

Sergio C Ramos

List of Publications by Year in descending order

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180
papers

8,291
citations

47409

49
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56606

87
g-index

182
all docs

182
docs citations

182
times ranked

4932
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlated pion-proton pair emission off hot and dense QCD matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136421.	1.5	4
2	Proton-number fluctuations in $\sqrt{s_{NN}} = 2.4$ GeV collisions studied with the High-Acceptance DiElectron Spectrometer (HADES). Physical Review C, 2020, 102, .	1.1	51
3	Contribution of exclusive diffractive processes to the measured azimuthal asymmetries in SIDIS. Nuclear Physics B, 2020, 956, 115039.	0.9	3
4	Identical pion intensity interferometry at $\sqrt{s_{NN}} = 2.4$ GeV. European Physical Journal A, 2020, 56, 1.	1.0	10
5	Measurement of the cross section for hard exclusive π^0 muoproduction on the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135454.	1.5	16
6	Directed, Elliptic, and Higher Order Flow Harmonics of Protons, Deuterons, and Tritons in Au+Au collisions at $\sqrt{s_{NN}} = 2.4$ GeV. Physical Review Letters, 2020, 125, 262301.	2.9	43
7	Charged-pion production in Au+Au collisions at $\sqrt{s_{NN}} = 2.4$ GeV. European Physical Journal A, 2020, 56, 1.	1.0	15
8	Probing dense baryon-rich matter with virtual photons. Nature Physics, 2019, 15, 1040-1045.	6.5	86
9	Identical pion intensity interferometry in central Au + Au collisions at 1.23A GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 446-451.	1.5	11
10	Sub-threshold production of K^0 mesons and $\bar{\Lambda}$ hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.4$ GeV. Physical Review Letters, 2019, 123, 262301.	1.5	23
11	Transverse extension of partons in the proton probed in the sea-quark range by measuring the DVCS cross section. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 188-194.	1.5	25
12	Measurement of P-weighted Sivers asymmetries in lepton production of hadrons. Nuclear Physics B, 2019, 940, 34-53.	0.9	13
13	Time-Like Baryon Transitions studies with HADES. EPJ Web of Conferences, 2019, 199, 01008.	0.1	10
14	π^0 production in proton nucleus collisions near threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 735-740.	1.5	9
15	Transverse-momentum-dependent multiplicities of charged hadrons in muon-deuteron deep inelastic scattering. Physical Review D, 2018, 97, .	1.6	29
16	Azimuthal asymmetries of charged hadrons produced in high-energy muon scattering off longitudinally polarised deuterons. European Physical Journal C, 2018, 78, 1.	1.4	6
17	K^0 over K^+ multiplicity ratio for kaons produced in DIS with a large fraction of the virtual-photon energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 390-398.	1.5	10
18	Light isovector resonances in Au+Au collisions at $\sqrt{s_{NN}} = 2.4$ GeV. Physical Review D, 2018, 98, .	1.5	43

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37	Longitudinal double spin asymmetries in single hadron quasi-real photoproduction at high p T. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 573-579.	1.5	5
38	Interplay among transversity induced asymmetries in hadron leptonproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 406-411.	1.5	11
39	The spin structure function p interaction studied via femtoscopy in p interaction studied via femtoscopy in	1.1	25
40	of the Bjorken sum rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 18-28.	1.5	89
41	Observation of a New Narrow Axial-Vector Meson $\Lambda(1420)$. Physics, 2016, 753, 18-28.	2.9	60
42	The COMPASS setup for physics with hadron beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 779, 69-115.	0.7	59
43	Search for exclusive photoproduction of Z^0 at COMPASS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, Odd and even partial waves of Z^0	1.5	43
44	Collins and Sivers asymmetries in muon production of pions and kaons off transversely polarised protons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 250-259.	1.5	81
45	Measurement of the Charged-Pion Polarizability. Physical Review Letters, 2015, 114, 062002.	2.9	36
46	A high-statistics measurement of transverse spin effects in dihadron production from muon-proton semi-inclusive deep-inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 124-131.	1.5	64
47	Spin alignment and violation of the OZI rule in exclusive ρ^0 and ω production in pp collisions. Nuclear Physics B, 2014, 886, 1078-1101.	0.9	4
48	Measurement of azimuthal hadron asymmetries in semi-inclusive deep inelastic scattering off unpolarised nucleons. Nuclear Physics B, 2014, 886, 1046-1077.	0.9	55
49	Measurement of radiative widths of $a_2(1320)$ and $\pi_2(1670)$. European Physical Journal A, 2014, 50, 1.	1.0	12
50	Transverse target spin asymmetries in exclusive muon production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, Measurement of the cross section for high-	1.6	6
51	Hadron transverse momentum distributions in muon deep inelastic scattering at 160 GeV/c. European Physical Journal C, 2013, 73, 1.	1.4	57
52	Study of $\Lambda(1385)$ and $\bar{\Lambda}(1321)$ hyperon and antihyperon production in deep inelastic muon scattering. European Physical Journal C, 2013, 73, 1.	1.4	7

