

# EMPIRE: Nuclear Reaction Model Code System for Data

Nuclear Data Sheets

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Citation Report



#	ARTICLE	IF	CITATIONS
19	Evaluation of Neutron Cross Sections for a Complete Set of Nd Isotopes. Nuclear Science and Engineering, 2008, 160, 168-189.	0.5	4
20	cross sections of the reaction $^{231}\text{Pa}(n,\gamma)^{232}\text{Pa}$ and $^{231}\text{Pa}(n,\alpha)^{228}\text{Ac}$ . Nuclear Science and Engineering, 2009, 162, 15-24.	1.1	21
21	Towards a prediction of fission cross sections on the basis of microscopic nuclear inputs. Physical Review C, 2009, 79, .	1.1	108
22	A new approach for cross section evaluations in the high energy region. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1882-1890.	0.6	0
23	Activation cross sections of proton induced nuclear reactions on ytterbium up to 70MeV. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2789-2801.	0.6	19
24	Measurement and theoretical estimation of induced activity in natIn by high energy neutrons. Pramana - Journal of Physics, 2009, 73, 669-683.	0.9	1
25	Proton energy determination using activated yttrium foils and ionization chambers for activity assay. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1867-1872.	0.6	11
26	Investigation of proton induced reactions on niobium at low and medium energies. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3364-3374.	0.6	18
27	Excitation functions for proton-induced reactions on natural hafnium: Production of $^{177}\text{Lu}$ for medical use. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3500-3504.	0.6	15
28	RIPPL "Reference Input Parameter Library for Calculation of Nuclear Reactions and Nuclear Data Evaluations. Nuclear Data Sheets, 2009, 110, 3107-3214.	0.7	1,119
29	Actinide ENDF/B-VII cross-section evaluations and validation testing. Annals of Nuclear Energy, 2009, 36, 258-262.	0.9	4
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31	Cross section measurements of the $^{131}\text{Xe}(p,n)$ reaction for production of the therapeutic radionuclide $^{131}\text{Cs}$ . Applied Radiation and Isotopes, 2009, 67, 1751-1757.	0.7	16
32	A comprehensive evaluation of charged-particle data for production of the therapeutic radionuclide $^{103}\text{Pd}$ . Applied Radiation and Isotopes, 2009, 67, 1842-1854.	0.7	30
33	Cross section of prompt gamma-ray production by fast neutrons on iron and bismuth nuclei. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 1511-1514.	0.1	2
34	rest of level density models from reactions of $^{6}\text{Li}$ on $^{58}\text{Fe}$ . Nuclear Science and Engineering, 2009, 162, 25-40.	1.1	6
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36	Extensive Set of Cross-Section Covariance Estimates in the Fast Neutron Region. Nuclear Science and Engineering, 2009, 162, 25-40.	0.5	8

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37	Theoretical Calculations and Analysis for the $^{59}\text{Co}$ Reaction up to 20 MeV. Nuclear Science and Engineering, 2009, 161, 331-345.	0.5	4
38	Measurement of $^{67}\text{Zn}(n,p)^{67}\text{Cu}$ , $^{92}\text{Mo}(n,p)^{92}\text{Nb}$ , and $^{98}\text{Mo}(n,p)^{98}\text{Nb}$ Reaction Cross Sections at Incident Neutron Energies of $E_n = 1.6$ and $3.7$ MeV. Nuclear Science and Engineering, 2009, 163, 175-182.	0.5	18
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85	Theoretical evaluation of the reaction rates for $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{Al} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 26 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo}$		

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91	Investigation of deuteron breakup and deuteron-induced fission on actinide nuclei at low incident energies. <i>Physical Review C</i> , 2012, 85, .	1.1	26
92	Compound-nuclear reaction cross sections from surrogate measurements. <i>Reviews of Modern Physics</i> , 2012, 84, 353-397.	16.4	196
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98	Nuclear ingredients for cross section calculation of exotic nuclei. <i>Journal of Physics: Conference Series</i> , 2012, 337, 012026.	0.3	0
99	The Role of $^{12}\text{C}(^{12}\text{C},n)$ in the Astrophysical S-Process. <i>Journal of Physics: Conference Series</i> , 2012, 381, 012121.	0.3	0
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106	Activation cross sections for deuteron induced reactions on Si up to 50MeV. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 285, 43-48.	0.6	5
107	Investigation of the $\hat{1}\pm$ -particle induced nuclear reactions on natural molybdenum. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 285, 125-141.	0.6	18
108	Nuclear spectroscopy for in situ soil elemental analysis: Monte Carlo simulations. <i>Applied Radiation and Isotopes</i> , 2012, 70, 1085-1088.	0.7	4

