

# The most cited LPD works

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3	V.I.Tretyak and Yu.G.Zdesenko. <i>Tables of double beta decay data.</i> <b>At. Data Nucl. Data Tables 61(1995)43-90.</b>	202
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12	O.A.Ponkratenko et al. <i>Event gen. DECAF4 for simulation of double-beta proc. and decays of radioactive nuclei.</i> <b>Phys. Atom. Nuclei 63(2000)1282-1287.</b>	95
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18	F.A.Danevich et al. <i>Quest for double beta decay of <math>^{160}\text{Gd}</math> and Ce isotopes.</i> <b>Nucl. Phys. A 694(2001)375-391.</b>	76
19	R.Arnold et al. <i>Double-<math>\beta</math> decay of <math>^{116}\text{Cd}</math>.</i> <b>Z. Physik C 72(1996)239-247.</b>	73
20	Yu.G.Zdesenko et al. <i>High sensitivity GEM experiment on <math>2\beta</math> decay of <math>^{76}\text{Ge}</math>.</i> <b>J. Phys. G: Nucl. Part. Phys. 27(2001)2129-2146.</b>	71
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22	Ю.Г.Здесенко. <i>Двойной <math>\beta</math>-распад и сохранение лептонного заряда.</i> <b>ЭЧАЯ 11(1980)1369-1420.</b>	62
23	D.Blum et al. <i>Search for <math>\gamma</math> rays following <math>\beta\beta</math> decay of <math>^{100}\text{Mo}</math> to excited states of <math>^{100}\text{Ru}</math>.</i> <b>Phys. Lett. B 275(1992)506-511.</b>	54
24	G.Alimonti et al., <i>The Borexino detector at the Laboratori Nazionali del Gran Sasso.</i> <b>Nucl. Instrum. Meth. A 600(2009)568-593.</b>	50
25	F.A.Danevich et al. <i><math>\alpha</math> activity of natural tungsten isotopes.</i> <b>Phys. Rev. C 67(2003)014310, 8 p.</b>	50
26	F.A.Danevich et al., <i><math>\text{ZnWO}_4</math> crystals as detectors for <math>2\beta</math> decay and dark matter experiments.</i> <b>Nucl. Instrum. Meth. Phys. Res. A 544(2005)553-564</b>	49
27	P.Belli et al. <i>New limits on <math>2\beta^+</math> decay processes in <math>^{106}\text{Cd}</math>.</i> <b>Astropart. Phys. 10(1999)115-120.</b>	49
28	Yu.G.Zdesenko et al., <i>Scintillation properties and radioactive contamination of <math>\text{CaWO}_4</math> crystal scintillators.</i> <b>Nucl. Instrum. Meth. Phys. Res. A 538(2005)657-667.</b>	45
29	А.Ш.Георгадзе и др. <i>Результаты исследований <math>2\beta</math>-распада <math>^{116}\text{Cd}</math> с помощью сцинтилляторов <math>^{116}\text{CdWO}_4</math>.</i> <b>Яд. Физика 58(1995)1170-1179.</b>	45

30	H.Ejiri et al. <i>Double beta decays of <math>^{116}\text{Cd}</math></i> . <b>J. Phys. Soc. Japan</b> <b>64</b> (1995)339-343.	44
31	NEMO Collaboration. <i>NEMO experiment on double beta decay of <math>^{100}\text{Mo}</math>. Present status and future</i> . <b>Nucl. Phys. B (Proc. Suppl.)</b> <b>35</b> (1994)369-371.	43
32	A.N.Annenkov et al., <i>Development of <math>\text{CaMoO}_4</math> crystal scintillators for a double beta decay experiment with <math>^{100}\text{Mo}</math></i> . <b>Nucl. Instrum. Meth. Phys. Res. A</b> <b>584</b> (2008)334-345.	42
