## Yuri Gershtein

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4727820/publications.pdf

Version: 2024-02-01

|          |                | 81900        | 17592          |
|----------|----------------|--------------|----------------|
| 133      | 14,798         | 39           | 121            |
| papers   | citations      | h-index      | g-index        |
|          |                |              |                |
|          |                |              |                |
| 120      | 120            | 120          | 12650          |
| 139      | 139            | 139          | 13659          |
| all docs | docs citations | times ranked | citing authors |
|          |                |              |                |

| # | Article   | IF  | Citations |
|---|---|-----|-----------|
| 1 | Review of Particle Physics. Physical Review D, 2018, 98, .  | 4.7 | 5,390     |
| 2 | Review of Particle Physics. Progress of Theoretical and Experimental Physics, 2020, 2020, .   | 6.6 | 3,177     |
| 3 | Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 \$\$,ext {TeV}\$\$ TeV. European Physical Journal C, 2015, 75, 212. | 3.9 | 541       |
| 4 | Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.   | 3.9 | 499       |
| 5 | Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.  | 3.9 | 342       |
| 6 | Observation of a new boson with mass near 125 GeV in pp collisions at $q=7 $ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.  | 4.7 | 320       |
| 7 | Simplified models for LHC new physics searches. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 105005.   | 3.6 | 273       |
| 8 | Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.   | 3.9 | 198       |
| 9 |   |     |           |
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| #  | Article   | IF  | Citations |
|----|---|-----|-----------|
| 19 | Performance of the CMS Level-1 trigger in proton-proton collisions at $\hat{a}\hat{s}< i>s= 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.   | 1.2 | 84        |
| 20 | Search for production of four top quarks in final states with same-sign or multiple leptons in proton–proton collisions at \$\$sqrt{s}=13\$\$ \$\$,ext {TeV}\$\$. European Physical Journal C, 2020, 80, 75.  | 3.9 | 78        |
| 21 | Searches for physics beyond the standard model with the \$\$M_{mathrm {T2}}\$\$ variable in hadronic final states with and without disappearing tracks in protonâ€"proton collisions at \$\$sqrt{s}=13,ext {Te}ext {V} \$\$. European Physical Journal C, 2020, 80, 3.  | 3.9 | 70        |
| 22 | Measurement of the $f$ {mathrm $f$ }overline{mathrm $f$ }}\$\$ t t $\hat{A}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.  | 3.9 | 68        |
| 23 | Search for new physics in same-sign dilepton events in proton–proton collisions at \$\$sqrt{s} = 13,ext {TeV} \$\$ s = 13 TeV. European Physical Journal C, 2016, 76, 439.  | 3.9 | 64        |
| 24 | Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\$$ sqrt $\{s\}=13$ $\$$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 4.7 | 63        |
| 25 | Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\$$ sqrt $\{s\}=8$ ,ext $\{TeV\}$ $\$$ s = 8 TeV. European Physical Journal C, 2016, 76, 13.   | 3.9 | 62        |
| 26 | Measurement of the inelastic proton-proton cross section at $\$$ sqrt $\{s\}=13$ $\$$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 4.7 | 62        |
| 27 | Design, performance, and calibration of CMS forward calorimeter wedges. European Physical Journal C, 2008, 53, 139-166.   | 3.9 | 60        |
| 28 | Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\$$ sqrt $\{s\}=13$ $\$$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 4.7 | 57        |
| 29 | Measurement of the double-differential inclusive jet cross section in proton–proton collisions at \$\$sqrt{s} = 13,ext {TeV} \$\$ s = 13 TeV. European Physical Journal C, 2016, 76, 451.   | 3.9 | 55        |
| 30 | Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at s = $8 $ \$ sqrt{s}= $8 $ \$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 4.7 | 54        |
| 31 | Measurements of the $\mbox{mathrm } \{p\}$ ightarrow mathrm $\{Z\}$ mathrm $\{Z\}$ p p ât' Z Z production cross section and the $\mbox{mathrm} \{Z\}$ ightarrow 4ell $\mbox{sol} Z$ ât' 4 â," branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165. | 3.9 | 52        |
| 32 | Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.   | 4.7 | 51        |
| 33 | Beam test results from a fine-sampling quartz fiber calorimeter for electron, photon and hadron detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 399, 202-226.   | 1.6 | 50        |
| 34 | Measurement of pseudorapidity distributions of charged particles in proton–proton collisions at \$\$sqrt{s} = 8\$\$ s = 8 ÂTeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.  | 3.9 | 49        |
| 35 | Search for new physics ine $\hat{1}^4$ Xdata at $D\tilde{A}^{\sim}$ using SLEUTH: A quasi-model-independent search strategy for new physics. Physical Review D, 2000, 62, .   | 4.7 | 43        |
| 36 | Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.   | 4.7 | 43        |

