

Barbara KÅ,os

List of Publications by Year in descending order

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Version: 2024-02-01

101
papers

2,206
citations

279798

23
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223800

46
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103
all docs

103
docs citations

103
times ranked

2228
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Experimental Studies of Few-Nucleon Systems. Acta Physica Polonica A, 2021, 139, 319-322. | 0.5 | 0 |
| 2 | Measurement of differential cross sections for the deuteron-proton breakup reaction at 160 MeV. Physical Review C, 2020, 102, . | 2.9 | 4 |
| 3 | Differential cross sections for neutron-proton scattering in the region of the $\Delta(1232)$ resonance. Physical Review C, 2020, 102, . | 2.9 | 4 |
| 4 | Search for the $\Delta(1232)$ resonance in the $^3\text{He}(n,p)^3\text{He}$ reaction. Physical Review C, 2020, 102, . | 2.9 | 8 |
| 5 | Three-nucleon dynamics in $^3\text{He}(n,p)^3\text{He}$ breakup collisions using the WASA detector at COSY-Jülich. Physical Review C, 2020, 102, . | 4.1 | 8 |
| 6 | Three-nucleon dynamics in $^3\text{He}(n,p)^3\text{He}$ breakup collisions using the WASA detector at COSY-Jülich. Physical Review C, 2020, 101, . | 2.9 | 5 |
| 7 | Simulation of Star Configurations in the BINA Detector. Acta Physica Polonica B, 2020, 51, 763. | 0.8 | 0 |
| 8 | Study of Three-Nucleon Dynamics in the dp Breakup Collisions Using the WASA Detector. Springer Proceedings in Physics, 2020, , 455-459. | 0.2 | 0 |
| 9 | Three-body breakup in deuteron-deuteron collisions at 160 MeV including quasifree scattering. Physical Review C, 2019, 100, . | 2.9 | 6 |
| 10 | Investigation of the cross section for elastic scattering and $^3\text{He}(n,p)^3\text{He}$ breakup reactions at 160 MeV. Physical Review C, 2019, 100, . | 2.9 | 6 |
| 11 | Studies of Deuteron Breakup Reactions in Deuteron-Deuteron Collisions at 160 MeV with BINA. Few-Body Systems, 2019, 60, 1. | 1.5 | 5 |
| 12 | Examination of the production of an isotensor dibaryon in the $pp \rightarrow pp + \Delta(1232)$ reaction. Physical Review C, 2019, 99, . | 2.9 | 3 |
| 13 | Measurement of Differential Cross Section for Proton-induced Deuteron Breakup at 108 MeV. Acta Physica Polonica B, 2019, 50, 361. | 0.8 | 2 |
| 14 | Spin Dependence of $\Delta(1232)$ Meson Production in Proton-Proton Collisions Close to Threshold. Physical Review Letters, 2018, 120, 022002. | 7.8 | 2 |
| 15 | Backward single-pion production in the $p d \rightarrow \pi^0 p d$ reaction. European Physical Journal A, 2018, 54, 1. | 2.5 | 0 |
| 16 | Search for C violation in the decay $\Delta(1232) \rightarrow p n$ with WASA-at-COSY. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 378-384. | 4.1 | 3 |
| 17 | Importance of d-wave contributions in the charge symmetry breaking reaction $dd \rightarrow 4\text{He}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 645-650. | 4.1 | 3 |
| 18 | Total and differential cross sections of $\Delta(1232)$ -production in proton-deuteron fusion for excess energies between $Q_{\text{ex}} = 13$ MeV and $Q_{\text{ex}} = 81$ MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 297-304. | 4.1 | 10 |