33	H.O.Back et al., <i>New exp. limits on violations of the Pauli exclusion principle obtained with the Borexino CTF</i> . <b>Eur. Phys. J. C</b> <b>37</b> (2004)421-431.	42
34	P.Belli et al. <i>New limits on spin-dependent coupled WIMPs and on <math>2\beta</math> processes in <math>^{40}\text{Ca}</math> and <math>^{46}\text{Ca}</math> by using low radioactive <math>\text{CaF}_2(\text{Eu})</math> crystal scintillators</i> . <b>Nucl. Phys. B</b> <b>563</b> (1999)97-106.	42
35	P.Belli et al., <i>Search for <math>\alpha</math> decay of natural Europium</i> . <b>Nucl. Phys. A</b> <b>789</b> (2007)15-29.	41
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37	C.Cattadori et al. <i>Observation of <math>\beta</math> decay of <math>^{115}\text{In}</math> to the first excited level of <math>^{115}\text{Sn}</math></i> . <b>Nucl. Phys. A</b> <b>748</b> (2005)333-347.	40
38	G.Bellini et al., <i>Precision measurement of the <math>^7\text{Be}</math> solar neutrino interaction rate in Borexino</i> . <b>arXiv:1104.1816</b> , 5 p.	37
39	R.Arnold et al., <i>Probing new physics models of neutrinoless double beta decay with SuperNEMO</i> . <b>arXiv:1005.1241</b> , 15 p.	36
40	C.Arpesella et al., <i>New results on solar neutrino fluxes from 192 days of Borexino data</i> . <b>Electronic preprint arXiv:0805.3843 [astro-ph]</b> , 6p.	36
41	S.Moriyama (on behalf of the XMASS Collaboration). <i>XMASS experiment I</i> . <b>Proc. Int. Workshop XENON'01, World Sci., 2002</b> , p. 123-135.	36
42	Yu.G.Zdesenko et al., <i>CARVEL exp. with <math>^{48}\text{CaWO}_4</math> crystal scintillators for the double <math>\beta</math> decay study of <math>^{48}\text{Ca}</math></i> . <b>Astropart. Phys.</b> <b>23</b> (2005)249-263.	35
43	R.Arnold et al. <i>Search for neutrinoless double-beta decay of <math>^{100}\text{Mo}</math> with the NEMO-3 detector</i> . <b>Phys. Rev. D</b> <b>89</b> (2014)111101, 6 p.	34
44	G.Bellini et al. <i>Final results of Borexino Phase I on low energy solar neutrino spectroscopy</i> . <b>Phys. Rev. D</b> <b>89</b> (2014)112007.	33
45	H.Bhang et al. <i>AMoRE exp.: a search for <math>0\nu 2\beta</math> decay of <math>^{100}\text{Mo}</math> isotope with <math>^{40}\text{Ca}^{100}\text{MoO}_4</math> cryog. scint. detector</i> . <b>J. Phys.: Conf. Ser.</b> <b>375</b> (2012)042023, 4 p.	33
46	P.Belli et al. <i>New experimental limit on the electron stability and non-paulian transitions in Iodine atoms</i> . <b>Phys. Lett. B</b> <b>460</b> (1999)236-241.	33
47	T.Fazzini et al., <i>Pulse-shape discrimination with <math>\text{CdWO}_4</math> crystal scintillators</i> . <b>Nucl. Instrum. Meth. Phys. Research A</b> <b>410</b> (1998)213-219.	33
48	А.Ш.Георгадзе и др. <i>Бета-распад <math>^{113}\text{Cd}</math></i> . <b>Яд. Физика</b> <b>59</b> (1996)5-9.	32
49	L.Bardelli et al., <i>Further study of <math>\text{CdWO}_4</math> crystal scintillators as detectors for high sensitivity <math>2\beta</math> experiments: Scintillation properties and pulse-shape discrimination</i> . <b>Nucl. Instrum. Meth. Phys. Res. A</b> <b>569</b> (2006)743-753	28
