

### **[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]

DOI: [10.1103/PhysRevD.105.072006](#) (publication)

Published in: Phys.Rev.D 105 (2022) 7, 072006

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

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

e-Print: [2108.01902](#) [physics.ins-det]

DOI: [10.1088/1748-0221/17/01/P01005](#)

Published in: JINST 17 (2022) 01, P01005

### **[Searching for solar KDAR with DUNE](#)**

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

e-Print: [2107.09109](#) [hep-ex]

DOI: [10.1088/1475-7516/2021/10/065](#)

Published in: JCAP 10 (2021), 065

### **[A study of events with photoelectric emission in the DarkSide-50 liquid argon Time Projection Chamber](#)**

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

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

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

Published in: Astropart.Phys. 140 (2022), 102704

### **[Calibration of the liquid argon ionization response to low energy electronic and nuclear recoils with DarkSide-50](#)**

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

e-Print: [2107.08087](#) [physics.ins-det]

DOI: [10.1103/PhysRevD.104.082005](#) (publication)

Published in: Phys.Rev.D 104 (2021) 8, 082005

### **DarkSide-50: A WIMP Search with a Two-phase Argon TPC**

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

DOI: [10.1016/j.phpro.2014.12.021](https://doi.org/10.1016/j.phpro.2014.12.021)

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.

DOI: [10.1016/j.phpro.2014.12.115](https://doi.org/10.1016/j.phpro.2014.12.115)

Published in: Phys.Procedia 61 (2015), 511-517

### **Results From the First Use of Low Radioactivity Argon in a Dark Matter Search**

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

e-Print: [1510.00702](https://arxiv.org/abs/1510.00702) [astro-ph.CO]

DOI: [10.1103/PhysRevD.93.081101](https://doi.org/10.1103/PhysRevD.93.081101), [10.1103/PhysRevD.95.069901](https://doi.org/10.1103/PhysRevD.95.069901) (addendum)

Published in: Phys.Rev.D 93 (2016) 8, 081101, Phys.Rev.D 95 (2017) 6, 069901 (addendum)

### **A test of electric charge conservation with Borexino**

Borexino Collaboration • [M. Agostini](#) ([Munich, Tech. U.](#) and [Gran Sasso](#)) et al.

e-Print: [1509.01223](https://arxiv.org/abs/1509.01223) [hep-ex]

DOI: [10.1103/PhysRevLett.115.231802](https://doi.org/10.1103/PhysRevLett.115.231802)

Published in: Phys.Rev.Lett. 115 (2015), 231802

### **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.

DOI: [10.1063/1.4915567](#)

Published in: AIP Conf.Proc. 1666 (2015) 1, 090002

### **[Measurement of neutrino flux from the primary proton–proton fusion process in the Sun with Borexino detector](#)**

Borexino Collaboration • [O.Yu. Smirnov](#) ([Dubna, JINR](#)) et al.

e-Print: [1507.02432](#) [hep-ex]

DOI: [10.1134/S106377961606023X](#)

Published in: Phys.Part.Nucl. 47 (2016) 6, 995-1002

### **[Spectroscopy of geoneutrinos from 2056 days of Borexino data](#)**

Borexino Collaboration • [M. Agostini](#) ([Munich, Tech. U.](#)) et al.

e-Print: [1506.04610](#) [hep-ex]

DOI: [10.1103/PhysRevD.92.031101](#)

Published in: Phys.Rev.D 92 (2015) 3, 031101

### **[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.

DOI: [10.1134/S1063779615020148](#)

Published in: Phys.Part.Nucl. 46 (2015) 2, 174-181

### **[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.

DOI: [10.1155/2015/541362](#)

Published in: Adv.High Energy Phys. 2015 (2015), 541362

### **[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.

DOI: [10.1393/ncc/i2015-15036-y](https://doi.org/10.1393/ncc/i2015-15036-y)

Published in: Nuovo Cim.C 38 (2015) 1, 36

### **[The Electronics and Data Acquisition System of the DarkSide Dark Matter Search](#)**

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

e-Print: [1412.2969](#) [astro-ph.IM]

### **[Solar neutrino with Borexino: results and perspectives](#)**

Borexino Collaboration • [O. Smirnov](#) ([Dubna, JINR](#)) et al.

e-Print: [1410.0779](#) [physics.ins-det]

DOI: [10.1134/S1063779615020185](https://doi.org/10.1134/S1063779615020185)

Published in: Phys.Part.Nucl. 46 (2015) 2, 166-173

### **[First Results from the DarkSide-50 Dark Matter Experiment at Laboratori Nazionali del Gran Sasso](#)**

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

e-Print: [1410.0653](#) [astro-ph.CO]

DOI: [10.1016/j.physletb.2015.03.012](https://doi.org/10.1016/j.physletb.2015.03.012)

Published in: Phys.Lett.B 743 (2015), 456-466

### **[Neutrinos from the primary proton–proton fusion process in the Sun](#)**

BOREXINO Collaboration • [G. Bellini](#) et al.