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91	Driven vortices in type-II superconductors: A muon spin rotation study. Physical Review B, 2006, 73, .	1.1	10
92	Charged particle multiplicity in Pb-Pb collisions from the NA50 experiment. Journal of Physics: Conference Series, 2005, 5, 86-96.	0.3	1
93	Measurement of the spin structure of the deuteron in the DIS region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 612, 154-164.	1.5	111
94	Transverse momentum dependence of charmonium suppression in Pb-Pb collisions at the CERN SPS. Nuclear Physics A, 2005, 749, 243-250.	0.6	3
95	A new measurement of J/ψ suppression in Pb-Pb collisions at 158 GeV per nucleon. European Physical Journal C, 2005, 39, 335-345.	1.4	275
96	Search for the $\phi(1860)$ Pentaquark at COMPASS. European Physical Journal C, 2005, 41, 469-474.	1.4	22
97	J/ψ production and suppression at SPS energies. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S809-S816.	1.4	8
98	Fission cross sections of lead projectiles in Pb-nucleus interactions at 40 and 158 GeV per nucleon. Physical Review C, 2004, 69, .	1.1	4
99	Charmonium production and nuclear absorption in p-A interactions at 450 GeV. European Physical Journal C, 2004, 33, 31-40.	1.4	97
100	Charmonia Suppression in Nucleus-Nucleus Interactions at CERN SPS. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 337-341.	0.4	0
101	Latest results on J/ψ anomalous suppression. Pramana - Journal of Physics, 2004, 62, 627-630.	0.9	0
102	Breast imaging with a dedicated PEM. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 527, 87-91.	0.7	5
103	The production of Λ , Σ and Ξ mesons in p-, d-, S- and Pb-induced reactions at the CERN SPS. Journal of Physics G: Nuclear and Particle Physics, 2004, 30, S277-S282.	1.4	4
104	Study of deconfinement in NA50. Pramana - Journal of Physics, 2003, 60, 817-828.	0.9	4
105	Pseudorapidity distributions of charged particles in Pb-Pb collisions at super proton synchrotron energies from the NA50 experiment. Pramana - Journal of Physics, 2003, 60, 1059-1065.	0.9	1
106	Charmonia and Drell-Yan production in proton-nucleus collisions at the CERN SPS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 553, 167-178.	1.5	49
107	Υ production in Pb-Pb collisions at 158 GeV/c per nucleon incident momentum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 555, 147-155.	1.5	48
108	Results on leptonic probes from NA50. Nuclear Physics A, 2003, 715, 243c-251c.	0.6	42

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109	Transverse momentum distribution of J/ψ produced in PbPb and p-A interactions at the CERN SPS. Nuclear Physics A, 2003, 715, 675c-678c.	0.6	25
110	Charmonia absorption in p-A collisions at the CERN SPS results and implications for PbPb interactions. Nuclear Physics A, 2003, 715, 679c-682c.	0.6	15
111	Transverse momentum and transverse mass distributions of mesons produced in p-A and Pb-Pb interactions at the CERN SPS. Nuclear Physics A, 2003, 721, C249-C252.	0.6	3
112	and $\hat{1}$ production from proton to Pb induced reactions at CERN SPS. Nuclear Physics A, 2003, 721, C253-C256.	0.6	3
113	New results on J/ψ from the NA50 experiment. Nuclear Physics, Section B, Proceedings Supplements, 2003, 117, 68-70.	0.5	0
114	New results on J/ψ from the NA50 experiment. , 2003, , 68-70.		0
115	ϕ and ω vector-mesons produced in lead-induced collisions. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1809-1817.	1.4	3
116	Pseudorapidity distributions of charged particles as a function of centrality in Pb-Pb collisions at 158 and 400 GeV per nucleon incident energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 530, 33-42.	1.5	24
117	Scaling of charged particle multiplicity in Pb-Pb collisions at SPS energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 530, 43-55.	1.5	42
118	Transverse momentum distributions of J/ψ , $\psi(2S)$, Drell-Yan and continuum dimuons produced in Pb-Pb interactions at the SPS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 85-96.	1.5	70
119	The dependence of the anomalous J/ψ suppression on the number of participant nucleons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 521, 195-203.	1.5	42
120	Results from the NA50 experiment on J/ψ suppression in Pb-Pb collisions at the CERN SPS. Nuclear Physics, Section B, Proceedings Supplements, 2001, 92, 43-54.	0.5	1
121	Transverse flow in heavy ion interactions at the CERN SPS. Nuclear Physics, Section B, Proceedings Supplements, 2001, 92, 55-61.	0.5	2
122	Results on open charm from NA50. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 677-684.	1.4	7
123	Evidence for deconfinement of quarks and gluons from the J/ψ suppression pattern measured in Pb-Pb collisions at the CERN-SPS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 477, 28-36.	1.5	284
124	Strangeness measurements in NA50 experiment with Pb projectiles. Nuclear Physics A, 2000, 663-664, 721c-724c.	0.6	0
125	Observation of fission in Pb-Pb interactions at 158 A GeV. Physical Review C, 1999, 59, 876-883.	1.1	7
126	suppression. Nuclear Physics, Section B, Proceedings Supplements, 1999, 71, 279-286.	0.5	0

