

# Abanti Ranadhir Sahasransu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7901494/publications.pdf>

Version: 2024-02-01

22  
papers

299  
citations

1163117

8  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1648  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of $\ell^+\ell^-$ Leptons in $pp$ Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 7.8 | 9         |
| 2  | 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         |
| 3  | 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         |
| 4  | 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        |
| 5  | 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         |
| 6  | 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         |
| 7  | 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        |
| 8  | 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, .                         | 4.7 | 5         |
| 9  | 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        |
| 10 | 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         |
| 11 | 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         |
| 12 | 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         |
| 13 | 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         |
| 14 | 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         |
| 15 | 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         |
| 16 | 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         |
| 17 | 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         |
| 18 | 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        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$ . European Physical Journal C, 2021, 81, 723. | 3.9 | 19        |
| 20 | Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.  | 3.9 | 123       |
| 21 | Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$ . European Physical Journal C, 2021, 81, 970.                                      | 3.9 | 18        |
| 22 | Soft displaced leptons at the LHC. Journal of High Energy Physics, 2020, 2020, 1.   | 4.7 | 6         |