DOI: [10.1038/nature13702](https://doi.org/10.1038/nature13702)

Published in: Nature 512 (2014) 7515, 383-386

### **[Recent Borexino results and prospects for the near future](#)**

Borexino Collaboration • [D. D'Angelo](#) ([INFN, Milan](#) and [Milan U.](#)) et al.

e-Print: [1405.7919](#) [hep-ex]

DOI: [10.1051/epjconf/201612602008](https://doi.org/10.1051/epjconf/201612602008)

Published in: EPJ Web Conf. 126 (2016), 02008

### **The Borexino Experiment: Recent results and future plans**

[N. Rossi](#), [G. Bellini](#), J. Benziger, [D. Bick](#), [G. Bonfini](#) et al.

DOI: [10.1393/ncc/i2014-11675-8](#)

Published in: Nuovo Cim.C 037 (2014) 01, 119-123

### **Low energy neutrinos**

[G. Ranucci](#) ([INFN, Milan](#)), [G. Bellini](#), J. Benziger, [D. Bick](#), [G. Bonfini](#) et al.

DOI: [10.1142/S2010194514602853](#)

Published in: Int.J.Mod.Phys.Conf.Ser. 31 (2014), 1460285

### **Borexino---The achievements and prospects**

[G. Bellini](#), J. Benziger, [D. Bick](#), [G. Bonfini](#), M. Buizza Avanzini et al.

DOI: [10.1393/ncc/i2015-11836-3](#)

Published in: Nuovo Cim.C 037 (2014) 6, 21-28

### **DarkSide search for dark matter**

DarkSide Collaboration • [T. Alexander](#) ([Massachusetts U., Amherst](#)) et al.

DOI: [10.1088/1748-0221/8/11/C11021](#)

Published in: JINST 8 (2013), C11021

### **New limits on heavy sterile neutrino mixing in B8 decay obtained with the Borexino detector**

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

e-Print: [1311.5347](#) [hep-ex]

DOI: [10.1103/PhysRevD.88.072010](#)

Published in: Phys.Rev.D 88 (2013) 7, 072010

### **Final results of Borexino Phase-I on low energy solar neutrino spectroscopy**

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

e-Print: [1308.0443](#) [hep-ex]

DOI: [10.1103/PhysRevD.89.112007](#)

Published in: Phys.Rev.D 89 (2014) 11, 112007

### **SOX: Short distance neutrino Oscillations with BoreXino**

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

e-Print: [1304.7721](#) [physics.ins-det]

DOI: [10.1007/JHEP08\(2013\)038](#)

Published in: JHEP 08 (2013), 038

### **Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth**

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

e-Print: [1304.7381](#) [physics.ins-det]

DOI: [10.1088/1475-7516/2013/08/049](#)

Published in: JCAP 08 (2013), 049

### **Measurement of geo-neutrinos from 1353 days of Borexino**

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

e-Print: [1303.2571](#) [hep-ex]

DOI: [10.1016/j.physletb.2013.04.030](#)

Published in: Phys.Lett.B 722 (2013), 295-300

### **Recent results and future development of Borexino**

[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.

DOI: [10.1016/j.nuclphysbps.2013.03.011](#)

Published in: Nucl.Phys.B Proc.Suppl. 235-236 (2013), 55-60

### **Neutrinos from the sun and from radioactive sources**

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

DOI: [10.1016/j.nuclphysbps.2013.04.061](#)

Published in: Nucl.Phys.B Proc.Suppl. 237-238 (2013), 77-81

### **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.

DOI: [10.1016/j.nuclphysbps.2013.04.068](https://doi.org/10.1016/j.nuclphysbps.2013.04.068)

Published in: Nucl.Phys.B Proc.Suppl. 237-238 (2013), 104-106

### **Study of Solar and Geo-Neutrinos with the BOREXINO Detector**

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

DOI: [10.1142/9789814436830\\_0037](https://doi.org/10.1142/9789814436830_0037)

Published in:

### **Study of the Rare Processes with the BOREXINO Detector**

Borexino Collaboration • [Alexander Derbin \(PNPI, CSTD\)](#) et al.

DOI: [10.1142/9789814436830\\_0038](https://doi.org/10.1142/9789814436830_0038)

Published in:

### **Solar neutrino results with Borexino I**

Borexino Collaboration • [Livia Ludhova](#) et al.

DOI: [10.22323/1.174.0392](https://doi.org/10.22323/1.174.0392)

Published in: PoS ICHEP2012 (2013), 392

### **Precision measurement of the beryllium-7 line with the Borexino detector**

Borexino Collaboration • [S.M. Manecki \(Virginia Tech.\)](#) et al.

Published in:

### **Borexino: recent solar and terrestrial neutrino results and description of the SOX project**

Borexino Collaboration • [Gioacchino Ranucci \(INFN, Milan\)](#) et al.

