

Alessio Sarti

List of Publications by Year in descending order

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Version: 2024-02-01

286
papers

11,073
citations

34076

52
h-index

42364

92
g-index

288
all docs

288
docs citations

288
times ranked

8184
citing authors

#	ARTICLE	IF	CITATIONS
1	Searches for rare B_s^0 and B_0 decays into four muons. Journal of High Energy Physics, 2022, 2022, 1.	1.6	3
2	Search for massive long-lived particles decaying semileptonically at $\sqrt{s}=13, \text{hbox {TeV}}$. European Physical Journal C, 2022, 82, .	1.4	2
3	Search for long-lived particles decaying to $e^\pm \mu^\pm \nu$. European Physical Journal C, 2021, 81, 1.	1.4	9
4	PAPRICA: The Pair Production Imaging Chamber – Proof of Principle. Frontiers in Physics, 2021, 9, .	1.0	0
5	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^\pm$, ext $\{jet\}$ decays. European Physical Journal C, 2021, 81, 1.	1.4	15
6	Search for the rare decay $B_0 \rightarrow J/\psi \pi^0$. Chinese Physics C, 2021, 45, 043001.	1.5	2
7	Measurement of the branching fraction of the $B^0 \rightarrow D^+ \pi^-$ decay. European Physical Journal C, 2021, 81, 1.	1.4	6
8	Performance Evaluation of the TOF-Wall Detector of the FOOT Experiment. IEEE Transactions on Nuclear Science, 2021, 68, 1161-1168.	1.2	3
9	Monitoring Carbon Ion Beams Transverse Position Detecting Charged Secondary Fragments: Results From Patient Treatment Performed at CNAO. Frontiers in Oncology, 2021, 11, 601784.	1.3	9
10	Charge identification of nuclear fragments with the FOOT Time-Of-Flight system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1001, 165206.	0.7	4
11	Detection of Interfractional Morphological Changes in Proton Therapy: A Simulation and In Vivo Study With the INSIDE In-Beam PET. Frontiers in Physics, 2021, 8, .	1.0	16
12	First measurement of the CP-violating phase in $B^0 \rightarrow J/\psi (\pi^0) K_S^0$. Physical Review Letters, 2021, 126, 011801.	1.4	2
13	Development of a novel neutron tracker for the characterisation of secondary neutrons emitted in Particle Therapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162862.	0.7	7
14	Recent Advances in Detector Technologies for Particle Therapy Beam Monitoring and Dosimetry. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 133-146.	2.7	14
15	Inter-fractional monitoring of ^{12}C ions treatments: results from a clinical trial at the CNAO facility. Scientific Reports, 2020, 10, 20735.	1.6	13
16	Measurement of ^{12}C Fragmentation Cross Sections on C, O, and H in the Energy Range of Interest for Particle Therapy Applications. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 269-282.	2.7	5
17	Search for the doubly heavy Ξ_{bc}^0 baryon via decays to $D_0 p K^+$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
18	Measurement of the $\eta_c(1S)$ production cross-section in $p p$ collisions at $\sqrt{s} = 13, \text{TeV}$, ext $\{TeV\}$. European Physical Journal C, 2020, 80, 1.	1.4	17

