

# E Blucher

## List of Publications by Year in descending order

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71  
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136950  
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all docs

71  
docs citations

71  
times ranked

11967  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, construction and operation of the ProtoDUNE-SP Liquid Argon TPC. <i>Journal of Instrumentation</i> , 2022, 17, P01005.	1.2	21
2	Low exposure long-baseline neutrino oscillation sensitivity of the DUNE experiment. <i>Physical Review D</i> , 2022, 105, .	4.7	3
3	Scintillation light detection in the 6-m drift-length ProtoDUNE Dual Phase liquid argon TPC. <i>European Physical Journal C</i> , 2022, 82, .	3.9	6
4	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. <i>European Physical Journal C</i> , 2021, 81, 322.	3.9	69
5	Supernova neutrino burst detection with the Deep Underground Neutrino Experiment. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	62
6	Search for signatures of sterile neutrinos with Double Chooz. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	5
7	Searching for solar KDAR with DUNE. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 065.	5.4	5
8	Volume I. Introduction to DUNE. <i>Journal of Instrumentation</i> , 2020, 15, T08008-T08008.	1.2	168
9	First results on ProtoDUNE-SP liquid argon time projection chamber performance from a beam test at the CERN Neutrino Platform. <i>Journal of Instrumentation</i> , 2020, 15, P12004-P12004.	1.2	69
10	Review of Particle Physics. <i>Physical Review D</i> , 2018, 98, .	4.7	5,390
11	Characterization of the spontaneous light emission of the PMTs used in the Double Chooz experiment. <i>Journal of Instrumentation</i> , 2016, 11, P08001-P08001.	1.2	6
12	First measurement of $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle mml:msub \rangle \langle mml:mrow \rangle \langle mml:mi \rangle \hat{1} \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mn \rangle 13 \langle /mml:mn \rangle \langle /mml:mrow \rangle \langle /mml:msub \rangle$ from delayed neutron capture on hydrogen in the Double Chooz experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 66-70.	4.1	84
13	Direct measurement of backgrounds using reactor-off data in Double Chooz. <i>Physical Review D</i> , 2013, 87, .	4.7	21
14	Indication of Reactor $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:msub \rangle \langle mml:mover accent="true" \rangle \langle mml:mi \rangle \hat{1}/2 \langle /mml:mi \rangle \langle mml:mo \rangle \hat{-} \langle /mml:mo \rangle \langle /mml:mover \rangle \langle mml:mi \rangle e \langle /mml:mi \rangle \langle /mml:msub \rangle \langle /mml:math \rangle$ Disappearing in the Double Chooz Experiment. <i>Physical Review Letters</i> , 2012, 108, 131801.	7.8	979
15	First test of Lorentz violation with a reactor-based antineutrino experiment. <i>Physical Review D</i> , 2012, 86, .	4.7	41
16	Reactor $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:msub \rangle \langle mml:mover accent="true" \rangle \langle mml:mi \rangle \hat{1}/2 \langle /mml:mi \rangle \langle mml:mo \rangle \hat{-} \langle /mml:mo \rangle \langle /mml:mover \rangle \langle mml:mi \rangle e \langle /mml:mi \rangle \langle /mml:msub \rangle \langle /mml:math \rangle$ disappears in the Double Chooz experiment. <i>Physical Review D</i> , 2012, 86,	4.7	275
17	Precise measurements of direct $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:mi \rangle C \langle /mml:mi \rangle \langle mml:mi \rangle P \langle /mml:mi \rangle \langle /mml:math \rangle$ violation, $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:mi \rangle C \langle /mml:mi \rangle \langle mml:mi \rangle P \langle /mml:mi \rangle \langle mml:mi \rangle T \langle /mml:mi \rangle \langle /mml:math \rangle$ symmetry, and other parameters in the neutrino system. <i>Physical Review D</i> , 2011, 83,	4.7	70
18	Dispersive analysis of $KL\bar{l}^{1/3}$ and $KLe^3$ scalar and vector form factors using KTeV data. <i>Physical Review D</i> , 2010, 81, .	4.7	12

