<table>
<thead>
<tr>
<th>Autor(es)</th>
<th>Título del artículo</th>
<th>Revista</th>
<th>Año</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Sergiy Lysenko, Dr. Nardeep Kumar, Dr. Armando J. Rúa, Dr. Félix Fernández</td>
<td><strong>Ultrafast structural dynamics of VO2</strong></td>
<td>S Lysenko, N Kumar, A Rúa, J Figueroa, J Lu, F Fernández Physical Review B 96 (7), 075128 (2017).</td>
<td></td>
</tr>
<tr>
<td>Dr. Sergiy Lysenko, Dr. Nardeep Kumar, Dr. Armando J. Rúa, Dr. Félix Fernández</td>
<td><strong>Ultrafast Excited-State Dynamics of V3O5 as a Signature of a Photoinduced Insulator-Metal Phase Transition</strong></td>
<td>N Kumar, A Rúa, J Lu, F Fernández, S Lysenko Physical Review Letters 119 (5), 057602 (2017).</td>
<td></td>
</tr>
<tr>
<td>Dr. Sergiy Lysenko, Dr. Nardeep Kumar, Dr. Armando J. Rúa, Dr. Félix Fernández</td>
<td><strong>Ultrafast diffraction conoscopy of the structural phase transition in VO2: Evidence of two lattice distortions</strong></td>
<td>N Kumar, A Rúa, FE Fernández, S Lysenko Physical Review B 95 (23), 235157 (2017).</td>
<td></td>
</tr>
<tr>
<td>Dr. Sergiy Lysenko, Dr. Nardeep Kumar, Dr. Armando J. Rúa, Dr. Félix Fernández</td>
<td><strong>Metal-insulator transition and nonlinear optical response of sputter-deposited V3O5 thin films</strong></td>
<td>A Rúa, RD Díaz, N Kumar, S Lysenko, FE Fernández Journal of Applied Physics 121 (23), 2353021 (2017).</td>
<td></td>
</tr>
<tr>
<td>Dr. Armando J. Rúa, Dr. Sergiy Lysenko, Dr. Félix Fernández</td>
<td><strong>Time-resolved light scattering by photoexcited V2O3</strong></td>
<td>N Kumar, A Rúa, R Díaz, I Castillo, B Ayala, S Cita, F Fernández, S Lysenko MRS Advances 2 (23), 1231 (2017).</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Title</td>
<td>Journal/Conference</td>
<td>Year</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-----------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>Mark R Jury 2017</td>
<td>Uganda rainfall variability and prediction, Theoretical &amp; Applied Climatology, 128,</td>
<td>doi:10.1007/s00704-017-2135-4</td>
<td></td>
</tr>
</tbody>
</table>

Mark R Jury 2017, Statistics and meteorology of air pollution episodes over the South African Highveld based on satellite-model datasets, *J. Applied Meteorology & Climatology*, 56, doi.org/10.1175/JAMC-D-16-0354.1


Mark R Jury 2017, Evaluation of satellite-model proxies for hydro-meteorological services in the upper Zambezi, *J. Hydrology: Regional Studies*, 13, doi.org/10.1016/j.ejrh.2017.08.003


Search for anomalous couplings in boosted $\text{WW/WZ} \to \nu\bar{\nu}$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV

By CMS Collaboration (Albert M Sirunyan et al.)


Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV

By CMS Collaboration (Albert M Sirunyan et al.).


Measurement of the cross section for electroweak production of $Z\gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton–proton collisions at $\sqrt{s} = 8$ TeV

By CMS Collaboration (Vardan Khachatryan et al.).


Measurement of prompt and nonprompt $J/\psi$ production in proton–proton collisions at $\sqrt{s} = 8$ TeV

By CMS Collaboration (Albert M Sirunyan et al.).


Search for single production of vector-like quarks decaying to a $Z$ boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV

By CMS Collaboration (Albert M Sirunyan et al.).

JHEP 1705 (2017) 029.
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Journal and Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement of electroweak-induced production of $W\gamma$ with two jets in pp collisions at $\sqrt{s}=8$ TeV and constraints on anomalous quartic gauge couplings</td>
<td>By CMS Collaboration (Vardan Khachatryan et al.)</td>
<td>JHEP 1706 (2017) 106.</td>
</tr>
<tr>
<td>Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV</td>
<td>By CMS Collaboration (Albert M Sirunyan et al.)</td>
<td>JHEP 1703 (2017) 162.</td>
</tr>
<tr>
<td>Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $\tau$ leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV</td>
<td>By CMS Collaboration (Vardan Khachatryan et al.)</td>
<td>JHEP 1703 (2017) 077.</td>
</tr>
</tbody>
</table>
Search for CP violation in $t \overline{t}$ production and decay in proton-proton collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).
JHEP 1702 (2017) 048.

Measurement of the $\bar{t}t$ production cross section using events in the $e\mu$ final state in pp collisions at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Search for dijet resonances in proton–proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models
By CMS Collaboration (Albert M Sirunyan et al.).

Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{_{NN}}} = 5.02$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Suppression of $\Upsilon(1S), \Upsilon(2S)$ and $\Upsilon(3S)$ production in PbPb collisions at $\sqrt{s_{_{NN}}} = 2.76$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Relative Modification of Prompt $\psi(2S)$ and $J/\psi$ Yields from pp to PbPb Collisions at $\sqrt{s_{_{NN}}} = 5.02$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the $\Delta \eta \mathbf{p}_T$ variable
By CMS Collaboration (Vardan Khachatryan et al.).
Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (Serguei Chatrchyan et al.).

Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).
JHEP 1702 (2017) 079.

Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV
By CMS Collaboration (Vardan Khachatryan et al.).
JHEP 1702 (2017) 028.
Search for high-mass $Z\gamma\gamma$ resonances in $\math{e^+e^-}$ and $\mu^+\mu^-$ final states in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV
By CMS Collaboration (Vardan Khachatryan et al.).
JHEP 1701 (2017) 076.

Suppression and azimuthal anisotropy of prompt and nonprompt $J/\psi$ production in PbPb collisions at $\sqrt{s_{_{\text{NN}}}} = 2.76$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Observation of charge-dependent azimuthal correlations in $p$-Pb collisions and its implication for the search for the chiral magnetic effect
By CMS Collaboration (Vardan Khachatryan et al.).

Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV
By CMS Collaboration (V. Khachatryan et al.).
JHEP 1703 (2017) 156.

Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data
By CMS Collaboration (Vardan Khachatryan et al.).

Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s}=8$ TeV and cross section ratios to 2.76 and 7 TeV
By CMS Collaboration (Vardan Khachatryan et al.).
JHEP 1703 (2017) 156.

Search for high-mass diphoton resonances in proton–proton collisions at 13 TeV and combination with 8 TeV search
By CMS Collaboration (Vardan Khachatryan et al.).
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Journal/Volume</th>
<th>Page/Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>The CMS trigger system</td>
<td>By CMS Collaboration</td>
<td>JINST 12 (2017)</td>
<td>no.01, P01020</td>
</tr>
<tr>
<td>Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV</td>
<td>By CMS Collaboration (Vardan Khachatryan et al.)</td>
<td>JINST 12 (2017)</td>
<td>no.02, P02014</td>
</tr>
<tr>
<td>Observation of the decay $B^+ \to \psi(2S) \phi(1020) K^+$ in pp collisions at $\sqrt{s} = 8$ TeV</td>
<td>By CMS Collaboration (Vardan Khachatryan et al.)</td>
<td>Phys.Lett. B764 (2017)</td>
<td>66-86</td>
</tr>
<tr>
<td>Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV</td>
<td>By CMS Collaboration (Vardan Khachatryan et al.)</td>
<td>JHEP 1702 (2017)</td>
<td>096</td>
</tr>
<tr>
<td>Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using $H \to WW$ decays</td>
<td>By CMS Collaboration (Vardan Khachatryan et al.)</td>
<td>JHEP 1703 (2017)</td>
<td>032</td>
</tr>
</tbody>
</table>
Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s} = 8$ TeV using the $\alpha_T$ variable
By CMS Collaboration (Vardan Khachatryan et al.).

Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC
By CMS Collaboration (Vardan Khachatryan et al.).

Measurements of the $t\bar{t}$ production cross section in lepton+jets final states in pp collisions at 8 $\text{TeV}$ and ratio of 8 to 7 $\text{TeV}$ cross sections
By CMS Collaboration (Vardan Khachatryan et al.).

Observation of top quark production in proton-nucleus collisions
By CMS Collaboration (Albert M Sirunyan et al.).

Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s}=13\text{ TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).

Principal-component analysis of two-particle azimuthal correlations in PbPb and $p\text{Pb}$ collisions at CMS
By CMS Collaboration (A.M. Sirunyan et al.).

Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton–proton collisions at $\sqrt{s}=13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s}=8$ TeV
By CMS Collaboration (A.M. Sirunyan et al.).
JHEP 1711 (2017) 010.
Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1712 (2017) 142.

Measurement of the differential cross sections for the associated production of a $W$ boson and jets in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).

Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1710 (2017) 005.

Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13 \text{ } \text{ TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).

Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state
By CMS Collaboration (Albert M Sirunyan et al.).

Search for Higgs boson pair production in the $b\bar{b}\tau\tau$ final state in proton-proton collisions at $\sqrt{s}=8 \text{ TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).

Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).

Measurements of properties of the Higgs boson decaying into the four-lepton final state in $pp$ collisions at $\sqrt{s}=13 \text{ TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).

Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).

Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $\sqrt{s}=13 \text{ TeV}$
By CMS Collaboration (A.M. Sirunyan et al.).
**Measurement of the semileptonic $t\bar{t} + γ$ production cross section in $pp$ collisions at $\sqrt{s}=8$ TeV**
By CMS Collaboration (Albert M Sirunyan et al.).

**Measurements of jet charge with dijet events in $pp$ collisions at $\sqrt{s}=8$ TeV**
By CMS Collaboration (Albert M Sirunyan et al.).

**Particle-flow reconstruction and global event description with the CMS detector**
By CMS Collaboration (A.M. Sirunyan et al.).
JINST 12 (2017) no.10, P10003.

