

T2K group publications (July 2017- December 2019)

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- [2] A. Aduszkiewicz et al., “Proton-proton interactions and onset of deconfinement”, [arXiv:1912.10871](#).
- [3] **T2K** Collaboration, K. Abe et al., “Search for Electron Antineutrino Appearance in a Long-baseline Muon Antineutrino Beam”, [arXiv:1911.07283](#).
- [4] **T2K** Collaboration, K. Abe et al., “Measurement of neutrino and antineutrino neutral-current quasielastic-like interactions on oxygen by detecting nuclear de-excitation γ -rays”, [arXiv:1910.09439](#).
- [5] **T2K** Collaboration, K. Abe et al., “Constraint on the Matter-Antimatter Symmetry-Violating Phase in Neutrino Oscillations”, [arXiv:1910.03887](#).
- [6] **NA61/SHINE** Collaboration, A. Aduszkiewicz et al., “Measurements of hadron production in $\pi^+ + C$ and $\pi^+ + Be$ interactions at 60 GeV/ c ”, *Phys. Rev. D* **100** (2019), no. 11, 112004, [arXiv:1909.06294](#). doi:10.1103/PhysRevD.100.112004.
- [7] **T2K** Collaboration, K. Abe et al., “Measurement of the muon neutrino charged-current single π^+ production on hydrocarbon using the T2K off-axis near detector ND280”, [arXiv:1909.03936](#).
- [8] **NA61/SHINE** Collaboration, A. Aduszkiewicz et al., “Measurements of production and inelastic cross sections for $p + C$, $p + Be$, and $p + Al$ at 60 GeV/ c and $p + C$ and $p + Be$ at 120 GeV/ c ”, *Phys. Rev. D* **100** (2019), no. 11, 112001, [arXiv:1909.03351](#). doi:10.1103/PhysRevD.100.112001.
- [9] **T2K** Collaboration, K. Abe et al., “First Measurement of the Charged Current $\bar{\nu}_\mu$ Double Differential Cross Section on a Water Target without Pions in the final state”, [arXiv:1908.10249](#).
- [10] **T2K, J-PARC Neutrino Facility Group** Collaboration, K. Abe et al., “J-PARC Neutrino Beamline Upgrade Technical Design Report”, [arXiv:1908.05141](#).
- [11] **NA61/SHINE** Collaboration, A. Aduszkiewicz et al., “Measurement of ϕ Meson Production in $p + p$ Interactions at 40 , 80 and 158 GeV/ c with the NA61/SHINE Spectrometer at the CERN SPS”, [arXiv:1908.04601](#).
- [12] D. Attié et al., “Performances of a resistive MicroMegas module for the Time Projection Chambers of the T2K Near Detector upgrade”, [arXiv:1907.07060](#).
- [13] **T2K** Collaboration, K. Abe et al., “Measurement of the ν_μ charged-current cross sections on water, hydrocarbon, iron, and their ratios with the T2K on-axis detectors”, [arXiv:1904.09611](#). doi:10.1093/ptep/ptz070.

- [14] **T2K** Collaboration, K. Abe et al., “Search for heavy neutrinos with the T2K near detector ND280”, *Phys. Rev.* **D100** (2019), no. 5, 052006, arXiv:1902.07598. doi:10.1103/PhysRevD.100.052006.
- [15] **T2K** Collaboration, K. Abe et al., “Search for light sterile neutrinos with the T2K far detector Super-Kamiokande at a baseline of 295 km”, *Phys. Rev.* **D99** (2019), no. 7, 071103, arXiv:1902.06529. doi:10.1103/PhysRevD.99.071103.
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- [18] A. Dell’Acqua et al., “Future Opportunities in Accelerator-based Neutrino Physics”, in *European Neutrino "Town" meeting and ESPP 2019 discussion Geneva, Switzerland, October 22-24, 2018*. 2018. arXiv:1812.06739.
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