#	ARTICLE	IF	CITATIONS
19	Final results from the KTeV experiment on the decay $\bar{K} \rightarrow e^+ e^-$ . Physical Review D, 2008, 77, .	4.7	39
20	First Observation of $K\bar{L} \rightarrow e^+ e^-$ . Physical Review Letters, 2007, 99, 081803.	7.8	3
21	Measurement of the decay $\bar{K} \rightarrow e^+ e^-$ . Physical Review D, 2007, 76, .	4.7	35
22	Measurement of the K0 Charge Radius and a CP-Violating Asymmetry and a Search for CP-Violating E1 Direct Photon Emission in the Rare Decay $K\bar{L} \rightarrow e^+ e^-$ . Physical Review Letters, 2006, 96, 101801.	7.8	17
23	Measurements of the branching fraction and decay distributions for $K\bar{L} \rightarrow e^+ e^-$ and $K\bar{L} \rightarrow \mu^+ \mu^-$ . Physical Review D, 2005, 71, .	4.7	14
24	A Determination of the Cabibbo-Kobayashi-Maskawa Parameter $ V_{us} $ Using $K\bar{L}$ Decays. Physical Review Letters, 2004, 93, 181802.	7.8	53
25	Search for the Rare Decay $K\bar{L} \rightarrow 0e^+ e^-$ . Physical Review Letters, 2004, 93, 021805.	7.8	98
26	Measurements of $K\bar{L}$ branching fractions and the CP violation parameter $ V_{us} $ . Physical Review D, 2004, 70, .	4.7	45
27	Measurements of direct CP violation, CPT symmetry, and other parameters in the neutral kaon system. Physical Review D, 2003, 67, .	4.7	147
28	Measurement of the $K\bar{L}$ Charge Asymmetry. Physical Review Letters, 2002, 88, 181601.	7.8	48
29	Search for the $K\bar{L} \rightarrow 0e^+ e^-$ Decay in the KTeV Experiment. Physical Review Letters, 2002, 89, 211801.	7.8	13
30	Radiative Decay Width Measurements of Neutral Kaon Excitations Using the Primakoff Effect. Physical Review Letters, 2002, 89, 072001.	7.8	8
31	Study of the $K\bar{L} \rightarrow e^+ e^-$ Direct Emission Vertex. Physical Review Letters, 2001, 86, 761-764.	7.8	16
32	First Observation of the Decay $K\bar{L} \rightarrow 0e^+ e^-$ . Physical Review Letters, 2001, 87, .	7.8	5
33	Search for the Decay $K\bar{L} \rightarrow 0e^+ e^-$ . Physical Review Letters, 2001, 86, 397-401.	7.8	25
34	Measurements of the Rare Decay $K\bar{L} \rightarrow e^+ e^- e^+ e^-$ . Physical Review Letters, 2001, 86, 5425-5429.	7.8	17
35	Search for the Decay $K\bar{L} \rightarrow 0\bar{1}/4 + \bar{1}/4 e^-$ . Physical Review Letters, 2000, 84, 5279-5282.	7.8	125
36	Search for the decay $K\bar{L} \rightarrow 0\bar{1}/2 \bar{1}/2 \bar{A}^-$ using $0\bar{1}/2 \bar{1}/2 \bar{A}^-$ . Physical Review D, 2000, 61, .	4.7	47