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127	J/ψ , Υ and Drell-Yan production in S-U interactions at 200 GeV per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 128-136.	1.5	70
128	Observation of a threshold effect in the anomalous J/ψ suppression. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 450, 456-466.	1.5	127
129	J/ψ and Υ production in p, O and S induced reactions at SPS energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 466, 408-414.	1.5	59
130	Transverse momentum distribution of J/ψ produced in Pb - Pb interactions at 158 GeV/c per nucleon. Nuclear Physics A, 1999, 654, 640c-643c.	0.6	1
131	Fission of lead projectiles in Pb-nucleus collisions at the SPS. Nuclear Physics A, 1999, 661, 321-324.	0.6	7
132	The elliptic flow of neutral transverse energy in heavy ion interactions at SPS energies. Nuclear Physics A, 1999, 661, 345-348.	0.6	2
133	A test pixel vertex spectrometer to complement the NA50 dimuon spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 435, 161-168.	0.7	3
134	Latest results from NA50 on J/ψ suppression in Pb-Pb collisions. Nuclear Physics A, 1999, 661, 93-103.	0.6	3
135	Υ , Υ' and Υ'' production in Pb-Pb collisions at 158 GeV/c ² per nucleon. Nuclear Physics A, 1999, 661, 534-537.	0.6	14
136	Dimuon enhancement in nucleus-nucleus ultrarelativistic interactions. Nuclear Physics A, 1999, 661, 538-541.	0.6	6
137	Charmonia production in 450 GeV/c proton induced reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 516-522.	1.5	49
138	Charmonium production in PbPb interactions at 158 GeV/c per nucleon. Nuclear Physics A, 1998, 638, 261c-278c.	0.6	31
139	F , Υ and Υ'' production in collisions induced by deuteron and heavy ions around 200 GeV per nucleon. Nuclear Physics A, 1998, 638, 483c-486c.	0.6	14
140	A possible evidence of Coulomb fission in lead-lead collisions at the CERN SPS. Il Nuovo Cimento A, 1998, 111, 963-969.	0.2	0
141	A four-dimensional deconvolution method to correct NA38 experimental data. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 405, 139-152.	0.7	7
142	Transverse momentum of J/ψ , Υ and mass continuum muon pairs produced in 32S-U collisions at 200 GeV/c per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 423, 207-212.	1.5	14
143	J/ψ , Υ and Drell-Yan production in pp and pd interactions at 450 GeV/c. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 438, 35-40.	1.5	52
144	NA38/NA50 results on the low mass dimuon spectra. Nuclear Physics A, 1998, 638, 487c-490c.	0.6	9