50	P.Belli et al. <i>Performances of a <math>\text{CeF}_3</math> crystal scintillator and its application to the search for rare processes</i> . <b>Nucl. Instrum. Meth. A</b> <b>498</b> (2003)352-361.	27
51	R.Arnold et al. <i>Testing the Pauli exclusion principle with the NEMO-2 detector</i> . <b>Eur. Phys. J. A</b> <b>6</b> (1999)361-366.	27
52	Ю.Г.Здесенко и др. <i>Поиски безнейтринного двойного <math>\beta</math>-распада <math>^{96}\text{Zr}</math></i> . <b>Известия АН СССР, сер. Физ.</b> <b>45</b> (1981)1856-1860.	27
53	K.Kume et al. <i>Double beta decays studied by Elegant</i> . <b>DBD and Rel. Topics (Trento, 1995) – World Sci., 1996. – P.490-495.</b>	26
54	S.Ph.Burachas et al. <i>Large volume <math>\text{CdWO}_4</math> crystal scintillators</i> . <b>Nucl. Instrum. and Methods in Phys. Research A</b> <b>369</b> (1996)164-168.	26
55	J.W.Beeman et al. <i>A next-generation <math>0\nu 2\beta</math> decay experiment based on <math>\text{ZnMoO}_4</math> scintillating bolometers</i> . <b>Phys. Lett. B</b> <b>710</b> (2012)318-323.	25
56	F.A.Danevich et al. <i>Feasibility study of <math>\text{PbWO}_4</math> and <math>\text{PbMoO}_4</math> crystal scint. for cryogenic rare events experiments</i> . <b>Nucl. Instrum. Meth. A</b> <b>622</b> (2010)608-613.	24
57	Ch.Marquet (for the NEMO coll.). <i>Double beta decay with the NEMO exp.: status of the NEMO 3 detector</i> . <b>Nucl. Phys. B (Proc. Suppl.)</b> <b>87</b> (2000)298-300.	24
58	H.O.Back et al., <i>New limits on nucleon decays into invisible channels with the BOREXINO counting test facility</i> . <b>Phys. Lett. B</b> <b>563</b> (2003)23-34.	24
59	G.Bellini et al. <i>High sensitivity quest for Majorana neutrino mass with the BOREXINO counting test facility</i> . <b>Phys. Lett. B</b> <b>493</b> (2000)216-228.	24
60	G.Bellini et al., <i>Measurement of geo-neutrinos from 1353 days of Borexino</i> . <b>Phys. Lett. B</b> <b>722</b> (2013)295-300.	23

61	L.L.Nagornaya et al. <i>Tungstate and molybdate scintillators to search for dark matter and double beta decay.</i> <b>IEEE Trans. Nucl. Sci.</b> <b>56(2009)2513-2518.</b>	23
62	R.Arnold et al. <i>Performance of a prototype tracking detector for double beta decay measurements.</i> <b>Nucl. Instrum. Meth. A</b> <b>354(1995)338-351.</b>	23
63	G.Bellini et al., <i>Absence of a day-night asymmetry in the <math>^7\text{Be}</math> solar neutrino rate in Borexino.</i> <b>Phys. Lett. B</b> <b>707(2012)22-26.</b>	22
64	V.I.Tretyak. <i>Semi-empirical calculation of quenching factors for ions in scintillators.</i> <b>arXiv:0911.3041, 32 p.</b>	22
65	F.A.Danevich et al., <i>YAG:Nd crystals as possible detector to search for <math>2\beta</math> and <math>\alpha</math> decay of neodymium.</i> <b>Nucl. Instrum. Meth. A</b> <b>541(2005)583-589.</b>	22
66	Ю.Г.Здесенко. <i>Сохранение лептонного заряда в двойном <math>\beta</math>-распаде <math>^{130}\text{Te}</math>.</i> <b>Письма в ЖЭТФ</b> <b>32(1980)62-67.</b>	22
