

LIST OF PUBLICATIONS

Publications with significant contribution

1. **'Simulation and Reconstruction Study of a Future Surface Scintillator Array at the IceCube Neutrino Observatory'**
A. Leszczyńska *et al.* IceCube Collaboration, [arXiv:1909.02258](https://arxiv.org/abs/1909.02258) [astro-ph.IM] PoS-ICRC2019-332
2. **'Simulation study for the IceCube IceTop enhancement with a scintillator array'**
A. Leszczyńska *et al.* IceCube Gen2 Collaboration,
[DOI:10.1088/1742-6596/1181/1/012076](https://doi.org/10.1088/1742-6596/1181/1/012076) J. Phys. Conf. Ser. **1181**, no. 1, 012076 (2019).
3. **'The IceCube Neutrino Observatory – Contributions to the 36th International Cosmic Ray Conference (ICRC2019)'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1907.11699](https://arxiv.org/abs/1907.11699) [astro-ph.HE]
4. **'A Scintillator and Radio Enhancement of the IceCube Surface Detector Array'**
A. Haungs *et al.* IceCube Collaboration, [arXiv:1903.04117](https://arxiv.org/abs/1903.04117) [astro-ph.IM]
[DOI:10.1051/epjconf/201921006009](https://doi.org/10.1051/epjconf/201921006009) EPJ Web Conf. **210**, 06009 (2019)

Journal publications

1. **'Efficient propagation of systematic uncertainties from calibration to analysis with the SnowStorm method in IceCube'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1909.01530](https://arxiv.org/abs/1909.01530) [hep-ex]
[DOI:10.1088/1475-7516/2019/10/048](https://doi.org/10.1088/1475-7516/2019/10/048) JCAP **1910**, no. 10, 048 (2019)
2. **'Search for Sources of Astrophysical Neutrinos Using Seven Years of IceCube Cascade Events'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1907.06714](https://arxiv.org/abs/1907.06714) [astro-ph.HE]
[DOI:10.3847/1538-4357/ab4ae2](https://doi.org/10.3847/1538-4357/ab4ae2) Astrophys. J. **886**, 12 (2019)
3. **'Detector developments for a hybrid particle and radio array for cosmic-ray air-shower detection'**
M. Renschler *et al.* [DOI:10.1088/1742-6596/1181/1/012075](https://doi.org/10.1088/1742-6596/1181/1/012075) J. Phys. Conf. Ser. **1181**, no. 1, 012075 (2019).

Other publications

1. **'ANTARES and IceCube Combined Search for Neutrino Point-like and Extended Sources in the Southern Sky'**
A. Albert *et al.* ANTARES and IceCube Collaborations, [arXiv:2001.04412](https://arxiv.org/abs/2001.04412) [astro-ph.HE] *submitted to ApJ*
2. **'A search for IceCube events in the direction of ANITA neutrino candidates'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:2001.01737](https://arxiv.org/abs/2001.01737) [astro-ph.HE] *submitted to ApJ*
3. **'Searches for neutrinos from cosmic-ray interactions in the Sun using seven years of IceCube data'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1912.13135](https://arxiv.org/abs/1912.13135) [astro-ph.HE] *submitted to JCAP*
4. **'Constraints on Neutrino Emission from Nearby Galaxies Using the 2MASS Redshift Survey and IceCube'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1911.11809](https://arxiv.org/abs/1911.11809) [astro-ph.HE] *submitted to JCAP*
5. **'Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU'**
M. G. Aartsen *et al.* IceCube and JUNO Collaborations, [arXiv:1911.06745](https://arxiv.org/abs/1911.06745) [hep-ex] *submitted to PRD*
6. **'Neutrino astronomy with the next generation IceCube Neutrino Observatory'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1911.02561](https://arxiv.org/abs/1911.02561) [astro-ph.HE] *related submission to Astro2020*
7. **'Time-integrated Neutrino Source Searches with 10 years of IceCube Data'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1910.08488](https://arxiv.org/abs/1910.08488) [astro-ph.HE] *submitted to PRL*
8. **'Design and Performance of the first IceAct Demonstrator at the South Pole'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1910.06945](https://arxiv.org/abs/1910.06945) [astro-ph.IM] *submitted to JINST*

9. **'A Search for Neutrino Point-Source Populations in 7 Years of IceCube Data with Neutrino-count Statistics'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1909.08623](https://arxiv.org/abs/1909.08623) [astro-ph.HE] *submitted to ApJ* LCTP-19-19
10. **'A Search for MeV to TeV Neutrinos from Fast Radio Bursts with IceCube'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1908.09997](https://arxiv.org/abs/1908.09997) [astro-ph.HE] *submitted to ApJ*
11. **'Search for PeV Gamma-Ray Emission from the Southern Hemisphere with 5 Years of Data from the IceCube Observatory'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1908.09918](https://arxiv.org/abs/1908.09918) [astro-ph.HE] *submitted to ApJ*
12. **'Velocity Independent Constraints on Spin-Dependent DM-Nucleon Interactions from IceCube and PICO'**
M. G. Aartsen *et al.* IceCube and PICO Collaborations, [arXiv:1907.12509](https://arxiv.org/abs/1907.12509) [astro-ph.HE] *submitted to EPJ C*
13. **'Computational Techniques for the Analysis of Small Signals in High-Statistics Neutrino Oscillation Experiments'**
M. G. Aartsen *et al.* IceCube Collaboration, [arXiv:1803.05390](https://arxiv.org/abs/1803.05390) [physics.data-an]

Other conference proceedings for the IceCube Collaboration can be found here: icecube.wisc.edu/pubs