

# Katherine Dunne

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8438452/publications.pdf>

Version: 2024-02-01

14  
papers

135  
citations

1307594

7  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

71  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Status of the Design of an Annihilation Detector to Observe Neutron-Antineutron Conversions at the European Spallation Source. <i>Symmetry</i> , 2022, 14, 76.   | 2.2 | 7         |
| 2  | Measurement of the c-jet mistagging efficiency in $\sqrt{s}=13$ TeV events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. <i>European Physical Journal C</i> , 2022, 82, .  | 3.9 | 14        |
| 3  | Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.  | 4.7 | 2         |
| 4  | Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022, 82, 1. | 3.9 | 8         |
| 5  | Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with $139 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.                                  | 4.7 | 10        |
| 6  | AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022, 6, 1.   | 2.9 | 23        |
| 7  | Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu_{\mu} (\rightarrow \pi^{\pm} \nu_{\mu}) u_{\mu} \bar{u}_{\mu}$ events in Run2 data. <i>European Physical Journal C</i> , 2022, 82, 1.                               | 3.9 | 4         |
| 8  | Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022, 82, .  | 3.9 | 7         |
| 9  | Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s}=13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. <i>European Physical Journal C</i> , 2022, 82, .  | 3.9 | 2         |
| 10 | Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and $13$ TeV. <i>European Physical Journal C</i> , 2022, 82, 1.  | 3.9 | 12        |
| 11 | Computing and Detector Simulation Framework for the HIBEAM/NNBAR Experimental Program at the ESS. <i>EPJ Web of Conferences</i> , 2021, 251, 02062.  | 0.3 | 7         |
| 12 | New high-sensitivity searches for neutrons converting into antineutrons and/or sterile neutrons at the HIBEAM/NNBAR experiment at the European Spallation Source. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 070501.  | 3.6 | 33        |
| 13 | A Revised Version of the ATLAS Tile Calorimeter Link Daughterboard for the HL-LHC. <i>IEEE Transactions on Nuclear Science</i> , 2021, 68, 2414-2420.  | 2.0 | 2         |
| 14 | Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.  | 4.7 | 4         |