

# Sara Vallero

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7786390/publications.pdf>

Version: 2024-02-01

78  
papers

3,998  
citations

126708

33  
h-index

114278

63  
g-index

78  
all docs

78  
docs citations

78  
times ranked

6069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prompt D0, D+, and D*+ production in Pb–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	23
2	Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 1.	1.4	6
3	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 7$ and $\sqrt{s} = 13$ , ext { TeV} TeV. European Physical Journal C, 2021, 81, 1.	1.4	23
4	Production of pions, kaons, (anti-)protons and $\phi$ mesons in Xe–Xe collisions at $\sqrt{s_{\mathrm{NN}}} = 5.44$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	12
5	Pseudorapidity distributions of charged particles as a function of mid- and forward rapidity multiplicities in pp collisions at $\sqrt{s} = 5.02$ , 7 and 13 TeV. European Physical Journal C, 2021, 81, 1.	1.4	12
6	Coherent $\rho/\psi$ and $\omega/\psi'$ photoproduction at midrapidity in ultra-peripheral Pb–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	18
7	$K_S^0$ - and (anti-) $\Lambda$ -hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	1
8	Multiplicity dependence of $\pi$ , K, and p production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	38
9	Azimuthal correlations of prompt D mesons with charged particles in pp and Pb–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	11
10	(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	24
11	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and Pb–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
12	Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
13	Production of $\omega$ mesons in pp collisions at $\sqrt{s} = 7$ , ext { TeV} TeV. European Physical Journal C, 2020, 80, 1.	1.4	4
14	HPC4AI. , 2018, , .		24
15	INDIGO-DataCloud: a Platform to Facilitate Seamless Access to E-Infrastructures. Journal of Grid Computing, 2018, 16, 381-408.	2.5	58
16	Charged-particle multiplicities in proton–proton collisions at $\sqrt{s} = 0.9$ s = 0.9 to 8 TeV. European Physical Journal C, 2017, 77, 1.	1.4	62
17	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 7$ s = 7 TeV and Pb–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ s NN = 5.02 TeV. European Physical Journal C, 2017, 77, 245.	1.4	23
18	Plancton: an opportunistic distributed computing project based on Docker containers. Journal of Physics: Conference Series, 2017, 898, 092049.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Addendum to: Centrality dependence of high-pT D-meson suppression in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	6
20	A FairShare Scheduling Service for OpenNebula. Journal of Physics: Conference Series, 2017, 898, 092037.	0.3	0
21	Geographically distributed Batch System as a Service: the INDIGO-DataCloud approach exploiting HTCondor. Journal of Physics: Conference Series, 2017, 898, 052033.	0.3	0
22	Improved Cloud resource allocation: how INDIGO-DataCloud is overcoming the current limitations in Cloud schedulers. Journal of Physics: Conference Series, 2017, 898, 092010.	0.3	5
23	OCCAM: a flexible, multi-purpose and extendable HPC cluster. Journal of Physics: Conference Series, 2017, 898, 082039.	0.3	31
24	Particle identification in ALICE: a Bayesian approach. European Physical Journal Plus, 2016, 131, 1.	1.2	29
25	Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC. European Physical Journal C, 2016, 76, 86.	1.4	30
26	Centrality dependence of $\Upsilon(2S)$ suppression in p-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
27	Differential studies of inclusive $J/\psi$ and $\Upsilon(2S)$ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	33
28	Centrality dependence of charged jet production in p-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. European Physical Journal C, 2016, 76, 271.	1.4	31
29	Measurement of D-meson production versus multiplicity in p-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	10
30	Measurement of D s + production and nuclear modification factor in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
31	Production of $K^*_{S^*}$ (892) and $\phi(1020)$ in p-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. European Physical Journal C, 2016, 76, 245.	1.4	89
32	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 184.	1.4	39
33	Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	88
34	Rapidity and transverse-momentum dependence of the inclusive $J/\psi$ nuclear modification factor in p-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	38
35	Inclusive, prompt and non-prompt $J/\psi$ production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
36	Coherent $\rho^0$ photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30