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109	Simulation of prompt gamma-ray emission during proton radiotherapy. <i>Physics in Medicine and Biology</i> , 2012, 57, 5459-5472.	1.6	85
110	Theoretical dosimetry estimations for radioisotopes produced by proton-induced reactions on natural and enriched molybdenum targets. <i>Physics in Medicine and Biology</i> , 2012, 57, 1499-1515.	1.6	26
111	Excitation functions of deuteron induced reactions on natXe: New data up to 20MeV. <i>Applied Radiation and Isotopes</i> , 2012, 70, 2344-2354.	0.7	4
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119	Excitation function for <sup>7</sup> Be production in carbon by deuteron irradiations up to 50MeV. <i>Applied Radiation and Isotopes</i> , 2012, 70, 911-916.	0.7	4
120	Cross sections of deuteron induced reactions on <sup>45</sup> Sc up to 50MeV: Experiments and comparison with theoretical codes. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 270, 106-115.	0.6	24
121	Activation cross-sections of deuteron induced reactions on natural palladium. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 270, 61-74.	0.6	19
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126	Impact of model defect and experimental uncertainties on evaluated output. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 723, 163-172.	0.7	23





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145	From average parameters to statistical resolved resonances. Annals of Nuclear Energy, 2013, 51, 60-68.	0.9	16
146	Activation cross-sections of longer-lived radioisotopes of deuteron induced nuclear reactions on terbium up to 50MeV. Nuclear Instruments & Methods in Physics Research B, 2013, 316, 183-191.	0.6	6
147	Activation cross-sections of longer lived products of proton induced nuclear reactions on cobalt up to 70MeV. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 853-865.	0.7	10
148	Determination of $\sigma_{n,f}^{241\text{Pu}}$ using the surrogate reaction method. Physical Review C, 2013, 88, .	1.1	18
149	Determination of the $\sigma_{n,f}^{239\text{Np}}$ and $\sigma_{n,f}^{240\text{Np}}$ cross sections using the surrogate reaction method. Physical Review C, 2013, 88, .	1.1	12
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167	Activation cross-sections of deuteron induced reactions on natGd up to 50MeV. <i>Applied Radiation and Isotopes</i> , 2014, 83, 25-35.	0.7	20
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170	Cross-Section Calculations on Several Structural Fusion Materials for ( $^3\text{He},\text{n}$ ) Reactions in the Photon Energy Range of 20–110MeV. <i>Journal of Fusion Energy</i> , 2014, 33, 299-303.	0.5	9
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175	Excitation function of $^3\text{He}$ -particle induced nuclear reactions on natural palladium. <i>Applied Radiation and Isotopes</i> , 2014, 94, 191-199.	0.7	7
176	Nuclear model analysis of excitation functions of proton and deuteron induced reactions on $^{64}\text{Zn}$ and $^3\text{He}$ - and $^1\text{H}$ -particle induced reactions on $^{59}\text{Co}$ leading to the formation of copper-61: Comparison of major production routes. <i>Applied Radiation and Isotopes</i> , 2014, 94, 131-140.	0.7	11
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178	The Activities of the European Consortium on Nuclear Data Development and Analysis for Fusion. <i>Nuclear Data Sheets</i> , 2014, 120, 226-229.	0.7	5
179	EMPIRE: A Reaction Model Code for Nuclear Astrophysics. <i>Nuclear Data Sheets</i> , 2014, 120, 180-183.	0.7	0
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187	Activation cross-sections of deuteron induced reactions on $\text{natSm}$ up to 50 MeV. Nuclear Instruments & Methods in Physics Research B, 2014, 333, 12-26.	0.6	2
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