| #  | Article  | IF  | Citations |
|----|--|-----|-----------|
| 37 | Measurement of the t t $\hat{A}^-$ \$\$ mathrm{t}overline{mathrm{t}} \$\$ production cross section in the ell/4 channel in proton-proton collisions at s = 7 \$\$ sqrt{s}=7 \$\$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.                               | 4.7 | 41        |
| 38 | 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 $\{s\} = 13$ ,ext $\{Te\}$ ext $\{V\}$ $\$$ . European Physical Journal C, 2021, 81, 378.        | 3.9 | 40        |
| 39 | Quasi-Model-Independent Search for New HighpTPhysics at DO. Physical Review Letters, 2001, 86, 3712-3717.  | 7.8 | 39        |
| 40 | Measurement of the ZZ production cross section and search for anomalous couplings in 2â,"2â,"′ final states in pp collisions at \$ sqrt{s}=7 \$ TeV. Journal of High Energy Physics, 2013, 2013, 1.  | 4.7 | 39        |
| 41 | Measurement of differential cross sections for $\{z\}$ boson production in association with jets in proton-proton collisions at $\{z\}$ = 13,ext {TeV} \$\$ s = 13 TeV. European Physical Journal C, 2018, 78, 965.  | 3.9 | 39        |
| 42 | Measurement of theWWProduction Cross Section with Dilepton Final States inppÂ⁻Collisions ats=1.96  TeVand Limits on Anomalous Trilinear Gauge Couplings. Physical Review Letters, 2009, 103, 191801.   | 7.8 | 38        |
| 43 | Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\$$ sqrt $\{s\} = 13$ \$\$ s = 13 \$\$,ext {TeV}\$\$ TeV. European Physical Journal C, 2017, 77, 636.  | 3.9 | 38        |
| 44 | Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\ddot{l}$ , leptons at \$\$ sqrt{s}=13 \$\$ TeV. Journal of High Energy Physics, 2018, 2018, 1.                              | 4.7 | 38        |
| 45 | Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton–proton collisions at \$\$sqrt{s} = 13,ext {TeV} \$\$. European Physical Journal C, 2021, 81, 488.  | 3.9 | 35        |
| 46 | Quasi-model-independent search for new physics at large transverse momentum. Physical Review D, 2001, 64, .  | 4.7 | 34        |
| 47 | Search for dark matter produced in association with a leptonically decaying \$\${mathrm{Z}} \$\$ boson in proton–proton collisions at \$\$sqrt{s}=13,ext {Te}ext {V} \$\$. European Physical Journal C, 2021, 81, 13.  | 3.9 | 33        |
| 48 | Search for top squark pair production using dilepton final states in $\{p\}$ {ext $\{p\}$ } {ext $\{p\}$ } \$ collision data collected at $\{p\}$ = 13,ext $\{TeV\}$ \$\$. European Physical Journal C, 2021, 81, 3.   | 3.9 | 33        |
| 49 | Measurements of the \$\$mathrm{Z}\$\$ Z \$\$mathrm{Z}\$\$ Z production cross sections in the \$\$2mathrm{ $I$ } 2u \$\$ 2 I 2 ν channel in protonâ€"proton collisions at \$\$sqrt{s} = 7\$\$ s = 7 and \$\$8~. European Physical Journal C, 2015, 75, 511.               | 3.9 | 32        |
| 50 | Searches for pair production of third-generation squarks in $\$$ sqrt $\{s\}=13$ \$\$ s = 13 \$\$,ext {TeV}\$\$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.   | 3.9 | 32        |
| 51 | Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at \$ sqrt{s}=7;TeV \$. Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 31        |
| 52 | Search for top squark pair production in pp collisions at $s=13 \$\$ $ sqrt $\{s\}=13 \$\$ $ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.  | 4.7 | 31        |
| 53 | On the differences between high-energy proton and pion showers and their signals in a non-compensating calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 408, 380-396. | 1.6 | 30        |
| 54 | Measurement of theWWProduction Cross Section inppÂ⁻Collisions ats=1.96  TeV. Physical Review Letters, 2005, 94, 151801.  | 7.8 | 29        |

