

**[The track-length extension fitting algorithm for energy measurement of interacting particles in liquid argon TPCs and its performance with ProtoDUNE-SP data](#)**

DUNE Collaboration • [Adam Abed Abud](#) ([CERN](#)) et al.

e-Print: [2409.18288](#) [physics.ins-det]

DOI: [10.1088/1748-0221/20/02/P02021](#)

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**[DUNE Phase II: scientific opportunities, detector concepts, technological solutions](#)**

DUNE Collaboration • [Adam Abed Abud](#) ([CERN](#)) et al.

e-Print: [2408.12725](#) [physics.ins-det]

DOI: [10.1088/1748-0221/19/12/P12005](#)

Published in: JINST 19 (2024) 12, P12005

**[First measurement of the total inelastic cross section of positively charged kaons on argon at energies between 5.0 and 7.5 GeV](#)**

DUNE Collaboration • [Adam Abed Abud](#) ([CERN](#)) et al.

e-Print: [2408.00582](#) [hep-ex]

DOI: [10.1103/PhysRevD.110.092011](#) (publication)

Published in: Phys.Rev.D 110 (2024) 9, 092011

**[Supernova Pointing Capabilities of DUNE](#)**

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**[Performance of a Modular Ton-Scale Pixel-Readout Liquid Argon Time Projection Chamber](#)**

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e-Print: [2403.03212](#) [physics.ins-det]

DOI: [10.3390/instruments8030041](#)

Published in: Instruments 8 (2024) 3, 41

**[Doping liquid argon with xenon in ProtoDUNE Single-Phase: effects on scintillation light](#)**

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e-Print: [2402.01568](#) [physics.ins-det]

DOI: [10.1088/1748-0221/19/08/P08005](#)

Published in: JINST 19 (2024) 08, P08005

**[The DUNE Far Detector Vertical Drift Technology. Technical Design Report](#)**

DUNE Collaboration • [Adam Abed Abud](#) ([CERN](#)) et al.

e-Print: [2312.03130](#) [hep-ex]

DOI: [10.1088/1748-0221/19/08/T08004](https://doi.org/10.1088/1748-0221/19/08/T08004)

Published in: JINST 19 (2024) 08, T08004

### **[Search for low mass dark matter in DarkSide-50: the bayesian network approach](#)**

DarkSide-50 Collaboration • [P. Agnes](#) ([Royal Holloway, U. of London](#)) et al.

e-Print: [2302.01830](#) [hep-ex]

DOI: [10.1140/epjc/s10052-023-11410-4](https://doi.org/10.1140/epjc/s10052-023-11410-4)

Published in: Eur.Phys.J.C 83 (2023), 322

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e-Print: [2212.09807](#) [physics.comp-ph]

DOI: [10.1088/1748-0221/18/04/P04034](https://doi.org/10.1088/1748-0221/18/04/P04034)

Published in: JINST 18 (2023) 04, P04034

### **[DUNE Offline Computing Conceptual Design Report](#)**

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e-Print: [2210.15665](#) [physics.data-an]

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DUNE Collaboration • [Adam Abed Abud](#) ([Liverpool U.](#) and [CERN](#)) et al.

e-Print: [2206.14521](#) [hep-ex]

DOI: [10.1140/epjc/s10052-023-11733-2](https://doi.org/10.1140/epjc/s10052-023-11733-2)

Published in: Eur.Phys.J.C 83 (2023) 7, 618

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e-Print: [2203.17053](#) [physics.ins-det]

DOI: [10.1140/epjc/s10052-022-10791-2](https://doi.org/10.1140/epjc/s10052-022-10791-2)

Published in: Eur.Phys.J.C 82 (2022) 10, 903

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DUNE Collaboration • [Adam Abed Abud](#) ([CERN](#) and [Liverpool U.](#)) et al.

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### **[Low exposure long-baseline neutrino oscillation sensitivity of the DUNE experiment](#)**

DUNE Collaboration • [A. Abud Abed](#) ([CERN](#) and [Liverpool U.](#)) et al.

e-Print: [2109.01304](#) [hep-ex]

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### **[Design, construction and operation of the ProtoDUNE-SP Liquid Argon TPC](#)**

DUNE Collaboration • [A. Abed Abud](#) ([Liverpool U.](#) and [CERN](#)) et al.

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Published in: JINST 17 (2022) 01, P01005

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DUNE Collaboration • [A. Abed Abud](#) ([Liverpool U.](#) and [CERN](#)) et al.

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DarkSide-50 Collaboration • [P. Agnes](#) ([Houston U.](#)) et al.

e-Print: [2107.08015](#) [physics.ins-det]

DOI: [10.1016/j.astropartphys.2022.102704](#) (publication)

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DarkSide Collaboration • [P. Agnes](#) ([Houston U.](#), [TcSAM](#) and [Houston U.](#)) et al.

