

Yuri Davydov

List of Publications by Year in descending order

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30
papers

353
citations

840776

11
h-index

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all docs

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docs citations

30
times ranked

374
citing authors

#	ARTICLE	IF	CITATIONS
1	Technical design report for the \overline{P} ANDA (AntiProton Annihilations at Darmstadt) Straw Tube Tracker. European Physical Journal A, 2013, 49, 1.	2.5	71
2	Measurement of the Michel Parameter in Muon Decay. Physical Review Letters, 2005, 94, 101805.	7.8	38
3	Measurement of the muon decay parameter $\hat{\rho}$. Physical Review D, 2005, 71, .	4.7	37
4	Experimental Constraints on Left-Right Symmetric Models from Muon Decay. Physical Review Letters, 2011, 106, 041804.	7.8	30
5	Experimental access to Transition Distribution Amplitudes with the \overline{P} , ANDA experiment at FAIR. European Physical Journal A, 2015, 51, 1.	2.5	29
6	Precise measurement of parity violation in polarized muon decay. Physical Review D, 2011, 84, .	4.7	24
7	Precision muon decay measurements and improved constraints on the weak interaction. Physical Review D, 2012, 85, .	4.7	23
8	Precision measurement of the muon decay parameters $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$. Physical Review D, 2008, 78, .	4.7	22
9	Measurement of $\hat{\rho}$ in polarized muon decay. Physical Review D, 2006, 74, .	4.7	20
10	Photoelectron yields of scintillation counters with embedded wavelength-shifting fibers read out with silicon photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 890, 84-95.	1.6	13
11	Quality Assurance on Undoped CsI Crystals for the Mu2e Experiment. IEEE Transactions on Nuclear Science, 2018, 65, 752-757.	2.0	11
12	Response of LYSO:Ce scintillation crystals to low energy gamma-rays. Physics of Particles and Nuclei Letters, 2015, 12, 319-324.	0.4	8
13	Publisher's Note: Precise measurement of parity violation in polarized muon decay [Phys. Rev. D84, 032005 (2011)]. Physical Review D, 2012, 85, .	4.7	5
14	Neutron induced radiation damage of plastic scintillators for the upgrade of the Tile Calorimeter of the ATLAS detector.. Journal of Physics: Conference Series, 2017, 878, 012008.	0.4	4
15	Comparative analysis of the performance characteristics of mini-drift tubes with different design. Instruments and Experimental Techniques, 2010, 53, 356-361.	0.5	3
16	Electron beam test of the large area Mu2e calorimeter prototype. Journal of Physics: Conference Series, 2019, 1162, 012027.	0.4	3
17	Search for free decay of negative pions in water and light materials. Physical Review D, 2006, 73, .	4.7	2
18	Self Quenching Streamer Mode in Quenching Gases Initiated by Alpha Particles. IEEE Transactions on Nuclear Science, 2009, 56, 2880-2884.	2.0	2

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19	Coordinate accuracy of mini-drift tubes in detection of an induced signal. Instruments and Experimental Techniques, 2010, 53, 648-652.	0.5	2
20	Suppression of the slow component of BaF ₂ crystal luminescence with a thin multilayer filter. Journal of Physics: Conference Series, 2019, 1162, 012028.	0.4	2
21	̳ nuclear capture ratio on hydrogen and oxygen in water. Physical Review A, 2007, 75, .	2.5	1
22	Increase in the light collection from a scintillation strip with a hole for the WLS fiber using filling materials of various types. Physics of Particles and Nuclei Letters, 2017, 14, 139-143.	0.4	1
23	High fluence neutron radiation of plastic scintillators for the TileCal of the ATLAS detector.. Journal of Physics: Conference Series, 2017, 889, 012009.	0.4	1
24	The influence of neutron radiation damage on the optical properties of plastic scintillator UPS 923A. Journal of Physics: Conference Series, 2017, 889, 012019.	0.4	1
25	Investigation of inclusive production of K ⁰ and K ^{0*} (892) mesons in K + A interactions at 11.2 GeV. Zeitschrift für Physik C-Particles and Fields, 1992, 56, 537-546.	1.5	0
26	Characterization of a 5 \times 5 LYSO Matrix Calorimeter Prototype. IEEE Transactions on Nuclear Science, 2016, 63, 596-604.	2.0	0
27	Quality Assurance on a custom SiPMs array for the Mu2e experiment. , 2017, , .		0
28	Design and status of the Mu2e Calorimeter. , 2017, , .		0
29	A Scintillation Detector with a Barium Fluoride Crystal and a Photomultiplier with an AlGaIn-based Photocathode and Microchannel Plates. , 2019, , .		0
30	Optical Properties of YAG:Ce and GGG:Ce Scintillation Crystals Irradiated with a High Fluence Proton Beam. Physics of Particles and Nuclei Letters, 2020, 17, 878-881.	0.4	0