67	S.J.Lee et al. <i>The development of a cryogenic det. with <math>\text{CaMoO}_4</math> crystals for neutrinoless double beta decay search.</i> <b>Astropart. Phys.</b> <b>34(2011)732-737</b>	21
68	P.Belli et al. <i>Final results of an experiment to search for <math>2\beta</math> processes in zinc and tungsten with the help of radiopure <math>\text{ZnWO}_4</math> crystal scintillators.</i> <b>J. Phys. G</b> <b>38(2011)115107, 15 p.</b>	21
69	G.Bellini et al. <i>Study of solar and other unknown anti-neutrino fluxes with Borexino at LNGS.</i> <b>Phys. Lett. B</b> <b>696(2011)191-196.</b>	21
70	P.Belli et al., <i>Search for double beta decay of zinc and tungsten with low-background <math>\text{ZnWO}_4</math> crystal scintillators.</i> <b>Nucl. Phys. A</b> <b>826(2009)256-273.</b>	21
71	P.Belli et al., <i>Investigation of <math>\beta</math> decay of <math>^{113}\text{Cd}</math>.</i> <b>Phys. Rev. C</b> <b>76(2007)064603, 10 p.</b>	21
72	R.Bernabei et al. <i>Search for the nucleon and di-nucleon decay into invisible channels.</i> <b>Phys. Lett. B</b> <b>493(2000)12-18.</b>	21
73	NEMO coll. (presented by A.S.Barabash), <i>Testing the Pauli exclusion principle with the NEMO-2 detector.</i> <b>Nucl. Phys. B (Proc. Suppl.)</b> <b>87(2000)510-511.</b>	21
74	F.A.Danevich et al. <i>Investigation of <math>\beta^+\beta^+</math> and <math>\beta^+/\text{EC}</math> decay of <math>^{106}\text{Cd}</math>.</i> <b>Z. Physik A</b> <b>355(1996)433-437.</b>	21
75	A.S.Barabash and NEMO Collaboration. <i>NEMO Collaboration: Latest results and perspectives for the future.</i> <b>Neutrino'96 Proc. (Helsinki, 1996) – World Sci., 1997, P.374-380.</b>	21
76	R.Arnold et al. <i>Observation of two neutrino double beta decay of <math>^{116}\text{Cd}</math> with the tracking detector NEMO-2.</i> <b>Письма в ЖЭТФ</b> <b>61(1995)168-171.</b>	21
77	O.A.Ponkratenko et al. <i>Event gen. DECAY4 for simulation of double-beta proc. and decays of radioactive nuclei.</i> <b>Electronic preprint arXiv:0104018 [nucl-ex], 8 p.</b>	20
78	F.A.Danevich et al. <i>Limits on Majoron modes of <math>^{116}\text{Cd}</math> neutrinoless <math>2\beta</math> decay.</i> <b>Nucl. Phys. A</b> <b>643(1998)317-328.</b>	20
79	D.Dassie et al. <i>NEMO 3 Proposal.</i> <b>Preprint LAL 94-29 (1994).</b>	20
80	F.A.Danevich et al. <i>New limits of half-lives for <math>2\beta</math> processes in Cd and W isotopes.</i> <b>WEIN'92: - World Scientific, 1993. – P.575-581.</b>	20
81	Yu.Zdesenko. <i>Double beta decay experiments at Kiev.</i> <b>J. Phys. G: Nucl. Part. Phys.</b> <b>17(1991)s243-s249.</b>	20
82	G. Bellini et al. <i>SOX: Short distance neutrino Oscillations with BoreXino.</i> <b>JHEP</b> <b>08(2013)038.</b>	19
83	V.I.Tretyak and Yu.G.Zdesenko <i>Exp. limits on the proton life-time from the neutrino experiments with heavy water.</i> <b>Phys. Lett. B</b> <b>505(2001)59-63.</b>	19
84	P.Belli et al. <i>Quest for electron decay <math>e^- \rightarrow \nu_e \gamma</math> with a liquid xenon scintillator.</i> <b>Phys. Rev. D</b> <b>61(2000)117301, 4 p.</b>	19
