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Photoinduced surface plasmon switching at VO$_2$/Au interface.


**Dr. Mark Jury**


Jury, M.R., 2018, Northward excursion of the ITCZ toward the Caribbean in boreal summer, Meteor Atmos Phys, 130, doi10.1007/s00703-018-0642-1


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<th>Author(s)</th>
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<tr>
<td>Jury, M.R.</td>
<td>Climate trends across South Africa since 1980</td>
<td>WaterSA</td>
<td>2018</td>
<td>dx.doi.org/10.4314/wsa.v44i2.15</td>
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**Search for supersymmetry in events with a $\tau$ lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV**

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


**Measurement of differential cross sections for inclusive isolated-photon and photon+jets production in proton-proton collisions at $\sqrt{s} = 13$ TeV**

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**Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s} = 13$ TeV**

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**Measurement of differential cross sections for $Z$ boson pair production in association with jets at $\sqrt{s} = 8$ and 13 TeV**

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


**Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s} = 13$ TeV**

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


**Search for the decay of a Higgs boson in the $\ell\ell\gamma$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV**

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


**Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s} = 13$ TeV**
By CMS Collaboration (Albert M Sirunyan et al.).
Submitted to: Phys.Lett.

Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s}=13$ TeV
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Submitted to: Phys.Lett.

Search for dark matter produced in association with a Higgs boson decaying to $\gamma\gamma$ or $\tau^+\tau^-$ at $\sqrt{s}=13$ TeV
By CMS Collaboration (Albert M Sirunyan et al.).
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Search for a singly produced third-generation scalar leptoquark decaying to a $\tau$ lepton and a bottom quark in proton-proton collisions at $\sqrt{s}=13$ TeV
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Search for pair-produced resonances each decaying into at least four quarks in proton-proton collisions at $\sqrt{s}=13$ TeV
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*Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $\sqrt{s}=13$ TeV*
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*JHEP.*

*Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV*
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*Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s} = 13$ TeV*
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*Constraining gluon distributions in nuclei using dijets in proton-proton and proton-lead collisions at $\sqrt{s_{_{\text{NN}}}}=5.02$ TeV*
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<td>Search for $t\overline{t}H$ production in the $H\rightarrow t\overline{b}$ decay channel with leptonic $t\overline{t}$ decays in proton-proton collisions at $\sqrt{s}$ = 13 TeV</td>
<td>CMS Collaboration (Albert M Sirunyan et al.)</td>
<td>arXiv:1804.03682 [hep-ex].</td>
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Observation of $t\bar{t}H$ production
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Search for a new scalar resonance decaying to a pair of $Z$ bosons in proton-proton collisions at $\sqrt{s}=13$ TeV
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<td>Search for ZZ resonances in the 2$\ell$2$\nu$ final state in proton-proton collisions at 13 TeV</td>
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<td>Measurement of the inclusive $\mathrm{t}\overline{\mathrm{t}}$ cross section in pp collisions at $\sqrt{s} = 5.02$ TeV using final states with at least one charged lepton</td>
<td>By CMS Collaboration (A.M. Sirunyan et al.). JHEP 1803 (2018) 115.</td>
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<td>By CMS Collaboration (Albert M Sirunyan et al.).</td>
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