# Fabiana Gramegna

List of Publications by Year
in descending order



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|---|---|---|---|
| 251 papers | 3,924 citations | 126907 33 h-index | 189892 50 g-index |
| 254 all docs | 254 docs citations | 254 times ranked | 2074 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Negative heat capacity in the critical region of nuclear fragmentation: an experimental evidence of the liquid-gas phase transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 473, 219-225. | 4.1 | 221 |
| 2 | Statistical multifragmentation in central Au + Au collisions at 35 MeV/u. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 371, 175-180. | 4.1 | 115 |
| 3 | New experimental validation of the pulse height weighting technique for capture cross-section measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 521, 454-467. | 1.6 | 101 |
| 4 | The data acquisition system of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 692-702. | 1.6 | 84 |
| 5 | Particle identification using the technique and pulse shape discrimination with the silicon detectors of the FAZIA project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 664, 251-263. | 1.6 | 82 |
| 6 | The n_TOF Total Absorption Calorimeter for neutron capture measurements at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 424-433. | 1.6 | 80 |
| 7 | On the reliability of negative heat capacity measurements. Nuclear Physics A, 2002, 699, 795-818. | 1.5 | 75 |
| 8 | A multi-element detector array for heavy fragments emitted in intermediate energy nuclear reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 325, 458-464. | 1.6 | 72 |
| 9 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>234</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi | 2.9 | 72 |
| 10 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 | 2.9 | 68 |
| 11 | Gamma-ray shielding properties of heavyweight concrete with Electric Arc Furnace slag as aggregate: An experimental and numerical study. Construction and Building Materials, 2019, 200, 188-197. | 7.2 | 65 |
| 12 | The FAZIA project in Europe: R&D phase. European Physical Journal A, 2014, 50, 1. | 2.5 | 63 |
| 13 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Ov | 2.9 | 55 |
| 14 | Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, . | 2.9 | 55 |
| 15 | Measurement of the n_TOF beam profile with a micromegas detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 524, 102-114. | 1.6 | 54 |
| 16 | Reaction mechanisms and staggering in collisions. Nuclear Physics A, 2011, 861, 47-66. | 1.5 | 49 |
| 17 | Circumstantial Evidence for Critical Behavior in PeripheralAu+AuCollisions at 35 MeV/nucleon. Physical Review Letters, 1996, 76, 2646-2649. | 7.8 | 47 |
| 18 | A telescope with microstrip gas chambers for the detection of charged products in heavy-ion reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 389, 474-478. | 1.6 | 46 |

| # | Article | IF | Citations |
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| 19 | Temperature Measurements for CentralAu+AuCollisions at35AMeV. Physical Review Letters, 1997, 78, 1648-1651. | 7.8 | 45 |
| 20 | Progresses in the pulse shape identification with silicon detectors within the FAZIA Collaboration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 272-278. | 1.6 | 45 |
| 21 | GARFIELD + RCo digital upgrade: A modern set-up for mass and charge identification of heavy-ion reaction products. European Physical Journal A, 2013, 49, 1. | 2.5 | 40 |
| 22 | Comparison of charged particle identification using pulse shape discrimination and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0021.gif" overflow="scroll"><mml:mi mathvariant="normal">Î”</mml:mi><mml:mi>E</mml:mi><mml:mo>â^</mml:mo><mml:mi>E</mml:mi></mml:math> methods between front and rear side injection in silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 701, 144-152. | 1.6 | 39 |
| 23 | display="inline"><mml:msup><mml:mrow /><mml:mn>93</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 582 Td (xmlns:mml | 2.9 | 39 |
| 24 | Optical and Scintillation Properties of Polydimethyl-Diphenylsiloxane Based Organic Scintillators. IEEE Transactions on Nuclear Science, 2010, 57, 891-900. | 2.0 | 38 |
| 25 | Thermal source parameters in Au+Au central collisions at 35 A MeV. Nuclear Physics A, 1998, 633, 547-562. | 1.5 | 36 |
| 26 | Doped polysiloxane scintillators for thermal neutrons detection. Journal of Non-Crystalline Solids, 2011, 357, 1921-1925. | 3.1 | 36 |
| 27 | Neutron induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mi mathvariant="normal">nat</mml:mi></mml:mrow></mml:msup></mml:mrow></mml:math>Pb and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" | 2.9 | 36 |
| 28 | X-Ray Fluorescence from the Element with Atomic Number<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mn>120</mml:mn></mml:math>. Physical Review Letters, 2012, 108, 122701. | 7.8 | 36 |
| 29 | Production of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>84</mml:mn></mml:msup></mml:math>Kr+<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>112</mml:mn><mml:mo>,</mml:mo><mml:mn>124</mml:mn></mml:mrow></mml:msup></mml:math>Sn collisions at Fermi energies. Physical Review C, 2013, 87, . | 2.9 | 36 |
| 30 | Status and outlook of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 925-929. | 1.4 | 35 |
| 31 | Novel polysiloxane-based scintillators for neutron detection. Radiation Protection Dosimetry, 2011, 143, 471-476. | 0.8 | 35 |
| 32 | Position sensitive and Bragg curve spectroscopy detector system. Nuclear Instruments & Methods in Physics Research, 1984, 225, 57-64. | 0.9 | 34 |
| 33 | Timeâ€“energy relation of the n_TOF neutron beam: energy standards revisited. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 532, 622-630. | 1.6 | 34 |
| 34 | Multifragment production in Au+Au at 35 MeV/u. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 368, 259-265. | 4.1 | 33 |
| 35 | The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>92</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /O | 2.9 | 33 |
| 36 | Characterization of polysiloxane organic scintillators produced with different phenyl containing blends. Materials Chemistry and Physics, 2013, 137, 951-958. | 4.0 | 33 |