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19	Search for CP violation in $\chi_{c1} \rightarrow p \bar{K} \pi$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
20	The MONDO Tracker: Characterisation and Study of Secondary Ultrafast Neutrons Production in Carbon Ion Radiotherapy. Frontiers in Physics, 2020, 8, .	1.0	0
21	Measurement of the branching fraction and CP asymmetry in $B^+ \rightarrow J/\psi \rho^+$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
22	Secondary radiation measurements for particle therapy applications: Charged secondaries produced by 16O ion beams in a PMMA target at large angles. Physica Medica, 2019, 64, 45-53.	0.4	4
23	Updated measurement of time-dependent CP-violating observables in $B^0 \rightarrow J/\psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
24	A 16×8 Digital-SiPM Array With Distributed Trigger Generator for Low SNR Particle Tracking. IEEE Solid-State Circuits Letters, 2019, 2, 75-78.	1.3	5
25	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_\mu$. European Physical Journal C, 2019, 79, 1.	1.4	11
26	Review and performance of the Dose Profiler, a particle therapy treatments online monitor. Physica Medica, 2019, 65, 84-93.	0.4	19
27	Long-term operation of the multi-wire-proportional-chambers of the LHCb muon system. Journal of Instrumentation, 2019, 14, P11031-P11031.	0.5	5
28	A 16×8 Digital-SiPM Array With Distributed Trigger Generator for Low SNR Particle Tracking. , 2019, , .		0
29	Development and characterization of a π^+ E-TOF detector prototype for the FOOT experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 916, 116-124.	0.7	8
30	The MONDO Detector Prototype Development and Test: Steps Toward an SPAD-CMOS-Based Integrated Readout (SBAM Sensor). IEEE Transactions on Nuclear Science, 2018, 65, 744-751.	1.2	5
31	Secondary radiation measurements for particle therapy applications: charged particles produced by ^4He and ^{12}C ion beams in a PMMA target at large angle. Physics in Medicine and Biology, 2018, 63, 055018.	1.6	16
32	Search for the lepton-flavour violating decays $B^0 \rightarrow s \tau^+ \tau^-$. Journal of High Energy Physics, 2018, 2018, 1.		21
33	MONDO: A tracker for the characterization of secondary fast and ultrafast neutrons emitted in particle therapy. Journal of Physics: Conference Series, 2018, 956, 012013.	0.3	0
34	Characterisation of the MONDO detector response to neutrons by means of a FLUKA Monte Carlo simulation. Radiation Measurements, 2018, 119, 144-149.	0.7	4
35	Study of the Performance of an Optically Readout Triple-GEM. IEEE Transactions on Nuclear Science, 2018, 65, 604-608.	1.2	10
36	Scintillating Fiber Devices for Particle Therapy Applications. IEEE Transactions on Nuclear Science, 2018, 65, 2054-2060.	1.2	1

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37	The MONDO project: A secondary neutron tracker detector for particle therapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 556-559.	0.7	10
38	Design of a tracking device for on-line dose monitoring in hadrontherapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 679-683.	0.7	8
39	Design of a new tracking device for on-line beam range monitor in carbon therapy. Physica Medica, 2017, 34, 18-27.	0.4	25
40	Secondary radiation measurements for particle therapy applications: nuclear fragmentation produced by ${}^4\text{He}$ ion beams in a PMMA target. Physics in Medicine and Biology, 2017, 62, 1291-1309.	1.6	23
41	Secondary radiation measurements for particle therapy applications: prompt photons produced by ${}^4\text{He}$, ${}^{12}\text{C}$ and ${}^{16}\text{O}$ ion beams in a PMMA target. Physics in Medicine and Biology, 2017, 62, 1438-1455.	1.6	30
42	Benchmarking Geant4 hadronic models for prompt π^0 monitoring in carbon ion therapy. Medical Physics, 2017, 44, 4276-4286.	1.6	10
43	MONDO: a neutron tracker for particle therapy secondary emission characterisation. Physics in Medicine and Biology, 2017, 62, 3299-3312.	1.6	25
44	Study of charmonium production in b -hadron decays and first evidence for the decay $B^0 \rightarrow \phi \phi \phi$. European Physical Journal C, 2017, 77, 609.	1.4	17
45	Improved limit on the branching fraction of the rare decay $K^0_S \rightarrow \mu^+ \mu^-$. European Physical Journal C, 2017, 77, 678.	1.4	17
46	Measurements of ${}^{12}\text{C}$ ions beam fragmentation at large angle with an Emulsion Cloud Chamber. Journal of Instrumentation, 2017, 12, P08013-P08013.	0.5	5
47	Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
48	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
49	Study of b - \bar{b} correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
50	Measurement of the $Y(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
51	Addendum: Measurement of charged particle yields from PMMA irradiated by a ${}^{12}\text{C}$ beam. Physics in Medicine and Biology, 2017, 62, 8483-8494.	1.6	5
52	The Foot (Fragmentation Of Target) Experiment. , 2017, , .		2
53	Measurement of secondary particle production induced by particle therapy ion beams impinging on a PMMA target. EPJ Web of Conferences, 2016, 117, 05007.	0.1	3
54	Monitoring of Hadrontherapy Treatments by Means of Charged Particle Detection. Frontiers in Oncology, 2016, 6, 177.	1.3	23