85	P.Belli et al., <i>New limits on the nuclear levels excitation of <math>^{127}\text{I}</math> and <math>^{23}\text{Na}</math> during charge nonconservation..</i> <b>Phys. Rev. C</b> <b>60(1999)065501, 7 p.</b>	19
86	R.Arnold et al. <i>Result of the search for neutrinoless double-<math>\beta</math> decay in <math>^{100}\text{Mo}</math> with the NEMO-3 experiment.</i> <b>Phys. Rev. D</b> <b>92(2015)072011, 23 p.</b>	18
87	O.P.Barinova et al. <i>First test of <math>\text{Li}_2\text{MoO}_4</math> crystal as a cryogenic scintillating bolometer.</i> <b>Nucl. Instrum. Meth. A</b> <b>613(2010)54-57.</b>	18
88	P.Belli et al., <i>Search for <math>2\beta</math> processes in <math>^{64}\text{Zn}</math> with the help of <math>\text{ZnWO}_4</math> crystal scintillator.</i> <b>Phys. Lett. B</b> <b>658(2008)193-197.</b>	18
89	X.Sarazin (for the NEMO Coll.) <i>Double -<math>\beta</math> decays with the NEMO experiment: final results of NEMO-2 ...</i> <b>Nucl. Phys. B (Proc. Suppl.)</b> <b>70(1999)239-241.</b>	18
90	NEMO Coll. (pres. By A.S.Barabash). <i>Invest. Of double beta decay of <math>^{82}\text{Se}</math> and <math>^{96}\text{Zr}</math> with tracking det. NEMO-2.</i> <b>Nucl. Phys. A</b> <b>629(1998)517c-522c.</b>	18
91	I.Kisel et al. <i>Cellular automaton and elastic net for event reconstruction in the NEMO-2 experiment.</i> <b>Nucl. Instrum. and Methods in Phys. Res. A</b> <b>387(1997)433-442.</b>	18

92	K.Kume et al. <i>Double beta decays of <math>^{116}\text{Cd}</math>.</i> <b>Nucl. Phys. A 577(1994)405c-410c.</b>	18
93	A.Alessandrello et al., <i>Bolometric measurement of the beta spectrum of <math>^{113}\text{Cd}</math>.</i> <b>Nucl. Phys. B (Proc. Suppl.) 35(1994)394-396.</b>	18
94	Ф.А.Даневич и др. <i>Поиск 2<math>\beta</math>-распада <math>^{116}\text{Cd}</math> с помощью сцинтиллятора <math>^{116}\text{CdWO}_4</math>.</i> <b>Письма в ЖЭТФ 49(1989)417-420.</b>	18
95	P.Agnes et al., <i>First results from the DarkSide-50 dark matter experiment at Laboratori Nazionali del Gran Sasso,</i> <b>Phys. Lett. B 743(2015)456-466.</b>	17
96	L.Gironi et al., <i>Performance of <math>\text{ZnMoO}_4</math> crystal as cryog. scint. bolometer to search for 2<math>\beta</math> decay of molybdenum.</i> <b>J. of Instrumentation 5(2010)P11007, 12 p.</b>	17
97	R.Bernabei et al. <i>Performances and potentialities of a <math>\text{LaCl}_3:\text{Ce}</math> scintillator.</i> <b>Nucl. Instrum. Meth. A 555(2005)270-281.</b>	17
98	V.V.Kobychev et al., <i>Constraints on the photon charge from observations of extragalactic sources.</i> <b>Astronomy Lett. 31(2005)147-151.</b>	17
99	P.Belli et al. <i>Charge non-conservation restrictions from the nuclear levels excitation of <math>^{129}\text{Xe}</math> induced by the electron's decay on the atomic shell.</i> <b>Phys. Lett. B 465(1999)315-322.</b>	17
100	Ю.Г.Здесенко и др. <i>Изучение двойного <math>\beta</math>-распада <math>^{130}\text{Te}</math>.</i> <b>Ядерная физика 32(1980)607-616.</b>	17