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| 37 | Multifragmentation inEA=35MeV Collisions: Evidence for a Coulomb Driven Breakup?. Physical Review Letters, 1995, 75, 4373-4376. | 7.8 | 32 |
| 38 | Nuclear temperature measurements with helium isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 431, 8-14. | 4.1 | 32 |
| 39 | Fast neutron measurements with 7Li and 6Li enriched CLYC scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 825, 51-61. | 1.6 | 32 |
| 40 | OSCAR: A new modular device for the identification and correlation of low energy particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 227-237. | 1.6 | 32 |
| 41 | xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>62</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /O and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi | 2.9 | 31 |
| 42 | Measurement of the radiative neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>206</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and its astrophysical implications. Physical Review C, 2007, 76, . | 2.9 | 30 |
| 43 | Excitation of the dynamical dipole in the charge asymmetric reaction 16O+116Sn. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 197-202. | 4.1 | 30 |
| 44 | Isotopic identification using Pulse Shape Analysis of current signals from silicon detectors: Recent results from the FAZIA collaboration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 860, 42-50. | 1.6 | 29 |
| 45 | Temperature measurement of fragment emitting systems in Au+Au 35 MeV/nucleon collisions. Physical Review C, 1998, 58, 953-963. | 2.9 | 28 |
| 46 | Measurement of isospin mixing at a finite temperature in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>80</mml:mn></mml:msup></mml:math>Zr via giant dipole resonance decay. Physical Review C, 2011, 84, . | 2.9 | 28 |
| 47 | Influence of crystal-orientation effects on pulse-shape-based identification of heavy-ions stopped in silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 605, 353-358. | 1.6 | 27 |
| 48 | Macroscale and mesoscale analysis of concrete as a multiphase material for biological shields against nuclear radiation. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 518-535. | 3.3 | 27 |
| 49 | Doping of polysiloxane rubbers for the production of organic scintillators. Optical Materials, 2010, 32, 1317-1320. | 3.6 | 26 |
| 50 | Radiation damage evaluation on concrete within a facility for Selective Production of Exotic Species (SPES Project), Italy. Journal of Hazardous Materials, 2011, 194, 169-177. | 12.4 | 26 |
| 51 | Measurement and resonance analysis of the237Np neutron capture cross section. Physical Review C, 2012, 85, . | 2.9 | 26 |
| 52 | Measurement and analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Am</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>243</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, . | 2.9 | 26 |
| 53 | Test of statistical model predictions for alpha-particle decay of90,92,94,96Ru compound nuclei. Physical Review C, 1990, 41, 127-138. | 2.9 | 25 |
| 54 | Critical-like behaviours in central and peripheral collisions: a comparative analysis. Nuclear Physics A, 2003, 724, 455-476. | 1.5 | 25 |