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|----|---|-----|-----------|
| 37 | Deuteron–Deuteron Collision at 160 MeV. Acta Physica Polonica B, 2016, 47, 411. | 0.8 | 1 |
| 38 | Systematic studies of the three-nucleon system dynamics in the deuteron-proton breakup reaction. AIP Conference Proceedings, 2015, . . | 0.4 | 0 |
| 39 | Investigation of the Deuteron Breakup on Proton Target in the Forward Angular Region at 130ÅMeV. Few-Body Systems, 2015, 56, 665-690. | 1.5 | 12 |
| 40 | ABC effect and resonance structure in the double-pionic fusion to $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review C, 2015, 91, . | 2.9 | 30 |
| 41 | Experimental Investigation of Few-Nucleon Dynamics at Medium Energies. Acta Physica Polonica A, 2015, 127, 1529-1530. | 0.5 | 0 |
| 42 | Coulomb Force Effects in Deuteron–Proton Breakup Reaction. Acta Physica Polonica B, 2015, 46, 459. | 0.8 | 0 |
| 43 | Investigation of three nucleon force effects in deuteron-proton breakup reaction. EPJ Web of Conferences, 2014, 81, 06007. | 0.3 | 6 |
| 44 | Experimental study of relativistic effects in the dp breakup reaction using the WASA detector. EPJ Web of Conferences, 2014, 66, 03045. | 0.3 | 1 |
| 45 | Experimental Investigation of the Few-Nucleon Dynamics in Deuteron-Deuteron Collision at 160 MeV. EPJ Web of Conferences, 2014, 81, 06006. | 0.3 | 1 |
| 46 | Charge symmetry breaking in $d + \text{He}^4 \rightarrow \text{He}^4 + n$ with WASA-at-COSY. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 44-49. | 4.1 | 9 |
| 47 | Investigation of Three Nucleon Force Effects in Deuteron–Proton Breakup Reaction. Acta Physica Polonica B, 2014, 45, 527. | 0.8 | 8 |
| 48 | Neutron-proton scattering in the context of the $d + n \rightarrow \text{He}^4$ resonance. Physical Review C, 2014, 90, . | 2.9 | 14 |
| 49 | Measurement of the $d + n \rightarrow \text{He}^4$ plot distribution. Physical Review C, 2014, 90, . | 2.9 | 14 |
| 50 | Few-Nucleon System Dynamics Studied via Deuteron–Deuteron Breakup Reactions at 160ÅMeV. Few-Body Systems, 2014, 55, 1035-1036. | 1.5 | 2 |
| 51 | Investigation of the Three-Nucleon System Dynamics in the Deuteron–Proton Breakup Reaction. Few-Body Systems, 2014, 55, 639-644. | 1.5 | 0 |
| 52 | Systematic Study of Three-Nucleon Systems Dynamics in the Cross Section of the Deuteron–Proton Breakup Reaction. Few-Body Systems, 2014, 55, 721-724. | 1.5 | 2 |
| 53 | Cross section ratio and angular distributions of the reaction $p + d \rightarrow \text{He}^3 + n$ at 48.8 MeV and 59.8 MeV excess energy. European Physical Journal A, 2014, 50, 1. | 2.5 | 12 |
| 54 | Evidence for a New Resonance from Polarized Neutron-Proton Scattering. Physical Review Letters, 2014, 112, . | 7.8 | 150 |