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145	and Drell-Yan cross-sections in Pb+Pb interactions at 158 GeV/c per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 410, 327-336.	1.5	113
146	Anomalous suppression in Pb+Pb interactions at 158 GeV/c per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 410, 337-343.	1.5	187
147	Energy and spatial resolution of a Shashlik calorimeter and a silicon preshower detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 376, 17-28.	0.7	8
148	Muon pair and vector meson cross-sections in p-W and Si+U collisions at 200 GeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 368, 230-238.	1.5	22
149	Production of $\bar{\psi}\psi$ and $\bar{\psi}\psi$ in p-W and Si+U collisions at 200 GeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 368, 239-243.	1.5	19
150	Beam test results of a Shashlik calorimeter in a high magnetic field. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 376, 361-367.	0.7	0
151	Anomalous suppression in Pb+Pb collisions at 158 A GeV/c. Nuclear Physics A, 1996, 610, 404-417.	0.6	140
152	$\bar{\psi}\psi$ and $\bar{\psi}\psi$ production in collisions induced by deuteron and heavy ions at 200 A GeV/c. Acta Physica Hungarica A Heavy Ion Physics, 1996, 4, 155-165.	0.4	3
153	$\bar{\psi}\psi$ and J/ψ production in p-W, p-U and S-U interactions at 200 GeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 617-621.	1.5	56
154	Multi-bundle shashlik calorimeter prototypes beam-test results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 354, 328-337.	0.7	4
155	The evolution of cross section ratio $\bar{\psi}\psi/J/\psi$ from p-A to S-U interactions. Direct photon emission in correlation with $\bar{\psi}\psi$ and. Nuclear Physics A, 1995, 590, 117-126.	0.6	14
156	Low mass vector-meson production in p-W and S-U high energy collisions. AIP Conference Proceedings, 1995, , .	0.3	0
157	Shashlik calorimeter Beam-test results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 348, 74-86.	0.7	28
158	Study of the isospin symmetry breaking in the light quark sea of the nucleon from the Drell-Yan process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 332, 244-250.	1.5	284
159	$\bar{\psi}\psi$ and muon pair production in p-W and S-U collisions. Nuclear Physics A, 1994, 566, 77-85.	0.6	36
160	$\bar{\psi}\psi$ and production in p-U and S-U collisions at 200. Nuclear Physics A, 1994, 566, 371-374.	0.6	9
161	Muon pair production in heavy ion interactions at 200 GeV per nucleon. Nuclear Physics A, 1992, 544, 209-222.	0.6	18
162	Meson production in p+U, O+U and S+U interactions at 200 GeV/nucleon. Zeitschrift für Physik C-Particles and Fields, 1992, 55, 365-371.	1.5	3

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163	Transverse momentum of dimuons produced in p-U, O-U and S-U collisions at 200 GeV/nucleon. Nuclear Physics A, 1991, 525, 469-472.	0.6	1
164	Study of J/ψ production in p-U, O-U and S-U interactions at 200 GeV per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, 459-465.	1.5	84
165	J/ψ and muon-pair cross-sections in proton-nucleus and nucleus-nucleus collisions at 200 GeV per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 270, 105-110.	1.5	51
166	Transverse momentum of produced in $p\text{-Cu}$, $p\text{-U}$, $^{16}\text{O}\text{-Cu}$, $^{16}\text{O}\text{-U}$ and $^{32}\text{S}\text{-U}$ collisions at 200 GeV per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 262, 362-368.	1.5	28
167	Initial state interactions and J/ψ production in nucleus-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 453-456.	1.5	21
168	Υ , Υ_{\pm} , and $\Upsilon_{\%}$ production in $p\text{-U}$, $\text{O}\text{-U}$ and $\text{S}\text{-U}$ reactions at 200 GeV per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 272, 449-454.	1.5	30
169	Transverse momentum of produced in oxygen-uranium collisions at 200 GeV per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 251, 465-471.	1.5	52
170	Transverse energy distributions in nucleus-nucleus collisions at 200 GeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 251, 472-476.	1.5	47
171	The production of J/ψ in 200 GeV/nucleon oxygen-uranium interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 220, 471-478.	1.5	191
172	Dimuon production in collisions of proton, oxygen and sulfur ions on heavy targets at 200 GeV/nucleon ; J/ψ production, Υ and K distributions. Nuclear Physics A, 1989, 498, 249-260.	0.6	20
173	The production of J/ψ in 200 GeV/A oxygen-uranium interactions. Zeitschrift für Physik C-Particles and Fields, 1988, 38, 117-124.	1.5	60
174	A study of Υ and K production in proton-uranium and oxygen-uranium interactions at 22 GeV/A using decay muons. Zeitschrift für Physik C-Particles and Fields, 1988, 38, 129-133.	1.5	9
175	Topological isolation of the deep inelastic QED Compton scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 182, 409-413.	1.5	11
176	Photoproduction of charged hadrons at large transverse momenta. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 174, 458-464.	1.5	8
177	High energy photoproduction of large transverse-momentum $\Upsilon(0)$ mesons: A quantitative test of QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 168, 163-169.	1.5	31
178	Measurement of deep inelastic Compton scattering of high energy photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 152, 419-427.	1.5	32
179	K-shell ionisation cross sections for Co, Ni, Cu, Zn, Ge and Se by protons of $0.2 \leq E < 2$ MeV. Nuclear Instruments & Methods, 1980, 169, 311-317.	1.2	31
180	Fitted inner-shell proton ionization cross sections from Ca to Sn for $0.2 \leq E < 2$ MeV incident energy. Nuclear Instruments & Methods, 1979, 164, 369-374.	1.2	11