geant4 Visualisation System. <i>Computer Physics Communications</i> , 2008, 178, 331-365. | 7.5 | 14 |
| 219 | Large-angle production of charged pions by 3-12.9 GeV/c protons on carbon, copper and tin targets. <i>European Physical Journal C</i> , 2008, 53, 177-204. | 3.9 | 22 |
| 220 | Large-angle production of charged pions by 3-12.9 GeV/c protons on beryllium, aluminium and lead targets. <i>European Physical Journal C</i> , 2008, 54, 37-60. | 3.9 | 22 |
| 221 | Absolute momentum calibration of the HARP TPC. <i>Journal of Instrumentation</i> , 2008, 3, P04007-P04007. | 1.2 | 8 |
| 222 | Large-angle production of charged pions with 3-12.9 GeV/c incident protons on nuclear targets. <i>Physical Review C</i> , 2008, 77, . | 2.9 | 44 |
| 223 | The time response of glass Resistive Plate Chambers to heavily ionizing particles. <i>Journal of Instrumentation</i> , 2007, 2, P10004-P10004. | 1.2 | 10 |
| 224 | The HARP detector at the CERN PS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 571, 527-561. | 1.6 | 54 |
| 225 | Measurement of the production of charged pions by protons on a tantalum target. <i>European Physical Journal C</i> , 2007, 51, 787-824. | 3.9 | 28 |
| 226 | Measurement of the production cross-section of positive pions in the collision of 8.9 GeV/c protons on beryllium. <i>European Physical Journal C</i> , 2007, 52, 29-53. | 3.9 | 73 |
| 227 | Particle identification algorithms for the HARP forward spectrometer. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 572, 899-921. | 1.6 | 12 |
| 228 | Measurement of the production cross-section of positive pions in ^{27}Al collisions at. <i>Nuclear Physics B</i> , 2006, 732, 1-45. | 2.5 | 63 |
| 229 | Geant4 developments and applications. <i>IEEE Transactions on Nuclear Science</i> , 2006, 53, 270-278. | 2.0 | 4,869 |
| 230 | Geant4 a simulation toolkit. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 506, 250-303. | 1.6 | 17,893 |
| 231 | Rapidity correlations in Λ baryon and proton production in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 416, 247-256. | 4.1 | 11 |
| 232 | Search for neutral and charged Higgs bosons in e^+e^- collisions at $\sqrt{s} = 161$ GeV and 172 GeV. <i>European Physical Journal C</i> , 1998, 2, 1-37. | 3.9 | 11 |
| 233 | Search for neutral and charged Higgs bosons in. <i>European Physical Journal C</i> , 1998, 2, 1. | 3.9 | 9 |
| 234 | A precise measurement of the B^0_{d} meson lifetime using a new technique. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1997, 74, 19-32. | 1.5 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Measurement of $B^0_d - \overline{B^0_d}$ oscillations. Zeitschrift für Physik C-Particles and Fields, 1997, 76, 579-598. | 1.5 | 18 |
| 236 | Search for lepton flavour number violating Z^0 -decays. Zeitschrift für Physik C-Particles and Fields, 1997, 73, 243-251. | 1.5 | 78 |
| 237 | Search for stable heavy charged particles in e^+e^- collisions at 161 and 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 396, 315-326. | 4.1 | 19 |
| 238 | Measurement of correlations between pions from different W's in $e^+e^- \rightarrow W^+W^-$ events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 401, 181-191. | 4.1 | 24 |
| 239 | Measurement of the triple gluon vertex from double quark tagged 4-jet events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 401-418. | 4.1 | 11 |
| 240 | Observation of charge-ordering in particle production in hadronic Z^0 decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 174-184. | 4.1 | 14 |
| 241 | First measurement of $f_2(1525)$ production in Z^0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 309-318. | 4.1 | 6 |
| 242 | Search for the lightest chargino at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 382, 323-336. | 4.1 | 16 |
| 243 | Search for neutralinos, scalar leptons and scalar quarks in e^+e^- interactions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 651-666. | 4.1 | 14 |
| 244 | Search for low mass Higgs bosons produced in Z^0 decays. Zeitschrift für Physik C-Particles and Fields, 1991, 51, 25-35. | 1.5 | 17 |
| 245 | A study of the reaction $e^+e^- \rightarrow \tau^+ \tau^- \gamma$ around the Z^0 pole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 260, 240-248. | 4.1 | 9 |
| 246 | Search for pair production of neutral Higgs bosons in Z^0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 245, 276-288. | 4.1 | 47 |
| 247 | Study of hadronic decays of the Z^0 boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 240, 271-282. | 4.1 | 90 |
| 248 | A study of intermittency in hadronic Z^0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 137-147. | 4.1 | 71 |
| 249 | Search for scalar quarks in Z^0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 148-156. | 4.1 | 25 |
| 250 | A search for sleptons and gauginos in Z^0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 157-166. | 4.1 | 61 |
| 251 | A comparison of jet production rates on the Z^0 resonance to perturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 167-176. | 4.1 | 63 |
| 252 | A precise measurement of the Z resonance parameters through its hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 435-448. | 4.1 | 56 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 253 | Search for heavy charged scalars in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 449-458. | 4.1 | 38 |