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|----|--|-----|-----------|
| 55 | Studies of the Three-Nucleon System Dynamics in the Deuteron-Proton Breakup Reaction. EPJ Web of Conferences, 2014, 66, 03019. | 0.3 | 0 |
| 56 | Investigations of Few-Nucleon System Dynamics in Medium Energy Domain. Few-Body Systems, 2013, 54, 1301-1305. | 1.5 | 0 |
| 57 | Isospin decomposition of the basic double-pionic fusion in the region of the ABC effect. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 229-236. | 4.1 | 114 |
| 58 | Search for a dark photon in the $\pi^+\pi^-\pi^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 187-193. | 4.1 | 105 |
| 59 | Vector analyzing powers of the deuteron-proton elastic scattering and breakup at 100 MeV. European Physical Journal A, 2013, 49, 1. | 2.5 | 14 |
| 60 | Investigation of the $d + {}^3\text{He} \rightarrow \text{He} + p$ reaction with the FZ Jülich WASA-at-COSY facility. Physical Review C, 2013, 88, . | 2.9 | 5 |
| 61 | Measurement of the $d + {}^3\text{He} \rightarrow \text{He} + p$ reaction in search for the recently observed resonance structure in $d + {}^3\text{He}$. Physical Review C, 2013, 88, . | 2.9 | 62 |
| 62 | Search for π -mesic ${}^4\text{He}$ with the WASA-at-COSY detector. Physical Review C, 2013, 87, . | 2.9 | 40 |
| 63 | Three- and Four-nucleon Dynamics at Intermediate Energies. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 1167. | 0.1 | 1 |
| 64 | Abashian-Booth-Crowe resonance structure in the double pionic fusion to $d + {}^3\text{He}$. Physical Review C, 2012, 86, . | 2.9 | 30 |
| 65 | Vector analyzing powers of deuteron-proton elastic scattering and breakup at 130 MeV. Physical Review C, 2012, 85, . | 2.9 | 16 |
| 66 | Studies of the Three-Nucleon System Dynamics in the Deuteron-Proton Breakup Reaction. EPJ Web of Conferences, 2012, 37, 09011. | 0.3 | 4 |
| 67 | Intercomparison measurements of ${}^{222}\text{Rn}$ concentration in water samples in Poland. Radiation Measurements, 2012, 47, 89-95. | 1.4 | 10 |
| 68 | Exclusive measurement of the $\pi^+\pi^-\pi^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 187-193. | 4.1 | 34 |
| 69 | Vector and Tensor Analyzing Powers in Deuteron-Proton Breakup. Few-Body Systems, 2011, 50, 283-285. | 1.5 | 0 |
| 70 | Cross Sections of the Deuteron-Proton Breakup at 130 MeV: A Probe of Three-Nucleon System Dynamics. Few-Body Systems, 2011, 50, 235-238. | 1.5 | 2 |
| 71 | Mean annual ${}^{222}\text{Rn}$ concentration in homes located in different geological regions of Poland – first approach to whole country area. Journal of Environmental Radioactivity, 2011, 102, 735-741. | 1.7 | 22 |
| 72 | Correction factors for determination of annual average radon concentration in dwellings of Poland resulting from seasonal variability of indoor radon. Applied Radiation and Isotopes, 2011, 69, 1459-1465. | 1.5 | 47 |

