

Igor Rachek

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Measurement of the Two-Photon Exchange Contribution to the Elastic e^+p Scattering Cross Sections at the VEPP-3 Storage Ring. Physical Review Letters, 2015, 114, 062005.	7.8	87
2	Measurement of Tensor Analyzing Powers in Deuteron Photodisintegration. Physical Review Letters, 2007, 98, 182303.	7.8	40
3	Experiments with internal targets at the VEPP-3 electron storage ring. Physics of Atomic Nuclei, 2010, 73, 1322-1338.	0.4	33
4	Measurement of the tensor analyzing power components in the coherent photoproduction of a π^0 meson on a deuteron. JETP Letters, 2009, 89, 432-436.	1.4	22
5	Measurement of the components of the tensor analyzing power in the reaction $\hat{p}^3 d \hat{a}^+ p \hat{\pi}^0 \hat{a}^+$ at high proton momenta. Physics of Atomic Nuclei, 2015, 78, 1-9.	0.4	15
6	Measurement of the tensor analyzing power for the reaction $\hat{p}^3 d \hat{a}^+ p \hat{\pi}^0$. International Journal of Modern Physics E, 2019, 28, 1950010.	1.0	14
7	Measurement of Tensor Analyzing Power T_{20} in Coherent $\vec{\pi}^0$ Photoproduction on Deuteron. Few-Body Systems, 2017, 58, 1.	1.5	13
8	Tensor analyzing power component T_{21} of a π^0 -meson in the photoproduction on a deuteron. Journal of Physics: Conference Series, 2011, 295, 012115.	0.4	11
9	Neutral pion photoproduction on tensor-polarized deuterium on the VEPP-3 storage ring. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 611-615.	0.6	11
10	Measuring tensor analyzing power component T_{20} of the coherent photoproduction of a neutral pion on a tensor-polarized deuteron in the VEPP-3 storage ring. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 864-868.	0.6	11
11	Tensor observables in electro- and photoreactions on the deuteron. Physics of Particles and Nuclei, 2017, 48, 102-110.	0.7	11
12	Investigation of the reaction $D(e, pp)e^2 \pi^0$ on a tensorpolarized deuterium target at high proton momenta. JETP Letters, 1998, 67, 770-776.	1.4	8
13	Experimental Study of the Components of the Tensor Analyzing Power of the Reaction $\hat{p}^3 d \hat{a}^+ p \hat{\pi}^0$. Russian Physics Journal, 2016, 59, 868-874.	0.4	8
14	Measurement of the tensor analyzing power T_{20} for the reaction $\gamma d \rightarrow p \pi^0$. European Physical Journal A, 2020, 56, 1.	2.5	7
15	Tagging system for almost-real photons at VEPP-3 storage ring. Physics of Particles and Nuclei, 2014, 45, 338-340.	0.7	6
16	Proton form factors and two-photon exchange in elastic electron-proton scattering. Physics of Atomic Nuclei, 2015, 78, 394-403.	0.4	6
17	Measurement of Tensor Analyzing Power Components of the $\hat{p}^3 d \hat{a}^+ p \hat{\pi}^0$ Reaction. Russian Physics Journal, 2019, 62, 252-257.	0.4	5
18	Tensor asymmetry of π^0 -meson photoproduction on polarized deuterons. Bulletin of the Russian Academy of Sciences: Physics, 2010, 74, 743-746.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Production of polarized molecules of hydrogen isotopes. JETP Letters, 2017, 105, 289-291.	1.4	3
20	Nuclear-Polarized Hydrogen/Deuterium Molecular Source. Physics of Particles and Nuclei, 2019, 50, 513-519.	0.7	3
21	Measurements of the tensor analyzing power T20 of the reaction $\hat{1}^3d \hat{a}t' d\hat{1}^0$. International Journal of Modern Physics E, 2020, 29, 2050011.	1.0	3
22	Measurement of the tensor analyzing power T20 for the reaction $\hat{1}^3d \hat{a}t' p\hat{1}^0$. Modern Physics Letters A, 2021, 36, 2150199.	1.2	2
23	Measurements of the T20 Analyzing Power Tensor Component of the $\hat{1}^3d\hat{a}t'P\hat{1}^0$ Reaction. Russian Physics Journal, 2022, 64, 1792-1796.	0.4	2
24	Cryogenic atomic beam source at VEPP-3. , 1998, , .		1
25	Measurement of a double spin asymmetry in the photoproduction of π^{\pm} mesons on deuterons. European Physical Journal A, 2018, 54, 1.	2.5	1
26	Measurement of the Asymmetry of Photoproduction of π^{\pm} Mesons on Linearly Polarized Deuterons by Linearly Polarized Photons. Russian Physics Journal, 2018, 61, 115-122.	0.4	1
27	An Experimental Setup for Production of Polarized H2 and D2 Molecules. Instruments and Experimental Techniques, 2019, 62, 56-61.	0.5	1
28	Results and status of inelastic ed-scattering experiments at the internal polarized deuterium targets of VEPP-3. AIP Conference Proceedings, 2001, , .	0.4	0
29	Spectrum of Virtual Photons in the Electroproduction of Negatively Charged Pions on Deuterons. Russian Physics Journal, 2017, 60, 1182-1188.	0.4	0
30	Measurement of the Components of the Tensor Analyzing Power in the Reaction $\hat{1}^3D \hat{a}t' p\hat{1}^0$ at Low Proton Energies. Russian Physics Journal, 2018, 61, 1316-1323.	0.4	0
31	Measurement of the tensor analyzing power for the $\hat{1}^3d \hat{a}t' p\hat{1}^0$ reaction in the low energy range of protons. International Journal of Modern Physics E, 2018, 27, 1850082.	1.0	0
32	Simulation of Motion of H2 and D2 Molecules in Sextupole Magnets. Technical Physics, 2019, 64, 1248-1259.	0.7	0