

# RafaÅ, MaciuÅ,a

## List of Publications by Year in descending order

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44  
papers

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#	ARTICLE	IF	CITATIONS
1	Impact of the LHCb $p \rightarrow \text{He}$ fixed-target $p \rightarrow \text{He}$ $D$ meson production within improved color evaporation model with the $k_T$ -factorization approach for $k_T$ -factorization approach. Physical Review D, 2018, 97, .	4.7	7
2	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
3	The Forward Physics Facility: Sites, experiments, and physics potential. Physics Reports, 2022, 968, 1-50.	25.6	57
4	Intrinsic charm in the nucleon and forward production of charm: a new constrain from IceCube Neutrino Observatory. SciPost Physics Proceedings, 2022, , .	0.4	0
5	Intrinsic charm in the nucleon and charm production at large rapidities in collinear, hybrid and $k_T$ -factorization approaches. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
6	QCD predictions for open charm meson production at the LHCb in a fixed-target experiment. Physical Review D, 2020, 102, .	4.7	7
7	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
8	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
9	Production asymmetry of $\bar{\nu}_\mu$ , neutrinos and $\bar{\nu}_\mu$ antineutrinos from a fixed target experiment SHIP. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
10	$D$ -meson production within improved color evaporation model with the $k_T$ -factorization approach for $k_T$ -factorization approach. Physical Review D, 2019, 100, .	4.7	19
11	Consistent treatment of charm production in higher-orders at tree-level within $k_T$ -factorization approach. Physical Review D, 2019, 100, .	4.7	21
12	Production asymmetry of open charm mesons within unfavoured fragmentation scenario. EPJ Web of Conferences, 2019, 199, 04007.	0.3	0
13	From $D_{s\pm}$ production asymmetry at the LHC to prompt $\bar{\nu}_\mu$ at IceCube. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 794, 29-35.	4.1	6
14	$D$ meson production asymmetry, unfavored fragmentation, and consequences for prompt atmospheric neutrino production. Physical Review D, 2018, 97, .	4.7	13
15	$\bar{\nu}_\mu$ baryons at the LHC within the $k_T$ -factorization approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 849-853.	4.7	20
16	Double-parton scattering effects in $D$ meson production and $B$ meson-meson pair production in proton-proton collisions at the LHC. Physical Review D, 2018, 97, .	4.7	3
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Double-parton scattering effects in associated production of charm mesons and dijets at the LHC. Physical Review D, 2017, 96, .	4.7	9
20	Mapping the dominant regions of the phase space associated with $c\bar{c}$ production relevant for the prompt atmospheric neutrino flux. Physical Review D, 2017, 96, .	4.7	13
21	Single-diffractive production of dijets within the $k_T$ -factorization approach. Physical Review D, 2017, 96, .	4.7	1
22	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
23	Search for optimal conditions for exploring double-parton scattering in four-jet production: $k_T$ -factorization approach. Physical Review D, 2016, 94, .	4.7	11
24	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
25	Charm quark and meson production in association with single-jet at the LHC. Physical Review D, 2016, 94, .	4.7	13
26	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
27	Production of two charm quark-antiquark pairs in single-parton scattering within the $k_T$ -factorization approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 167-170.	4.7	10
28	Open charm meson production at BNL RHIC within $k_T$ -factorization approach and revision of their semileptonic decays. Physical Review D, 2015, 92, .	4.7	14
29	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
30	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
31	Double-parton scattering contribution to production of jet pairs with large rapidity separation at the LHC. Physical Review D, 2014, 90, .	4.7	18
32	Single-parton scattering versus double-parton scattering in the production of two $c\bar{c}$ pairs and charmed meson correlations at the LHC. Physical Review D, 2014, 89, .	4.7	21
33	Inclusive production of Higgs boson in the two-photon channel at the LHC within $k_T$ -factorization approach and with the standard model couplings. Physical Review D, 2014, 90, .	4.7	8
34	Conventional versus single-ladder-splitting contributions to double parton scattering production of two quarkonia, two Higgs bosons, and $c\bar{c}c\bar{c}$ . Physical Review D, 2014, 90, .	4.7	46
35	Open charm production at the LHC: $k_T$ -factorization approach. Physical Review D, 2013, 87, .	4.7	84
36	Production of one and two $c\bar{c}$ pairs at LHC. , 2013, .		0

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37	Production of $c\bar{c}$ pairs in double-parton scattering within the $k_T$ -factorization approach. Physical Review D, 2012, 85, .	4.7	41
38	Production of two $c\bar{c}$ pairs in double-parton scattering. Physical Review D, 2012, 85, .	4.7	53
39	Central exclusive quark-antiquark dijet and standard model Higgs boson production in proton-(anti)proton collisions. Physical Review D, 2011, 83, .	4.7	15
40	New contributions to central exclusive production of dijets in proton-(anti)proton collisions. Physical Review D, 2011, 84, .	4.7	7
41	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
42	Subdominant terms in the production of $c\bar{c}$ pairs in proton-proton collisions. Physical Review D, 2011, 84, .	4.7	15
43	PRODUCTION OF $D$ AND $B$ MESONS AND THEIR SEMILEPTONIC DECAYS. International Journal of Modern Physics A, 2011, 26, 549-551.	1.5	1
44	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