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JUNO Collaboration • [Angel Abusleme](#) ([Chile U.](#), [Catolica](#)) et al.

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JUNO Collaboration • [Angel Abusleme](#) ([Chile U.](#), [Catolica](#)) et al.

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DarkSide Collaboration • [P.D. Meyers](#) ([Princeton U.](#)) et al.

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Published in: Phys.Procedia 61 (2015), 124-129

### **Geo-neutrinos from 1353 Days with the Borexino Detector**

Borexino Collaboration • [L. Miramonti](#) ([INFN, Milan](#) and [Milan U.](#)) et al.

DOI: [10.1016/j.phpro.2014.12.073](https://doi.org/10.1016/j.phpro.2014.12.073)

Published in: Phys.Procedia 61 (2015), 340-344

### **Short Distance Neutrino Oscillations with BoreXino: SOX**

[O. Smirnov](#) ([Dubna, JINR](#)), [G. Bellini](#) ([INFN, Milan](#)), [J. Benziger](#) ([Princeton U.](#)), [D. Bick](#) ([Hamburg U.](#)), [G. Bonfini](#) ([Gran Sasso](#)) et al.

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DarkSide Collaboration • [P. Agnes](#) ([APC, Paris](#)) et al.

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### **Neutrino measurements from the Sun and Earth: Results from Borexino**

[G. Bellini](#) ([INFN, Milan](#) and [Milan U.](#)), [J. Benziger](#) ([Princeton U.](#)), [D. Bick](#) ([Hamburg U.](#)), [G. Bonfini](#) ([Gran Sasso](#)), [D. Bravo](#) ([Virginia Tech.](#)) et al.

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### **Geo-neutrinos and Borexino**

[L. Ludhova](#) ([INFN, Milan](#)), [G. Bellini](#) ([INFN, Milan](#)), [J. Benziger](#) ([Princeton U.](#)), [D. Bick](#) ([Hamburg U.](#)), [G. Bonfini](#) ([Gran Sasso](#)) et al.

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### **The DarkSide Multiton Detector for the Direct Dark Matter Search**

[C.E. Aalseth](#) ([PNL, Richland](#)), [P. Agnes](#) ([APC, Paris](#)), [A. Alton](#) ([Augustana Coll., Sioux Falls](#)), [K. Arisaka](#) ([UCLA](#)), [D.M. Asner](#) ([PNL, Richland](#)) et al.

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### **The SOX experiment in the neutrino physics**

[L. Di Noto](#) ([INFN, Genoa](#)), [M. Agostini](#) ([Munich U.](#)), [K. Althenmüller](#) ([Munich U.](#)), [G. Bellini](#) ([Milan U.](#) and [INFN, Milan](#)), [J. Benziger](#) ([Princeton U., Chem. Eng. Dept.](#)) et al.

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[M. Pallavicini](#) ([INFN, Genoa](#) and [Genoa U.](#)), [G. Bellini](#) ([Milan U.](#) and [INFN, Milan](#)), [J. Benziger](#) ([Princeton U.](#), [Chem. Eng. Dept.](#)), [D. Bick](#) ([Hamburg U.](#)), [G. Bonfini](#) ([Gran Sasso](#)) et al.

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### **Solar neutrino results from Borexino**

[D. Franco](#) ([APC, Paris](#)), [G. Bellini](#) ([INFN, Milan](#)), [J. Benziger](#) ([Princeton U.](#)), [D. Bick](#) ([Hamburg U.](#)), [G. Bonfini](#) ([Gran Sasso](#)) et al.

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Borexino Collaboration • [Evgeny Litvinovich](#) ([Moscow, KSRS](#)) et al.

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Borexino Collaboration • [G. Bellini](#) ([INFN, Milan](#)) et al.

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Borexino Collaboration • [G. Bellini \(Milan U.](#) and [INFN, Milan\)](#) et al.

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[G. Testera](#) ([INFN, Genoa](#) and [Genoa U.](#)), [G. Bellini](#) ([Milan U.](#) and [INFN, Milan](#)), [J. Benziger](#) ([Princeton U.](#)), [D. Bick](#) ([Hamburg U.](#)), [S. Bonetti](#) ([Milan U.](#) and [INFN, Milan](#)) et al.

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DOI: [10.1103/PhysRevLett.108.051302](#)

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[G. Bellini](#) ([Milan U.](#) and [INFN, Milan](#)), [J. Benziger](#) ([Princeton U.](#)), [D. Bick](#) ([Hamburg U.](#)), [S. Bonetti](#) ([Milan U.](#) and [INFN, Milan](#)), [G. Bonfini](#) ([Gran Sasso](#)) et al.

e-Print: [1104.1816](#) [hep-ex]

DOI: [10.1103/PhysRevLett.107.141302](#)

Published in: Phys.Rev.Lett. 107 (2011), 141302

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D0 Collaboration • [V.M. Abazov](#) ([Dubna, JINR](#)) et al.

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