101	R.Arnold et al., <i>Search for neutrinoless double-beta decay of <math>^{100}\text{Mo}</math> with the NEMO-3 detector.</i> <b>Electronic preprint arXiv:1311.5695 [hep-ex], 5 p.</b>	16
102	Yu.G.Zdesenko, V.I.Tretyak, <i>To what extent does the latest SNO result guarantee the proton stability?</i> <b>Phys. Lett. B 553(2003)135-140.</b>	16
103	Yu.G.Zdesenko et al. <i>High sensitivity GEM experiment on 2<math>\beta</math> decay of <math>^{76}\text{Ge}</math>.</i> <b>Electronic preprint nucl-ex/0106021. – 20 p.</b>	16
104	F.Piquemal (for the NEMO collaboration). <i>Results from the NEMO experiment.</i> <b>Nucl. Phys. B (Proc. Suppl.) 77(1999)352-356.</b>	16
105	С.Ф.Бурачас и др. <i>О возможности поиска 2<math>\beta</math>-распада <math>^{160}\text{Gd}</math> с помощью сцинтилляторов GSO.</i> <b>Яд. Физика 58(1995)195-199.</b>	16
106	Yu.G.Zdesenko et al. <i>The study of 2<math>\beta</math>-decay of <math>^{100}\text{Mo}</math>.</i> <b>Proc. Int. Conf. Neutrino'82: Hungary, 1982. – Vol.1. – P.209-215.</b>	16
107	P.Agnes et al. <i>Results from the first use of low radioactivity argon in a dark matter search.</i> <b>Phys. Rev. D 93(2016)081101, 7 p.</b>	15
108	P.Belli et al., <i>Search for double-<math>\beta</math> decays of <math>^{96}\text{Ru}</math> and <math>^{104}\text{Ru}</math> by ultra-low background HPGe <math>\gamma</math> spectrometry.</i> <b>Eur. Phys. J. A 42(2009)171-177.</b>	15
109	H.Kraus et al., <i><math>\text{ZnWO}_4</math> scintillators for cryogenic dark matter experiments.</i> <b>Nucl. Instrum. Meth. A 600(2009)594-598.</b>	15
110	F.A.Danevich et al. <i>Application of <math>\text{PbWO}_4</math> crystal scintillators in experiment to search for 2<math>\beta</math> decay of <math>^{116}\text{Cd}</math>.</i> <b>Nucl. Instrum. Meth. A 556(2006)259-265.</b>	15
111	F.A.Danevich et al., <i>Two-neutrino 2<math>\beta</math> decay of <math>^{116}\text{Cd}</math> and new half-life limits on 2<math>\beta</math> decay of <math>^{180}\text{W}</math> and <math>^{186}\text{W}</math>.</i> <b>Nucl. Phys. A 717(2003)129-145.</b>	15
112	F.A.Danevich et al. <i>New results of <math>^{116}\text{Cd}</math> double <math>\beta</math> decay study with <math>^{116}\text{CdWO}_4</math> scintillators.</i> <b>Electronic preprint nucl-ex/0003001. – 28 p.</b>	15
113	F.Piquemal and NEMO Collaboration. <i>NEMO experiment on double beta decay. Present status.</i> <b>DBD and Rel. Topics (Trento, 1995) – World Sci., 1996. – P.496-501.</b>	15
114	E.Bukhner et al. <i>Rare decays of mercury nuclei</i> <b>Sov. J. Nucl. Phys. 52(1990)193-197.</b>	15
115	F.A.Danevich et al. <i><math>\text{CdWO}_4</math>, <math>\text{ZnSe}</math> and <math>\text{ZnWO}_4</math> scintillators in studies of 2<math>\beta</math>-processes.</i> <b>Instr. Exp. R. 32(1989)1059-1064.</b>	15
116	G.Bellini et al. <i>Cosmogenic backgrounds in Borexino at 3800 m water-equivalent depth.</i> <b>JCAP 08(2013)049, 29 p.</b>	14