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| 55 | High intensity neutrino oscillation facilities in Europe. Physical Review Special Topics: Accelerators and Beams, 2013, 16, . | 1.8 | 25 |
| 56 | Cross sections and mean angular momenta for 64Ni + 92,96Zr fusion near and below the Coulomb barrier. Nuclear Physics A, 1992, 548, 453-470. | 1.5 | 24 |
| 57 | Radiation hardness of polysiloxane scintillators analyzed by ion beam induced luminescence. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3155-3159. | 1.4 | 24 |
| 58 | Neutron capture on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>94</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Resonance parameters and Maxwellian-averaged cross sections. Physical Review C, 2011, 84, . | 2.9 | 24 |
| 59 | The SPES project at the INFN- Laboratori Nazionali di Legnaro. EPJ Web of Conferences, 2014, 66, 11030. | 0.3 | 24 |
| 60 | High-accuracy determination of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>238</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>/</mml:mo><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>235</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>fission | 2.9 | 24 |
| 61 | Position determination and resolution of two-dimensional position-sensitive solid-state detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 311, 189-194. | 1.6 | 23 |
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| 63 | Radiation damage evaluation on concrete shielding for nuclear physics experiments. Annals of Solid and Structural Mechanics, 2011, 2, 123-142. | 0.5 | 23 |
| 64 | Measurement of resolved resonances of232Th(n,Î³) at the n_TOF facility at CERN. Physical Review C, 2012, 85, . | 2.9 | 23 |
| 65 | Experimental signals of phase transition. Nuclear Physics A, 2004, 734, 512-519. | 1.5 | 22 |
| 66 | NUCLEAR LIQUID-GAS PHASE TRANSITION: EXPERIMENTAL SIGNALS. Nuclear Physics A, 2005, 749, 55-64. | 1.5 | 22 |
| 67 | Production of three nearly equal mass fragments in the Xe + Cu reaction at 45 MeV/u. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 292, 251-256. | 4.1 | 21 |
| 68 | Towards an understanding of staggering effects in dissipative binary collisions. Nuclear Physics A, 2012, 875, 139-159. | 1.5 | 21 |
| 69 | Decay ofEr156compound nucleus. Physical Review C, 1990, 42, 1472-1479. | 2.9 | 20 |
| 70 | Level density of hot nuclei withAâ‰40. Physical Review C, 1991, 44, 2588-2597. | 2.9 | 20 |
| 71 | Searching for the nuclear liquid-gas phase transition in Au+Au collisions at 35 MeV/nucleon. Physical Review C, 1996, 54, 2435-2444. | 2.9 | 20 |
| 72 | The SPES multi-foil direct target. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4257-4260. | 1.4 | 20 |

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| 73 | Spes: An intense source of Neutron-Rich Radioactive Beams at Legnaro. Journal of Physics: Conference Series, 2018, 966, 012028. | 0.4 | 20 |
| 74 | Simultaneous measurement of neutron-induced capture and fission reactions at CERN. European Physical Journal A, 2012, 48, 1. | 2.5 | 19 |
| 75 | Thermal properties of light nuclei from12C +12C fusionâ€“evaporation reactions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 075107. | 3.6 | 19 |
| 76 | Examining the cooling of hot nuclei. Physical Review C, 1998, 57, R462-R465. | 2.9 | 18 |
| 77 | Radiation damage mechanisms in CsI(Tl) studied by ion beam induced luminescence. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2723-2728. | 1.4 | 18 |
| 78 | NandZodd-even staggering in Kr+Sn collisions at Fermi energies. Physical Review C, 2013, 88, . | 2.9 | 18 |
| 79 | Non-statistical decay and Î±-correlations in the12C+12C fusionâ€“evaporation reaction at 95 MeV. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 075108. | 3.6 | 18 |
| 80 | Calculations and first results obtained with a SiC prototype of the SPES direct target. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4289-4293. | 1.4 | 17 |
| 81 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>96</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-clustering effects in dissipative<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>12</mml:mn></mml:msup></mml:math>C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" | 2.9 | 17 |
| 82 | | 2.9 | 17 |
| 83 | The RingCounter (RCo): A high resolution ICâ€“Siâ€“CsI(Tl) device for heavy ion reaction studies at 10â€“30MeV/A. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 556, 516-526. | 1.6 | 16 |
| 84 | Signals of bimodality in the fragmentation of Au quasi-projectiles. Nuclear Physics A, 2008, 807, 48-60. | 1.5 | 16 |
| 85 | Non-toxic liquid scintillators with high light output based on phenyl-substituted siloxanes. Optical Materials, 2015, 42, 111-117. | 3.6 | 16 |
| 86 | The12C* Hoyle state in the inelastic12C +12C reaction and in24Mg* decay. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 045110. | 3.6 | 16 |
| 87 | Sensitivity of two-fragment correlation functions to initial-state momentum correlations. Physical Review C, 1998, 58, 270-280. | 2.9 | 15 |
| 88 | PRE-EQUILIBRIUM EFFECTS IN THE SECONDARY PARTICLE SPECTRA IN THE REACTIONS WITH HEAVY IONS. International Journal of Modern Physics E, 2010, 19, 1134-1140. | 1.0 | 15 |
| 89 | Neutron-induced fission cross-section of 233U in the energy range 0.5 < En < 20 MeV. European Physical Journal A, 2011, 47, 1. | 2.5 | 15 |
| 90 | Quadrupole Transition Strength in theNi74Nucleus and Core Polarization Effects in the Neutron-Rich Ni Isotopes. Physical Review Letters, 2014, 113, 182501. | 7.8 | 15 |