DOI: [10.22323/1.180.0529](https://doi.org/10.22323/1.180.0529)

Published in: PoS EPS-HEP2013 (2013), 529

## **Lifetime measurements of $^{214}\text{Po}$ and $^{212}\text{Po}$ with the CTF liquid scintillator detector at LNGS**

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

e-Print: [1212.1332](#) [nucl-ex]

DOI: [10.1140/epja/i2013-13092-9](#)

Published in: Eur.Phys.J.A 49 (2013), 92

## **Borexino calibrations: Hardware, Methods, and Results**

Borexino Collaboration • [H. Back](#) ([Virginia Tech.](#)) et al.

e-Print: [1207.4816](#) [physics.ins-det]

DOI: [10.1088/1748-0221/7/10/P10018](#)

Published in: JINST 7 (2012), P10018

## **Measurement of CNGS muon neutrino speed with Borexino**

Borexino Collaboration • P. Alvarez Sanchez ([CERN](#)) et al.

e-Print: [1207.6860](#) [hep-ex]

DOI: [10.1016/j.physletb.2012.08.052](#)

Published in: Phys.Lett.B 716 (2012), 401-405

## **Solar neutrino physics with Borexino I**

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

e-Print: [1205.2989](#) [hep-ex]

Published in:

## **Light Yield in DarkSide-10: A Prototype Two-Phase Argon TPC for Dark Matter Searches**

DarkSide Collaboration • [T. Alexander](#) ([Fermilab](#)) et al.

e-Print: [1204.6218](#) [astro-ph.IM]

DOI: [10.1016/j.astropartphys.2013.08.004](#)

Published in: Astropart.Phys. 49 (2013), 44-51

## **Search for Solar Axions Produced in $\text{p}(\text{d},\text{n})\text{He}^3$ Reaction with Borexino Detector**



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

e-Print: [1203.6258](#) [hep-ex]

DOI: [10.1103/PhysRevD.85.092003](#)

Published in: Phys.Rev.D 85 (2012), 092003

### **[Cosmic-muon flux and annual modulation in Borexino at 3800 m water-equivalent depth](#)**

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

e-Print: [1202.6403](#) [hep-ex]

DOI: [10.1088/1475-7516/2012/05/015](#)

Published in: JCAP 05 (2012), 015

### **[First evidence of pep solar neutrinos by direct detection in Borexino](#)**

Borexino Collaboration • [C. Galbiati](#) et al.

DOI: [10.1088/1742-6596/375/1/042030](#)

Published in: J.Phys.Conf.Ser. 375 (2012), 042030,

### **[Artificial neutrino source experiment in Borexino](#)**

Borexino Collaboration • [Aldo Ianni](#) ([Gran Sasso](#)) et al.

DOI: [10.1088/1742-6596/375/1/042066](#)

Published in: J.Phys.Conf.Ser. 375 (2012), 042066,

### **[High precision Be-7 solar neutrinos measurement and day night effect obtained with Borexino](#)**

[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.

DOI: [10.1016/j.nima.2012.01.006](#)

Published in: Nucl.Instrum.Meth.A 692 (2012), 258-261,

### **[Recent results on solar neutrinos](#)**

Borexino Collaboration • [Gioacchino Ranucci](#) ([INFN, Milan](#)) et al.

DOI: [10.22323/1.166.0052](#)

Published in: PoS HQL2012 (2012), 052,

### **First evidence of pep solar neutrinos by direct detection in Borexino**

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

e-Print: [1110.3230](#) [hep-ex]

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

Published in: Phys.Rev.Lett. 108 (2012), 051302

### **Precision measurement of the $^7\text{Be}$ solar neutrino interaction rate in Borexino**

[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

### **Absence of day--night asymmetry of 862 keV $^7\text{Be}$ solar neutrino rate in Borexino and MSW oscillation parameters**

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

e-Print: [1104.2150](#) [hep-ex]

DOI: [10.1016/j.physletb.2011.11.025](#)

Published in: Phys.Lett.B 707 (2012), 22-26

### **Muon and Cosmogenic Neutron Detection in Borexino**

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

e-Print: [1101.3101](#) [physics.ins-det]

DOI: [10.1088/1748-0221/6/05/P05005](#)

Published in: JINST 6 (2011), P05005

### **Results and physics implications of the precision measurement of the $\text{Be-7}$ solar neutrino flux performed with the Borexino detector**

Borexino Collaboration • [Gioacchino Ranucci](#) ([INFN, Milan](#)) et al.

DOI: [10.22323/1.134.0082](#)

Published in: PoS EPS-HEP2011 (2011), 082,

**[Study of solar and other unknown anti-neutrino fluxes with Borexino at LNGS](#)**

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

e-Print: [1010.0029](#)[hep-ex]

DOI: [10.1016/j.physletb.2010.12.030](#)

Published in: Phys.Lett.B 696 (2011), 191-196

**[Measurement of the Differential Cross-Section for the Production of an Isolated Photon with Associated Jet in  \$p\bar{p}\$  Collisions at  \$\sqrt{s} = 1.96\$ -TeV](#)**

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

e-Print: [0804.1107](#)[hep-ex]

DOI: [10.1016/j.physletb.2008.06.076](#)

Published in: Phys.Lett.B 666 (2008), 435-445