117	P.Belli et al. <i>First limits on <math>0\nu</math> res. <math>2\varepsilon</math> capt. in <math>^{136}\text{Ce}</math> and new limits for other 2<math>\beta</math> proc. in <math>^{136}\text{Ce}</math> and <math>^{138}\text{Ce}</math> isotopes.</i> <b>Nucl. Phys. A 824(2009)101-114.</b>	14
118	J.Argyriades et al. <i>Measurement of the background in the NEMO 3 double beta decay experiment.</i> <b>Nucl. Instrum. Meth. A 606(2009)449-465.</b>	14
119	G.Bellini et al. <i>High sensitivity 2<math>\beta</math> decay study of <math>^{116}\text{Cd}</math> and <math>^{100}\text{Mo}</math> with the BOREXINO CTF (CAMEO project).</i> <b>Electronic preprint nucl-ex/0007012, 29 p.</b>	14
120	Yu.G.Zdesenko et al. <i>Lead molybdate as a low-temperature scintillator in the experimental search for the neutrinoless double beta-decay of <math>^{100}\text{Mo}</math>.</i> <b>Instr. Exp. Technique 39(1996)364-368.</b>	14
121	F.A.Danevich et al. <i>Quest for neutrinoless double beta decay of <math>^{160}\text{Gd}</math>.</i> <b>Nucl. Phys. B (Proc. Suppl.) 48(1996)235-237.</b>	14
122	G.Bellini et al. <i>Final results of Borexino Phase-I on low energy solar neutrino spectroscopy.</i> <b>Electronic preprint arXiv:1308.0443 [hep-ex], 64 p.</b>	13

123	P.Belli et al. <i>Radioactive contamination of SrI<sub>2</sub>(Eu) crystal scintillator.</i> <b>Nucl. Instrum. Meth. A 670(2012)10-17.</b>	13
124	H.O.Back et al. <i>Study of neutrino electromagnetic properties with the prototype of the Borexino detector.</i> <b>Phys. Lett. B 563(2003)35-47.</b>	13
125	P.Belli et al. <i>New observation of <math>2\beta 2\nu</math> decay of <math>^{100}\text{Mo}</math> to the <math>0^+_{11}</math> level of <math>^{100}\text{Ru}</math> in the ARMONIA experiment.</i> <b>Nucl. Phys. A 846(2010)143-156.</b>	12
126	P.Belli et al. <i>Search for double-<math>\beta</math> decay processes in <math>^{108}\text{Cd}</math> and <math>^{114}\text{Cd}</math> with the help of the low-background <math>\text{CdWO}_4</math> crystal scintillator.</i> <b>Eur. Phys. J. A 36(2008)167-170.</b>	12
127	P.Belli et al. <i><math>^7\text{Li}</math> solar axions: Preliminary results and feasibility studies.</i> <b>Nucl. Phys. A 806(2008)388-397..</b>	12
128	Yu.G.Zdesenko. <i>CAMEO/GEM program for future <math>2\beta</math> decay and dark matter experiments.</i> <b>Nucl. Phys. B (Proc. Suppl.) 110(2002)385-388.</b>	12
129	C.J.M.Longuemare (for the NEMO collaboration). <i>The double <math>\beta</math> decay experiment NEMO-3.</i> <b>Part. Nucl. Lett. (Письма в ЭЧАЯ) 3(2001)62-68.</b>	12
130	G.Bellini et al. <i>Search for solar axions produced in the <math>p(d,^3\text{He})A</math> reaction with Borexino detector.</i> <b>Phys. Rev. D 85(2012)092003, 11 p.</b>	11
131	A.M.Dubovik et al., <i>R&amp;D of <math>\text{ZnBO}_4</math> (<math>B = \text{W}; \text{Mo}</math>) crystal scint. for dark matter and double beta decay searching.</i> <b>Acta Phys. Pol. A 117(2010)15-19</b>	11