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55	Measurement of the front-end dead-time of the LHCb muon detector and evaluation of its contribution to the muon detection inefficiency. <i>Journal of Instrumentation</i> , 2016, 11, P04010-P04010.	0.5	2
56	A precise measurement of the $B^0 \rightarrow B^0$ meson oscillation frequency. <i>European Physical Journal C</i> , 2016, 76, 412.	1.4	21
57	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016, 76, 664.	1.4	26
58	Observation of $\Lambda_b^0 \rightarrow \Lambda^0(2S) p K^+$ and $\Lambda_b^0 \rightarrow \Lambda^0 \pi^+ p K^+$ decays and a measurement of the Λ_b^0 baryon mass. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	17
59	Production of associated Υ and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	37
60	Measurement of fragmentation cross sections of C^{12} ions on a thin gold target with the FIRST apparatus. <i>Physical Review C</i> , 2016, 93, .	1.1	20
61	An Intraoperative ^{201}Tl Detecting Probe for Radio-Guided Surgery in Tumour Resection. <i>IEEE Transactions on Nuclear Science</i> , 2016, 63, 2533-2539.	1.2	9
62	MONDO: A neutron tracker for particle therapy secondary emission fluxes measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 824, 210-211.	0.7	6
63	Measurement of charged particle yields from therapeutic beams in view of the design of an innovative hadrontherapy dose monitor. <i>Journal of Instrumentation</i> , 2015, 10, C02032-C02032.	0.5	5
64	Forward production of Υ mesons in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	30
65	Intraoperative ^{201}Tl detecting probe for radio-guided surgery in tumour resection. , 2015, , .		2
66	Polycrystalline para-terphenyl scintillator adopted in a ^{201}Tl detecting probe for radio-guided surgery. <i>Journal of Physics: Conference Series</i> , 2015, 620, 012009.	0.3	5
67	Time Evolution of DOTATOC Uptake in Neuroendocrine Tumors in View of a Possible Application of Radioguided Surgery with ^{201}Tl Decay. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1501-1506.	2.8	26
68	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , 2015, 75, 595.	1.4	11
69	Prompt- ^{13}C production of 220 MeV/u ^{12}C ions interacting with a PMMA target. <i>Journal of Instrumentation</i> , 2015, 10, P10034-P10034.	0.5	14
70	Search for long-lived particles decaying to jet pairs. <i>European Physical Journal C</i> , 2015, 75, 152.	1.4	44
71	Measurement of the $\sigma_{c(1S)}(p-p)$ production cross-section in proton-proton collisions via		

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73	Toward Radioguided Surgery with $\hat{\nu}^2$ Decays: Uptake of a Somatostatin Analogue, DOTATOC, in Meningioma and High-Grade Glioma. <i>Journal of Nuclear Medicine</i> , 2015, 56, 3-8.	2.8	92
74	The Physics of the B Factories. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	292
75	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	21
76	Search for CP violation in $D^{\pm} \rightarrow K^{\pm} K^0 \pi^0$ and $D^{\pm} \rightarrow K^{\pm} K^0 \pi^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	13
77	First observations of the rare decays $B \rightarrow \pi^+ K^+ \pi^- \pi^+$ and $B \rightarrow \pi^+ K^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	9
78	Measurement of the B^0 mass and of the relative rate of $B^0 \rightarrow D^+ D^-$ and $B^0 \rightarrow D^+ D^0$ production. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	20
79	Measurement of the CKM angle $\hat{\beta}$ using $B^{\pm} \rightarrow DK^{\pm}$ with $D \rightarrow K^+ K^- \pi^0$, $K^+ K^- \pi^+$, $K^+ K^- \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	22
80	Measurement of CP asymmetry in $B^0 \rightarrow D^+ D^- K^{\pm}$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	14
81	Extended calibration range for prompt photon emission in ion beam irradiation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 745, 114-118.	0.7	7
82	TDOA-based acoustic source localization in the space-time range reference frame. <i>Multidimensional Systems and Signal Processing</i> , 2014, 25, 337-359.	1.7	25
83	Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25
84	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	74
85	Measurement of charged particle yields from PMMA irradiated by a 220 MeV/u ^{12}C beam. <i>Physics in Medicine and Biology</i> , 2014, 59, 1857-1872.	1.6	60
86	Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	34
87	Searches for Λ_b^0 and Ξ_b^0 decays to $K_{\text{charm}}^0 \pi^+$ and $K_{\text{charm}}^0 K^0$ final states with first observation of the $\Lambda_b^0 \rightarrow K_{\text{charm}}^0 \pi^+$ decay. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25
88	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \pi^+ \pi^- K^*(892)^0$. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	13
89	Angular analysis of charged and neutral $B \rightarrow K^{\pm} K^{\pm} \pi^{\mp}$ decays. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	26
90	Evidence for the decay $B_{\text{charm}}^0 \rightarrow \pi^+ \pi^- \pi^0$. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	16