#	ARTICLE	IF	CITATIONS
37	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	48
38	Forward-backward multiplicity correlations in pp collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	36
39	Centrality dependence of high-pT D meson suppression in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	35
40	Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	50
41	Managing competing elastic Grid and Cloud scientific computing applications using OpenNebula. Journal of Physics: Conference Series, 2015, 664, 022004.	0.3	1
42	Towards Monitoring-as-a-service for Scientific Computing Cloud applications using the Elasticsearch ecosystem. Journal of Physics: Conference Series, 2015, 664, 022040.	0.3	3
43	Monitoring of IaaS and scientific applications on the Cloud using the Elasticsearch ecosystem. Journal of Physics: Conference Series, 2015, 608, 012016.	0.3	24
44	Local storage federation through XRootD architecture for interactive distributed analysis. Journal of Physics: Conference Series, 2015, 664, 042013.	0.3	5
45	Interoperating Cloud-based Virtual Farms. Journal of Physics: Conference Series, 2015, 664, 022033.	0.3	0
46	Improvements of LHC data analysis techniques at Italian WLCG sites. Case-study of the transfer of this technology to other research areas. Journal of Physics: Conference Series, 2015, 664, 032006.	0.3	0
47	Centrality dependence of inclusive $J/\psi$ production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	28
48	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2015, 75, 1.	1.4	125
49	Inclusive photon production at forward rapidities in proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV. European Physical Journal C, 2015, 75, 1.	1.4	12
50	Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	118
51	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	1.4	149
52	Integrating multiple scientific computing needs via a Private Cloud infrastructure. Journal of Physics: Conference Series, 2014, 513, 032100.	0.3	3
53	Event-by-event mean $\langle p_T \rangle$ fluctuations in pp and Pb-Pb collisions at the LHC. European Physical Journal C, 2014, 74, 1.	1.4	61
54	Transverse momentum dependence of inclusive primary charged-particle production in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	58

#	ARTICLE	IF	CITATIONS
55	Suppression of $\Upsilon(2S)$ production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
56	Neutral pion production at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76, \sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	72
57	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	68
58	Measurement of quarkonium production at forward rapidity in $\mathbf{pp}$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2974.	1.4	89
59	Managing a tier-2 computer centre with a private cloud infrastructure. Journal of Physics: Conference Series, 2014, 523, 012012.	0.3	1
60	Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE. European Physical Journal C, 2013, 73, 2456.	1.4	202
61	Mid-rapidity anti-baryon to baryon ratios in pp collisions at $\sqrt{s} = 0.9, 2.76$ and $7$ TeV measured by ALICE. European Physical Journal C, 2013, 73, 1.	1.4	31
62	Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	18
63	Charmonium and $e + e^-$ pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2013, 73, 2617.	1.4	203
64	Underlying Event measurements in pp collisions at $\sqrt{s} = 0.9$ and $7$ TeV with the ALICE experiment at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	31
65	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 2.76, \sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	115
66	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76, \sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	228
67	Measurement of prompt $J/\psi$ and beauty hadron production cross sections at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	54
68	Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at $\sqrt{s} = 0.9, \sqrt{s} = 2.76$ and $7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	32
69	Production of $K^*(892)^0$ and $\bar{\Lambda}(1020)$ in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	111
70	Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s} = 2.76, \sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
71	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	139
72	Strange particle production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	140

#	ARTICLE	IF	CITATIONS
73	Production of pions, kaons and protons in pp collisions at $\sqrt{s} = 900 \text{ GeV}$ with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	209
74	Operation and calibration of the Silicon Drift Detectors of the ALICE experiment during the 2008 cosmic ray data taking period. Journal of Instrumentation, 2010, 5, P04004-P04004.	0.5	3
75	First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s} = 900 \text{ GeV}$ . European Physical Journal C, 2010, 65, 111-125.	1.4	124
76	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s} = 0.9$ and $2.36 \text{ TeV}$ with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	1.4	199
77	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.	1.4	212
78	Underlying Event measurements in pp collisions at ( $\sqrt{s} = 0.9$ ) and $7 \text{ TeV}$ with the ALICE experiment at the LHC. , 0, .		1