| #  | Article  | IF              | CITATIONS      |
|----|--|-----------------|----------------|
| 55 | Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s=8$ \$\$ sqrt{ $s$ }=8 \$\$ TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 4.7             | 29             |
| 56 | Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in protonâ $\in$ proton collisions at $\frac{1}{s}=13$ ,ext $Te$ ext $V$ $$$ s = 13 Te. European Physical Journal C, 2019, 79, 280.  | 3.9             | 29             |
| 57 | Search for \$\$ mathrm{t}overline{mathrm{t}}mathrm{H} \$\$ production in the \$\$ mathrm{H}o mathrm{b}overline{mathrm{b}} \$\$ decay channel with leptonic \$\$ mathrm{t}overline{mathrm{t}} \$\$ decays in proton-proton collisions at \$\$ sqrt{s}=13 \$\$ TeV. Journal of High Energy Physics, 2019, 2019, 1.   | 4.7             | 28             |
| 58 | 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.  Measurement of the ratio of the complement xmlnsymmle "http://www.w3.org/1998/Marh/MathMI"   | 4.7             | 28             |
| 59 | altimg="si1.gif" overflow="scroll"> <mml:mi>p</mml:mi> <mml:mover accent="true"><mml:mi>p</mml:mi><mml:mo>\hat{A}^</mml:mo>er&gt;<mml:mo>\hat{A}^*</mml:mo>(mml:mo)\hat{A}^*er&gt;<mml:mo>\hat{A}^*</mml:mo>er&gt;<mml:mo>\hat{A}^*</mml:mo>er&gt;<mml:mo>\hat{A}^*</mml:mo>er&gt;<mml:mo>\hat{A}^*</mml:mo>er&gt;<mml:mo>\hat{A}^*</mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo>er&gt;<mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mo></mml:mover> | √mml:mi><br>4.1 | xmml:mo:<br>27 |
| 60 | accent="true"> < mml:mi>p < mml:mo>AAAC/mml:mo>C   | 4.7             | 27             |
| 61 | Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton–proton collisions at \$\$sqrt{s} \$\$ s = 13 \$\$,ext {TeV}\$\$ TeV. European Physical Journal C, 2018, 78, 291.   | 3.9             | 27             |
| 62 | Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\hat{a} \cdot \hat{s} < i > s < /i > = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.   | 1.2             | 27             |
| 63 | Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at \$\$ sqrt{mathrm{s}} \$\$ = 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.  | 4.7             | 27             |
| 64 | Studies of WW and WZ production and limits on a nomalous WW $\hat{\mathbb{I}}^3$ and WWZ couplings. Physical Review D, 1999, 60, .   | 4.7             | 26             |
| 65 | Measurement of energy flow at large pseudorapidities in pp collisions at sqrt s = 0.9 3 and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.  | 4.7             | 25             |
| 66 | Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\$$ sqrt $\{s\}=13$ $\$$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 4.7             | 25             |
| 67 | Measurements of $f^{p}} {\mathbf{p}} {\mathbf{p}$   | 3.9             | 24             |
| 68 | Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s = 13 $ \$\$ sqrt $\{s\}=13 $ \$\$ TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 4.7             | 22             |
| 69 | 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             |
| 70 | 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             |
| 71 | Hard single diffraction in pl,p collisions at s=630 and 1800ÂGeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 531, 52-60.  | 4.1             | 20             |
| 72 | Search for $\$ mathrm{t}overline{mathrm{t}}mathrm{H} \$\$ production in the all-jet final state in proton-proton collisions at \$\$ sqrt{s}=13 \$\$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 4.7             | 20             |