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91	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* (\pi^0) \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	206
92	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
93	Study of Υ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
94	Observation of the $b \rightarrow c \ell \bar{\nu}_\ell$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
95	Observation of the $B_s \rightarrow \mu^+ \mu^- K^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
96	Study of the kinematic dependences of $b \rightarrow c$ production in pp collisions and a measurement of the $b \rightarrow c \ell \bar{\nu}_\ell$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
97	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
98	Measurement of $\psi(2S)$ $\Upsilon(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
99	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888.	1.4	30
100	Performance of the reconstruction algorithms of the FIRST experiment pixel sensors vertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 34-40.	0.7	13
101	Properties of para-terphenyl as a Detector for α and β radiation. IEEE Transactions on Nuclear Science, 2014, 61, 1483-1487.	1.2	35
102	An innovative radio-guided surgery technique for complete resection of tumors. Journal of Physics: Conference Series, 2014, 566, 012020.	0.3	0
103	A novel radioguided surgery technique exploiting ^{125}I decays. Scientific Reports, 2014, 4, 4401.	1.6	48
104	Differential branching fraction and angular analysis of the decay $B_s \rightarrow \pi^0 \pi^+ \pi^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
105	Search for CP violation in $D \rightarrow \pi^+ \pi^-$ and $D_s \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
106	Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	65
107	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
108	Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7

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109	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.	1.6	89
110	Measurement of CP observables in $B^0 \rightarrow DK^* \rightarrow 0$ with $D \rightarrow K^* K + K^* \bar{K}$. Journal of High Energy Physics, 2013, 2013, 16	1.6	6
111	Measurement of the cross-section for $Z \rightarrow e^+e^-$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
112	Differential branching fraction and angular analysis of the $B \rightarrow K^* K + \frac{1}{4} + \frac{1}{4} \bar{K}^*$ decay. Journal of High Energy Physics, 2013, 2013, 1.	1.6	72
113	Measurement of J/ψ production in pp collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
114	Measurement of the forward energy flow in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2421.	1.4	25
115	Measurements of the branching fractions of $B^+ \rightarrow p \bar{K}^+$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
116	First measurement of time-dependent CP violation in $B_s^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
117	Measurement of the relative rate of prompt \bar{c}^0 , \bar{c}^1 and \bar{c}^2 production at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
118	Study of D J meson decays to $D \rightarrow \bar{K}^*$, $D \rightarrow K^*$ and $D \rightarrow \bar{K}^*$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
119	First observation of the decay $B_c^+ \rightarrow J/\psi \left[\psi(K^+) \right]$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
120	Searches for $B_{(s)}^0 \rightarrow J/\psi p$ and $B \rightarrow K^* J/\psi p$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
121	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \left[\frac{1}{4} + \frac{1}{4} \bar{K}^* \right]$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
122	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
123	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	1.4	137
124	Search for the doubly charmed baryon Ξ_{cc}^+ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
125	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
126	Observation of the decay $B_c^+ \rightarrow K^* J/\psi K + K^* \bar{K}^* \bar{K}^*$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	25