132	G.Alimonti et al. <i>The liquid handling systems for the Borexino solar neutrino detector.</i> <b>Nucl. Instrum. Meth. A 609(2009)58-78.</b>	11
133	F.A.Danevich et al. <i><math>\text{MgWO}_4</math> – A new crystal scintillator.</i> <b>Nucl. Instrum. Meth. A 608(2009)107-115.</b>	11
134	Yu.G.Zdesenko. <i>CAMEO/GEM program and future of double-<math>\beta</math>-decay research.</i> <b>Ядерная физика 65(2002)2251-2260.</b>	11
135	P.Agnes et al. <i>Results from the first use of low radioactivity argon in a dark matter search.</i> <b>Electronic preprint arXiv:1510.00702 [astro-ph.CO], 7 p.</b>	10
136	A.S.Barabash et al. <i>Enriched <math>\text{Zn}^{100}\text{MoO}_4</math> scint. bol. to search for <math>0\nu 2\beta</math> decay of <math>^{100}\text{Mo}</math> with the LUMINEU exp.</i> <b>Eur. Phys. J. C 74(2014)3133, 7 p.</b>	10
137	A.Barabash (for the SuperNEMO Collaboration). <i>SuperNEMO double beta decay experiment.</i> <b>J. Phys.: Conf. Ser. 375(2012)042012, 4 p.</b>	10
138	P.Belli et al. <i>First search for double <math>\beta</math> decay of dysprosium..</i> <b>Nucl. Phys. A 859(2011)126-139.</b>	10
139	A.S.Barabash et al. <i>Low background detector with enriched <math>^{116}\text{CdWO}_4</math> crystal scintillators to search for double <math>\beta</math> decay of <math>^{116}\text{Cd}</math>.</i> <b>JINST 06(2011)P08011, 24 p.</b>	10
139	O.P.Barinova et al. <i>Intrinsic radiopurity of a <math>\text{Li}_2\text{MoO}_4</math> crystal.</i> <b>Nucl. Instrum. Meth. Phys. Res. A 607(2009)573–575.</b>	10
140	G.Bellini et al. <i>Search for solar axions emitted in the <math>M1</math>-transition of <math>^7\text{Li}^*</math> with Borexino CTF.</i> <b>Eur. Phys. J. C 54(2008)61-72.</b>	10
141	F.A.Danevich et al. <i>Double <math>\beta</math> decay of <math>^{116}\text{Cd}</math>. Final results of the Solotvina experiment and CAMEO project.</i> <b>Nucl. Phys. B (Proc. Suppl.) 138(2005)230-232.</b>	10
142	R.Bernabeiet al. <i>Search for <math>\beta</math> and <math>\beta\beta</math> decays in <math>^{48}\text{Ca}</math>.</i> <b>Nucl. Phys. A 705(2002)29-39.</b>	10
143	A.A.Klimenko et al. <i>Experimental limit on the charge non-conserving <math>\beta</math> decay of <math>^{73}\text{Ge}</math>.</i> <b>Phys. Lett. B 535(1999)77-84.</b>	10
144	F.A.Danevich et al. <i>Status of the INR experiment on <math>2\beta</math> decay of <math>^{116}\text{Cd}</math>.</i> <b>Nucl. Phys. B (Proc. Suppl.) 70(1999)246-248.</b>	10
145	A.Sh.Georgadze et al. <i>Invest. of rare alpha and beta decays by means of cadmium and zinc tungstate crystals.</i> <b>Bull. Rus. Acad. Sci. Phys. 61(1997)1719.</b>	10
146	NEMO Collaboration. <i>Double beta decay experiments with the tracking detector NEMO-2.</i> <b>Nucl. Phys. B (Proc. Suppl.) 48(1996)226-228.</b>	10
147	Yu.G. Zdesenko et al., <i>The study of the background of the detectors in the Solotvina underground laboratory.</i> <b>Proc. 2nd Int. Symp. on Underground Physics, Nauka, Moscow, 1988, p. 291-295.</b>	10
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