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| 91 | Red Emitting Phenyl-Polysiloxane Based Scintillators for Neutron Detection. IEEE Transactions on Nuclear Science, 2014, 61, 2052-2058. | 2.0 | 15 |
| 92 | Giant dipole resonance built on hot rotating nuclei produced during evaporation of light particles from theMo88compound nucleus. Physical Review C, 2015, 91, . | 2.9 | 15 |
| 93 | Progress in the design and construction of SPES at INFN-LNL. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 402-407. | 1.4 | 15 |
| 94 | Testing the level density of hot nuclei from evaporative charged-particle spectra. Nuclear Physics A, 1994, 578, 285-299. | 1.5 | 14 |
| 95 | Caloric curve and conditional moments: Effects of secondary fragment decay. Physical Review C, 1998, 57, 831-836. | 2.9 | 14 |
| 96 | Measurement of the236U(n,f) cross section from 170 meV to 2 MeV at the CERNn_TOFfacility. Physical Review C, 2011, 84, . | 2.9 | 14 |
| 97 | Neutron-induced fission cross section ofU234measured at the CERN n_TOF facility. Physical Review C, 2014, 89, . | 2.9 | 14 |
| 98 | Synthesis and characterization of lanthanum dicarbide-carbon targets for radioactive ion beams generation via the carbothermal reaction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 256-263. | 1.6 | 13 |
| 99 | Neutron-induced fission cross section of245Cm: New results from data taken at the time-of-flight facility n_TOF. Physical Review C, 2012, 85, . | 2.9 | 13 |
| 100 | Effects of irradiation of energetic heavy ions on digital pulse shape analysis with silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 707, 89-98. | 1.6 | 13 |
| 101 | Measurement of dynamical dipoleÎ³-ray emission in theN/Z-asymmetric fusion reactionO16+Sn116at 12 MeV/nucleon. Physical Review C, 2014, 90, . | 2.9 | 13 |
| 102 | Energy measurement and fragment identification using digital signals from partially depleted Si detectors. European Physical Journal A, 2014, 50, 1. | 2.5 | 13 |
| 103 | Incomplete fusion and cluster production in heavy-ion collisions at 30 MeV/nucleon. Physical Review C, 1992, 45, 317-325. | 2.9 | 12 |
| 104 | The width of the giant dipole resonance built on excited states of Cu compound nuclei. Zeitschrift FÃ¼r Physik A, 1991, 340, 59-62. | 0.9 | 11 |
| 105 | Measurement of the neutron-induced fission cross-section of 243Am relative to 235U from 0.5 to 20 MeV. European Physical Journal A, 2011, 47, 1. | 2.5 | 11 |
| 106 | Novel 3D silicon sensors for neutron detection. Journal of Instrumentation, 2014, 9, C05001-C05001. | 1.2 | 11 |
| 107 | Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Np</mml:mi><mml:mprescripts /><mml:none /><mml:mn>237</mml:mn></mml:mmultiscripts></mml:math>in the keV to MeV range at the CERN n_TOF facility. Physical Review C, 2016, 93, . | 2.9 | 11 |
| 108 | Experimental study of precisely selected evaporation chains in the decay of excited <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>25</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2018, 97, . | 2.9 | 11 |

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| 109 | Automatic procedure for mass and charge identification of light isotopes detected in CsI(Tl) of the GARFIELD apparatus. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 305-313. | 1.6 | 10 |
| 110 | Neutron measurements for advanced nuclear systems: The n_TOF project at CERN. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3251-3257. | 1.4 | 10 |
| 111 | Isospin diffusion in binary collisions of S32+Ca40,48 and S32+Ti48 at 17.7ÂMeV/nucleon. Physical Review C, 2017, 96, . | 2.9 | 10 |
| 112 | Measurement of the 90,91,92,93,94,96Zr(n,Î³) and 139La(n,Î³) cross sections at n_TOF. , 2007, , . | | 10 |
| 113 | Measurement of the neutron-induced fission cross-section of 241Am at the time-of-flight facility n_TOF. European Physical Journal A, 2013, 49, 1. | 2.5 | 9 |
| 114 | Mass, total kinetic energy, and neutron multiplicity correlations in the binary fragmentation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mtext>Ti</mml:mtext><mml:mprescript /><mml:none /><mml:mn>50</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mspace width="0.16em" /><mml:mmultiscripts><mml:mtext>Pb</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>208</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> at 294ÂMeV bombarding ener | 2.9 | 9 |
| 115 | Measurement and analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Am</mml:mi><mml:mprescripts /><mml:none /><mml:mn>241</mml:mn></mml:mmultiscripts></mml:math>neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2018, 97, . | 2.9 | 9 |
| 116 | Study of Photon Strength Function of Actinides: the Case of 235U, 238Np and 241Pu. Journal of the Korean Physical Society, 2011, 59, 1510-1513. | 0.7 | 9 |
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