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|----|--|---|------------|
| 73 | Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at \$\$ sqrt{s}=13 \$\$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 4.7   | 20         |
| 74 | Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\$$ sqrt{mathrm{s}} $\$$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 4.7   | 20         |
| 75 | Probing naturally light singlets with a displaced vertex trigger. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136758.   | 4.1   | 20         |
| 76 | Search for the Higgs Boson inH→WW(*)Decays inppÂ⁻Collisions ats=1.96  TeV. Physical Review Letters, 2006, 96, 011801.  | 7.8   | 19         |
| 77 | Measurement of theppÂ⁻→WZ+Xcross section ats=1.96  TeVand limits onWWZtrilinear gauge coupling Physical Review D, 2007, 76, .  | <sup>6</sup> 4.7  | 19         |
| 78 | Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $s=7$ \$\$ sqrt{s}=7 \$\$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 4.7   | 19         |
| 79 | Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\ddot{l}$ , leptons in pp collisions at s = 8 \$\$ sqrt{s}=8 \$\$ TeV. Journal of High Energy Physics, 2016, 2016, 1.  | 4.7   | 19         |
| 80 | 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,{ext {TeV}} \$\$. European Physical Journal C, 2021, 81, 723.   | 3.9   | 19         |
| 81 | Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\$\$$ sqrt{mathrm{s}} $\$\$ = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 4.7   | 18         |
| 82 | MUSiC: a model-unspecific search for new physics in proton–proton collisions at \$\$sqrt{s} = 13,ext {TeV} \$\$. European Physical Journal C, 2021, 81, 629.   | 3.9   | 18         |
| 83 | Combined searches for the production of supersymmetric top quark partners in proton–proton collisions at \$\$sqrt{s} = 13,ext {Te}ext {V} \$\$. European Physical Journal C, 2021, 81, 970.  | 3.9   | 18         |
| 84 | Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton–proton collisions at \$\$sqrt{s}=13,ext {TeV} \$\$. European Physical Journal C, 2022, 82, 290.  | 3.9   | 18         |
| 85 | Probing color coherence effects in pp collisions at $\$$ sqrt $\{s\}$ =7,ext $\{TeV\}$ $\$$ s = 7 TeV. European Physical Journal C, 2014, 74, 2901.  | 3.9   | 17         |
| 86 | Search for $Z\hat{I}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at \$\$ sqrt{s}=13 \$\$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 4.7   | 17         |
| 87 | Measurement of charged particle spectra in minimum-bias events from proton–proton collisions at \$\$sqrt{s}=13,ext {TeV} \$\$ s = 13 TeV. European Physical Journal C, 2018, 78, 697.  | 3.9   | 17         |
| 88 | Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at \$\$ sqrt{s}=13 \$\$ TeV. Journal of High Energy Physics, 2019, 2019, 1.   | 4.7   | 17         |
| 89 | A combined search for the standard model Higgs boson at <mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>1.96<td>4.1<br/>mh&gt;<mml< td=""><td>l:Mtext&gt;Â&lt;</td></mml<></td></mml:mn></mml:math> | 4.1<br>mh> <mml< td=""><td>l:Mtext&gt;Â&lt;</td></mml<> | l:Mtext>Â< |
| 90 | Evidence ofWWandWZProduction withlepton+jetsFinal States inppÂ⁻Collisions ats=1.96  TeV. Physical Review Letters, 2009, 102, 161801.   | 7.8   | 15         |

| #   | Article   | IF                | Citations |
|-----|---|-------------------|-----------|
| 91  | Measurement of the tt $\hat{A}^-$ \$\$ mathrm{t}overline{mathrm{t}} \$\$ production cross section using events with one lepton and at least one jet in pp collisions at s = 13 \$\$ sqrt{s}=13 \$\$ TeV. Journal of High Energy Physics, 2017, 2017, 1.     | 4.7               | 15        |
| 92  | Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $s=13 $ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 4.7               | 14        |
| 93  | Measurements of the pp $\hat{a}^{\prime}$ WZ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at \$\$ sqrt{s} \$\$ = 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.                 | 4.7               | 14        |
| 94  | Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $\mbox{ smathrm {PbPb}$$ collisions at $$sqrt{smash [b]{s_{_{mathrm {NN}}}}} = 2.76$$ and 5.02$$,ext {TeV}$$. European Physical Journal C, 2020, 80, 534.}$ | 3.9               | 14        |
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