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127	First observation of the decay $B_s^0 \rightarrow \phi \overline{K}^{*0}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	9
128	Search for the rare decay $K_{\mathcal{S}}^0 \rightarrow \mu^+ \mu^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
129	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7, \text{TeV}$ using tau final states. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
130	Performance of the LHCb muon system. Journal of Instrumentation, 2013, 8, P02022-P02022.	0.5	145
131	Performance of the Muon Identification at LHCb. Journal of Instrumentation, 2013, 8, P10020-P10020.	0.5	69
132	A new method based on noise counting to monitor the frontend electronics of the LHCb muon detector. Journal of Instrumentation, 2013, 8, P06001-P06001.	0.5	1
133	FIRST experiment: Fragmentation of Ions Relevant for Space and Therapy. Journal of Physics: Conference Series, 2013, 420, 012061.	0.3	9
134	Charged particle π^{\pm} flux measurement from PMMA irradiated by 80 MeV/u carbon ion beam. Physics in Medicine and Biology, 2012, 57, 5667-5678.	1.6	37
135	Precise measurement of prompt photon emission from 80 MeV/u carbon ion beam irradiation. Journal of Instrumentation, 2012, 7, P03001-P03001.	0.5	26
136	Measurement of the $B_{\mathcal{A}\pm}$ production cross-section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	22
137	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	103
138	Measurement of the isospin asymmetry in $B^0 \rightarrow \pi^+ \pi^- K^*(*) \frac{1}{4} + \frac{1}{4} \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165		
139	Measurement of the fraction of $\tilde{\chi}^0(1S)$ originating from $\tilde{t} \rightarrow b(1P)$ decays in pp collisions at $\sqrt{s}=7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
140	First observation of the decay $B \rightarrow \pi^+ \pi^- + \frac{1}{4} + \frac{1}{4} \pi^0$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
141	Carbon fragmentation measurements and validation of the Geant4 nuclear reaction models for hadrontherapy. Physics in Medicine and Biology, 2012, 57, 7651-7671.	1.6	53
142	Measurement of $\tilde{\chi}^0(2S)$ meson production in pp collisions at $\sqrt{s}=7 \text{ TeV}$. European Physical Journal C, 2012, 72, 2100.	1.4	83
143	Measurement of relative branching fractions of B decays to $\tilde{\chi}^0(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118.	1.4	29
144	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9 \text{ TeV}$ and 7 TeV . European Physical Journal C, 2012, 72, 1.	1.4	26

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145	Performance of upstream interaction region detectors for the FIRST experiment at GSI. Journal of Instrumentation, 2012, 7, P02006-P02006.	0.5	14
146	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
147	Inclusive W and Z production in the forward region at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	71
148	The FIRST experiment at GSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 678, 130-138.	0.7	30
149	Study of the time and space distribution of emitters from carbon ion beam irradiation on PMMA. Nuclear Instruments & Methods in Physics Research B, 2012, 283, 1-8.	0.6	15
150	Localization of Acoustic Sources Through the Fitting of Propagation Cones Using Multiple Independent Arrays. IEEE Transactions on Audio Speech and Language Processing, 2012, 20, 1964-1975.	3.8	29
151	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in the forward region. European Physical Journal C, 2012, 72, 1.	1.4	30
152	Observation of $X(3872)$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	153
153	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
154	Measurement of Υ' production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 2025.	1.4	106
155	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s} = 7, \text{TeV})$. , 2012, 2012, 1.		2
156	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2011, 71, 1.	1.4	238
157	Measurement of V_0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV . Journal of High Energy Physics, 2011, 2011, 1.	1.6	18
158	Performance of the LHCb muon system with cosmic rays. Journal of Instrumentation, 2010, 5, P10003-P10003.	0.5	2
159	The LHCb muon detector commissioning and first running scenarios. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 158-160.	0.7	1
160	High radiation tests of the MWPCs for the LHCb Muon System. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 599, 171-175.	0.7	2
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