

# RafaÅ, MaciuÅ,a

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

708  
citations

516710

16  
h-index

552781

26  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1666  
citing authors

#	ARTICLE	IF	CITATIONS
1	Open charm production at the LHC: $k_t$ -factorization approach. Physical Review D, 2013, 87, .	4.7	84
2	The Forward Physics Facility: Sites, experiments, and physics potential. Physics Reports, 2022, 968, 1-50.	25.6	57
3	Production of two $c\bar{c}$ pairs in double-parton scattering. Physical Review D, 2012, 85, .	4.7	53
4	Conventional versus single-ladder-splitting contributions to double parton scattering production of two quarkonia, two Higgs bosons, and $c\bar{c}A^-$ . Physical Review D, 2014, 90, .	4.7	46
5	Production of two charm quarkonia in double-parton scattering within the $k_t$ -factorization approach. Physical Review D, 2014, 89, .	4.7	41
6	New mechanisms for double charmed meson production at the LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 458-464.	4.1	27
7	Nonphotonic electrons at BNL RHIC within the $k_t$ -factorization approach and with experimental semileptonic decay functions. Physical Review D, 2009, 79, .	4.7	23
8	Single-parton scattering versus double-parton scattering in the production of two charm quarkonia and charmed meson correlations at the LHC. Physical Review D, 2014, 89, .	4.7	21
9	Consistent treatment of charm production in higher-orders at tree-level within $k_T$ -factorization approach. Physical Review D, 2017, 95, .	4.7	21
10	Production of two charm quarkonia and quark pairs in single-parton scattering within the $k_t$ -factorization approach and independent parton fragmentation picture. Physical Review D, 2018, 98, .	4.7	20
11	Production of two charm quarkonia and quark pairs in single-parton scattering within the $k_t$ -factorization approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 167-172.	4.1	19
12	Four-jet production in single- and double-parton scattering within high-energy factorization. Journal of High Energy Physics, 2016, 2016, 1-19.	4.7	19
13	Production of two charm quarkonia and quark pairs in single-parton scattering within the $k_t$ -factorization approach for $c\bar{c}T$ production. Physical Review D, 2018, 98, .	4.7	19
14	Double-parton scattering contribution to production of jet pairs with large rapidity separation at the LHC. Physical Review D, 2014, 90, .	4.7	18
15	Searching for and exploring double-parton scattering effects in four-jet production at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 57-62.	4.1	17
16	Single- and central-diffractive production of open charm and bottom mesons at the LHC: Theoretical predictions and experimental capabilities. Physical Review D, 2015, 91, .	4.7	17
17	Central exclusive quark-antiquark dijet and standard model Higgs boson production in proton-(anti)proton collisions. Physical Review D, 2011, 83, .	4.7	15
18	Subdominant terms in the production of $c\bar{c}$ pairs in proton-proton collisions. Physical Review D, 2011, 84, .	4.7	15

#	ARTICLE	IF	CITATIONS
19	Open charm meson production at BNL RHIC within $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mi} \rangle k \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ -factorization approach and revision of their semileptonic decays. Physical Review D, 2015, 92, .	4.7	14
20	Intrinsic charm in the nucleon and charm production at large rapidities in collinear, hybrid and kT-factorization approaches. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
21	Charm quark and meson production in association with single-jet at the LHC. Physical Review D, 2016, 94, .	4.7	13
22	Mapping the dominant regions of the phase space associated with $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:mover} \text{ accent="true"} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{ stretchy="false"} \rangle \hat{\Lambda} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:math} \rangle$ production relevant for the prompt atmospheric neutrino flux. Physical Review D, 2017, 96, .	4.7	13
23	$\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ meson production asymmetry, unfavored fragmentation, and consequences for prompt atmospheric neutrino production. Physical Review D, 2018, 97, .	4.7	13
24	Can the triple-parton scattering be observed in open charm meson production at the LHC?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 849-853.	4.1	12
25	Kinematical correlations of dielectrons from semileptonic decays of heavy mesons and Drell-Yan processes at BNL RHIC. Physical Review D, 2011, 83, .	4.7	11
26	Search for optimal conditions for exploring double-parton scattering in four-jet production:kT-factorization approach. Physical Review D, 2016, 94, .	4.7	11
27	Double-parton scattering effects in associated production of charm mesons and dijets at the LHC. Physical Review D, 2017, 96, .	4.7	9
28	Inclusive production of Higgs boson in the two-photon channel at the LHC within $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \hat{\Gamma}^e \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ -factorization approach and with the standard model couplings. Physical Review D, 2014, 90, .	4.7	8
29	Independent quark/antiquark fragmentation to massive particles in proton-proton collisions. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 035001.	3.6	8
30	New contributions to central exclusive production of dijets in proton-(anti)proton collisions. Physical Review D, 2011, 84, .	4.7	7
31	QCD predictions for open charm meson production at the LHCb in a fixed-target experiment. Physical Review D, 2020, 102, .	4.7	7
32	Impact of the LHCb $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ fixed-target $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	4.7	7
33	Single-diffractive production of charmed mesons at the LHC within the k t -factorization approach. Journal of High Energy Physics, 2017, 2017, 1.	4.7	6
34	From $D_s \hat{\Lambda}^\pm$ production asymmetry at the LHC to prompt $\hat{\Gamma}_{1/2}$ at IceCube. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 794, 29-35.	4.1	6
35	Production of $f_0(980)$ meson at the LHC: Color evaporation versus color-singlet gluon-gluon fusion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135475.	4.1	5
36	Production asymmetry of $\hat{\Gamma}_{1/2}^i$ , neutrinos and $\overline{\nu}_{\text{au}}$ antineutrinos from a fixed target experiment SHiP. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4

#	ARTICLE	IF	CITATIONS
37	Double-parton scattering effects in $D^0$ and $B^0$ meson-meson pair production in proton-proton collisions at the LHC. Physical Review D, 2016, 97, .	4.7	3
38	Impact of intrinsic charm amount in the nucleon and saturation effects on the prompt atmospheric $\mu$ flux for IceCube. European Physical Journal C, 2022, 82, 1.	3.9	3
39	PRODUCTION OF $D$ AND $B$ MESONS AND THEIR SEMILEPTONIC DECAYS. International Journal of Modern Physics A, 2011, 26, 549-551.	1.5	1
40	Single-diffractive production of dijets within the $k_t$ -factorization approach. Physical Review D, 2017, 96, .	4.7	1
41	Production of one and two $c\bar{c}$ pairs at LHC. , 2013, , .		0
42	Double open charm meson production at the LHC: new single- and double-parton scattering mechanisms. EPJ Web of Conferences, 2016, 130, 05013.	0.3	0
43	Production asymmetry of open charm mesons within unfavoured fragmentation scenario. EPJ Web of Conferences, 2019, 199, 04007.	0.3	0
44	Intrinsic charm in the nucleon and forward production of charm: a new constrain from IceCube Neutrino Observatory. SciPost Physics Proceedings, 2022, , .	0.4	0