#	ARTICLE		IF	CITATIONS
37	Observation of CP Violation in $K\bar{L} \rightarrow e^+e^-$ Decays. Physical Review Letters, 2000, 84, 408-411.	7.8	70	
38	Evidence for the decay $K\bar{L} \rightarrow \pi^+\pi^-$ . Physical Review D, 2000, 62, .	4.7	7	
39	Search for the Weak Decay of a Lightly Bound H <sub>2</sub> Dibaryon. Physical Review Letters, 2000, 84, 2593-2597.	7.8	26	
40	Observation of Direct CP Violation in $K_S \bar{L} \rightarrow e^+e^-$ Decays. Physical Review Letters, 1999, 83, 22-27.	7.8	323	
41	Measurement of the Branching Ratio of $e^0 \rightarrow e^+e^-$ Using $K\bar{L} \rightarrow e^+e^-$ Decays in Flight. Physical Review Letters, 1999, 83, 922-925.	7.8	13	
42	Measurement of the Decay $K\bar{L} \rightarrow e^+e^-$ . Physical Review Letters, 1999, 83, 917-921.	7.8	35	
43	Measurement of the Branching Fraction of the Decay $K\bar{L} \rightarrow e^+e^-$ . Physical Review Letters, 1998, 80, 4123-4126.	7.8	21	
44	Measurements of mean lifetime and branching fractions of b hadrons decaying to J/ψ. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 396-408.	4.1	32	
45	Measurement of mixing at the Z using a jet-charge method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 284, 177-190.	4.1	27	
46	Production and decay of charmed mesons at the Z resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 266, 218-230.	4.1	43	
47	Measurement of B-mixing at the Z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 258, 236-246.	4.1	30	
48	Measurement of the B-hadron lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 492-504.	4.1	22	
49	Study of $e^+e^-$ transitions from the $\psi(3S)$ and a search for the $b\bar{b}$ . Physical Review D, 1991, 43, 1448-1458.	4.7	32	
50	Search for a neutral Higgs boson in B-meson decay. Physical Review D, 1989, 40, 712-720.	4.7	17	
51	Search for $b\bar{b}$ transitions in exclusive hadronic B-meson decays. Physical Review Letters, 1989, 62, 2436-2439.	7.8	31	
52	Measurement of the muonic branching fractions of the $\psi(1S)$ and $\psi(3S)$ . Physical Review D, 1989, 39, 3528-3531.	4.7	7	
53	B <sub>0</sub> B̄ <sub>0</sub> mixing at the $\psi(4S)$ . Physical Review Letters, 1989, 62, 2233-2236.	7.8	134	
54	Measurement of D <sub>s</sub> decay modes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 226, 192-196.	4.1	19	

#	ARTICLE	IF	CITATIONS
55	First observation of inclusive $\bar{t}$ production in $t\bar{t}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 224, 445-449.	4.1	22
56	Charm production in nonresonante+e $\gamma$ annihilations at $\sqrt{s} = 10.55$ GeV. Physical Review D, 1988, 37, 1719-1743.	4.7	87
57	Investigation of the total charm-pair cross section in nonresonante+e $\gamma$ annihilations at $\sqrt{s} = 10.5$ GeV. Physical Review D, 1988, 38, 2679-2686.	4.7	2
58	Upper limits on charm-changing neutral-current interactions. Physical Review Letters, 1988, 60, 1614-1617.	7.8	17
59	Branching ratios of Bmesons to K+, K $\bar{\nu}$ , and K0/K $\bar{K}^0$ . Physical Review Letters, 1987, 58, 1814-1817.	7.8	22
60	Study of $e^+e^-$ transitions from the $\psi(3S)$ . Physical Review Letters, 1987, 58, 307-310.	7.8	47
61	Evidence for charmed baryons in B-meson decay. Physical Review Letters, 1987, 59, 22-25.	7.8	35
62	Exclusive decays and masses of the Bmesons. Physical Review D, 1987, 36, 1289-1301.	4.7	39
63	$\bar{t}(b\bar{t}'u\bar{l}\bar{l}^{\prime\prime})/\bar{t}'(b\bar{t}'c\bar{l}\bar{l}^{\prime\prime})$ from the end point of the lepton momentum spectrum in semileptonic Bdecay. Physical Review Letters, 1987, 59, 407-410.	7.8	78
64	Measurement of the tau lifetime. Physical Review D, 1987, 36, 690-701.	4.7	24
65	Inclusive B-meson decays into charm. Physical Review D, 1987, 35, 19-26.	4.7	33
66	Limits on B0B $\bar{K}^0$ mixing and &. Physical Review Letters, 1987, 58, 183-186.	7.8	64
67	Improved upper limit on flavor-changing neutral-current decays of the bquark. Physical Review D, 1987, 35, 3533-3536.	4.7	40
68	Study of the decay B $\rightarrow t\bar{t}X$ . Physical Review D, 1986, 34, 3279-3285.	4.7	28
69	Decay D0 $\rightarrow t\bar{t}K\bar{K}^0$ . Physical Review Letters, 1986, 56, 1893-1896.	7.8	38
70	Observation of the decay B $\rightarrow t\bar{t}X$ . Physical Review Letters, 1986, 56, 2781-2784.	7.8	19
71	Decay B $\rightarrow t\bar{t}X$ . Physical Review Letters, 1985, 55, 1248-1251.	7.8	32