**Search for top squark pair production in $pp$ collisions at $\sqrt{s}=13$ TeV using single lepton events**
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1710 (2017) 019.

**Searches for $W'$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV**
By CMS Collaboration (Albert M Sirunyan et al.).

**Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s}=13$ TeV**
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1710 (2017) 073.

**Search for pair production of vector-like $T$ and $B$ quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s}=13$ TeV**
By CMS Collaboration (A.M. Sirunyan et al.).

**Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV**
By CMS Collaboration (A.M. Sirunyan et al.).

**Search for top quark partners with charge $5/3$ in proton-proton collisions at $\sqrt{s}=13$ TeV**
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1708 (2017) 073.

**Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV**
By CMS Collaboration (Albert M Sirunyan et al.).
Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton–proton collisions at $\sqrt{s}=8$ and 13 TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Measurement of the $\text{B}^{\pm}\text{[pm]}$ Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s}_{\text{NN}}=5.02$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for supersymmetry in $pp$ Collisions at $\sqrt{s}=13$ TeV in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets
By CMS Collaboration (Albert M Sirunyan et al.).

Search for new phenomena with the $M_{T2}$ variable in the all-hadronic final state produced in proton–proton collisions at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of $W$ and $Z$ Bosons Using $pp$ Collisions at $\sqrt{s}=13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s}=8$ TeV and constraints on parton distribution functions
By CMS Collaboration (Albert M Sirunyan et al.).

Search for black holes in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton–proton collisions at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Measurement of the top quark mass in the dileptonic $\bar{t}t$ decay channel using the mass observables $M_{b\ell\ell}$, $M_{T2}$, and $M_{b\ell\ell\nu\nu}$ in $pp$ collisions at $\sqrt{s}=8$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for $\mathrm{t\overline{t}}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1707 (2017) 001.

Measurements of the pp $\to W\gamma\gamma$ and pp $\to Z\gamma\gamma$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s}=8$ TeV
By CMS Collaboration (A.M. Sirunyan et al.).
JHEP 1710 (2017) 072.

Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s}=13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for a heavy resonance decaying to a top quark and a vector-like top quark at $\sqrt{s}=13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1709 (2017) 053.

Measurement of the jet mass in highly boosted $\mathrm{t\overline{t}}$ events from $pp$ collisions at $\sqrt{s}=8$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for anomalous couplings in boosted $\mathrm{WW/WW}$ production in proton-proton collisions at $\sqrt{s}=8$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for associated production of dark matter with a Higgs boson decaying to $\mathrm{b\overline{b}}$ or $\gamma\gamma$ at $\sqrt{s}=13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).
Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ $\text{TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1707 (2017) 121.

Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s}=13$ $\text{TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1707 (2017) 014.

Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s}=8$ $\text{TeV}$ and impact on parton distribution functions
By CMS Collaboration (Albert M Sirunyan et al.).

Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s}=13$ $\text{TeV}$
By CMS Collaboration (A.M. Sirunyan et al.).

Measurement of the cross section for electroweak production of $Z\gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton–proton collisions at $\sqrt{s}=8$ $\text{TeV}$
By CMS Collaboration (Vardan Khachatryan et al.).

Search for associated production of a Z boson with a single top quark and for $tZ$ flavour-changing interactions in pp collisions at $\sqrt{s}=8$ $\text{TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1707 (2017) 003.

Study of Jet Quenching with $Z+\text{jet}$ Correlations in Pb-Pb and pp Collisions at $\sqrt{s}=\text{5.02 TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).

Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $\sqrt{s}=13$ $\text{TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).
JHEP 1708 (2017) 046.

Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s}=13$ $\text{TeV}$
By CMS Collaboration (Albert M Sirunyan et al.).
Search for new phenomena with multiple charged leptons in proton–proton collisions at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Measurement of the $t\bar{t}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Albert M. Sirunyan et al.).
JHEP 1709 (2017) 051.

Search for light bosons in decays of the 125 GeV Higgs boson in proton–proton collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (V. Khachatryan et al.).
JHEP 1710 (2017) 076.

Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Search for leptophobic $Z'$ bosons decaying into four-lepton final states in proton–proton collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (V. Khachatryan et al.).

Search for high-mass $\gamma$ resonances in proton-proton collisions at $\sqrt{s} = 8\text{ and 13 TeV using jet substructure techniques}$
By CMS Collaboration (Albert M Sirunyan et al.).

Search for heavy gauge W' boson in events with an energetic lepton and large missing transverse momentum at $\sqrt{s} = 13$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).

Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s}_{\text{NN}} = 5.02$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).

Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state
By CMS Collaboration (Vardan Khachatryan et al.).

Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV
By CMS Collaboration (V. Khachatryan et al.).
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Journal and Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suppression of $\Upsilon(1S), \Upsilon(2S)$ and $\Upsilon(3S)$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV</td>
<td>By CMS Collaboration (Vardan Khachatryan et al.)</td>
<td>Phys.Lett. B770 (2017) 357-379.</td>
</tr>
</tbody>
</table>