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|----|--|-----|-----------|
| 73 | Abashian-Booth-Crowe Effect in Basic Double-Pionic Fusion: A New Resonance?. Physical Review Letters, 2011, 106, 242302. | 7.8 | 210 |
| 74 | THREE-NUCLEON INTERACTION DYNAMICS STUDIED VIA THE DEUTERON-PROTON BREAKUP. International Journal of Modern Physics A, 2011, 26, 725-727. | 1.5 | 2 |
| 75 | Analyzing Powers of the Deuteron-Proton Breakup in a Wide Phase Space Region. EPJ Web of Conferences, 2010, 3, 05009. | 0.3 | 0 |
| 76 | Vector and tensor analyzing powers in deuteron-proton breakup at 130 MeV. Physical Review C, 2010, 82, . | 2.9 | 48 |
| 77 | THREE-NUCLEON INTERACTION DYNAMICS STUDIED VIA THE DEUTERON-PROTON BREAKUP. International Journal of Modern Physics A, 2009, 24, 515-520. | 1.5 | 9 |
| 78 | Measurement of the $\hat{L} \cdot \hat{t}$ Dalitz plot distribution with the WASA detector at COSY. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 677, 24-29. | 4.1 | 31 |
| 79 | Precise set of tensor analyzing power T20 data for the deuteron-proton breakup at 130 MeV. European Physical Journal A, 2009, 42, 13. | 2.5 | 16 |
| 80 | Studies of the three-nucleon system dynamics: Cross sections of the deuteron-proton breakup at 130 MeV. Few-Body Systems, 2008, 44, 11-13. | 1.5 | 1 |
| 81 | Cross Sections of the Deuteron-Proton Breakup as a Probe of Three-Nucleon System Dynamics. AIP Conference Proceedings, 2008, , . | 0.4 | 0 |
| 82 | A large, precise set of polarization observables for deuteron-proton breakup at 130 MeV. AIP Conference Proceedings, 2008, , . | 0.4 | 1 |
| 83 | Nuclear surface studies with antiprotonic atom x rays. Physical Review C, 2007, 76, . | 2.9 | 20 |
| 84 | Neutron density distributions from antiprotonic ^{208}Pb and ^{209}Bi | 2.9 | 119 |
| 85 | Three-Nucleon Force Effects in Observables for $d \rightarrow p + n$ Breakup at 130 MeV. , 2007, , . | | 0 |
| 86 | Evidence of the Coulomb-force effects in the cross-sections of the deuteron-proton breakup at 130 MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 641, 23-27. | 4.1 | 64 |
| 87 | Analyzing power measurement in deuteron-proton breakup at 130 MeV. AIP Conference Proceedings, 2005, , . | 0.4 | 1 |
| 88 | Antiprotonic atoms as a tool for the investigation of the nuclear periphery. AIP Conference Proceedings, 2005, , . | 0.4 | 1 |
| 89 | Cross sections of the deuteron-proton breakup at 130 MeV. AIP Conference Proceedings, 2005, , . | 0.4 | 1 |
| 90 | Systematic study of three-nucleon force effects in the cross section of the deuteron-proton breakup at 130 MeV. Physical Review C, 2005, 72, . | 2.9 | 87 |

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|-----|--|-----|-----------|
| 91 | Strong interaction and E2 effect in even-A antiprotonic Te atoms. Physical Review C, 2004, 69, . | 2.9 | 9 |
| 92 | NEUTRON DENSITY DISTRIBUTIONS FROM ANTIPROTONIC ATOMS COMPARED WITH HADRON SCATTERING DATA. International Journal of Modern Physics E, 2004, 13, 343-351. | 1.0 | 81 |
| 93 | Information on the nuclear periphery deduced from the properties of heavy antiprotonic atoms. Nuclear Instruments & Methods in Physics Research B, 2004, 214, 157-159. | 1.4 | 4 |
| 94 | Nucleon density in the nuclear periphery determined with antiprotonic x rays: Cadmium and tin isotopes. Physical Review C, 2003, 67, . | 2.9 | 18 |
| 95 | Neutron Density Distributions Deduced from Antiprotonic Atoms. Physical Review Letters, 2001, 87, 082501. | 7.8 | 319 |
| 96 | Information on antiprotonic atoms and the nuclear periphery from the PS209 experiment. Nuclear Physics A, 2001, 692, 176-181. | 1.5 | 37 |
| 97 | Nucleon density in the nuclear periphery determined with antiprotonic x rays: Calcium isotopes. Physical Review C, 2001, 65, . | 2.9 | 10 |
| 98 | Composition of the nuclear periphery from antiproton absorption using short-lived residual nuclei. Physical Review C, 1999, 60, . | 2.9 | 32 |
| 99 | Nuclear interactions of antiprotons: theory. Nuclear Physics A, 1999, 655, c257-c262. | 1.5 | 2 |
| 100 | Nucleon density of ^{172}Yb and ^{176}Yb at the nuclear periphery determined with antiprotonic x rays. Physical Review C, 1998, 58, 3195-3204. | 2.9 | 21 |
| 101 | Antiprotonic investigation of the nuclear periphery. Nuclear Physics, Section B, Proceedings Supplements, 1997, 56, 108-113. | 0.4 | 8 |