

Miguel A Cortes-Giraldo

List of Publications by Year in descending order

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Version: 2024-02-01

177
papers

4,414
citations

257101

24
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114278

63
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194
all docs

194
docs citations

194
times ranked

8678
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Report on Geant4Med, a Geant4 benchmarking system for medical physics applications developed by the Geant4 Medical Simulation Benchmarking Group. Medical Physics, 2021, 48, 19-56. | 1.6 | 92 |
| 2 | Implementation of the microdosimetric kinetic model using analytical microdosimetry in a treatment planning system for proton therapy. Physica Medica, 2021, 81, 69-76. | 0.4 | 8 |
| 3 | Radiative Neutron Capture Cross-Section Measurement of Ge Isotopes at n_TOF CERN Facility and Its Importance for Stellar Nucleosynthesis. Acta Physica Polonica A, 2021, 139, 383-388. | 0.2 | 0 |
| 4 | Measurement of the $\sigma_{\text{Ge}}(n, \gamma)$ cross section over a wide neutron energy range at the CERN n_TOF facility. Physical Review C, 2021, 103, . | | |
| 5 | First Results of the $^{140}\text{Ce}(n, \gamma)^{141}\text{Ce}$ Cross-Section Measurement at n_TOF. Universe, 2021, 7, 200. | 0.9 | 4 |
| 6 | Imaging neutron capture cross sections: i-TED proof-of-concept and future prospects based on Machine-Learning techniques. European Physical Journal A, 2021, 57, 1. | 1.0 | 16 |
| 7 | Destruction of the cosmic γ -ray emitter ^{26}Al in massive stars: Study of the key $^{26}\text{Al}(n, \gamma)^{27}\text{Al}$ reaction. Physical Review C, 2021, 104, . | 1.1 | 10 |
| 8 | Destruction of the cosmic γ -ray emitter ^{26}Al in massive stars: Study of the key $^{26}\text{Al}(n, \gamma)^{27}\text{Al}$ reaction. Physical Review C, 2021, 104, . | 1.1 | 6 |
| 9 | Measurement of the $\sigma_{\text{Ge}}(n, \gamma)$ cross section at the n_TOF facility at CERN. Physical Review C, 2021, 104, . | 1.1 | 3 |
| 10 | Microdosimetry and Dose-Averaged LET Calculations of Protons in Liquid Water: A Novel Geant4-DNA Application. Frontiers in Physics, 2021, 9, . | 1.0 | 6 |
| 11 | The PENELOPE Physics Models and Transport Mechanics. Implementation into Geant4. Frontiers in Physics, 2021, 9, . | 1.0 | 8 |
| 12 | Neutron Capture on the ^{26}Al -Process Branching Point $^{26}\text{Al}(n, \gamma)^{27}\text{Al}$ of the ^{26}Al -Process. Frontiers in Physics, 2021, 9, . | 1.1 | 21 |
| 13 | Measurement and analysis of $^{155}\text{Gd}(n, \gamma)^{156}\text{Gd}$ from thermal energy to 1 keV. EPJ Web of Conferences, 2020, 239, 01041. | 0.1 | 0 |
| 14 | Monte Carlo simulations and n-p differential scattering data measured with Proton Recoil Telescopes. EPJ Web of Conferences, 2020, 239, 01024. | 0.1 | 5 |
| 15 | Investigation of the $\sigma_{\text{Pu}}(n, \gamma)$ reaction at the n_TOF/EAR2 facility in the 9 meV to 6 MeV range. Physical Review C, 2020, 102, . | 1.1 | 7 |
| 16 | Simulation of Cosmic Radiation Transport Inside Aircraft for Safety Applications. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3462-3475. | 2.6 | 3 |
| 17 | Neutron capture measurement at the n TOF facility of the ^{204}Tl and ^{205}Tl s-process branching points. Journal of Physics: Conference Series, 2020, 1668, 012005. | 0.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | New reaction rates for the destruction of ${}^7\text{Be}$ during big bang nucleosynthesis measured at CERN/n_TOF and their implications on the cosmological lithium problem. EPJ Web of Conferences, 2020, 239, 07001. | 0.1 | 0 |
| 20 | ${}^{80}\text{Se}(n, \hat{p})$ cross-section measurement at CERN n_TOF. Journal of Physics: Conference Series, 2020, 1668, 012001. | 0.3 | 1 |
| 21 | Review and new concepts for neutron-capture measurements of astrophysical interest. Journal of Physics: Conference Series, 2020, 1668, 012013. | 0.3 | 1 |
| 22 | Measurement of the ${}^{235}\text{U}(n, f)$ cross section at n_TOF from thermal to 170 keV. International Journal of Modern Physics Conference Series, 2020, 50, 2060011. | 0.7 | 0 |
| 23 | A compact fission detector for fission-tagging neutron capture experiments with radioactive fissile isotopes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 163981. | 0.7 | 2 |
| 24 | Experimental validation of an analytical microdosimetric model based on Geant4-DNA simulations by using a silicon-based microdosimeter. Radiation Physics and Chemistry, 2020, 176, 109060. | 1.4 | 5 |
| 25 | A kernel-based algorithm for the spectral fluence of clinical proton beams to calculate dose-averaged LET and other dosimetric quantities of interest. Medical Physics, 2020, 47, 2495-2505. | 1.6 | 11 |
| 26 | On the concepts of dose-mean lineal energy, unrestricted and restricted dose-averaged LET in proton therapy. Physics in Medicine and Biology, 2020, 65, 075011. | 1.6 | 13 |
| 27 | Measurement of the ${}^{154}\text{Gd}(n, \hat{p})$ cross section and its astrophysical implications. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135405. | 1.5 | 12 |
| 28 | Preparation of a radiobiology beam line at the 18 MeV proton cyclotron facility at CNA. Physica Medica, 2020, 74, 19-29. | 0.4 | 8 |
| 29 | Preliminary results on the ${}^{233}\text{U}$ \hat{p} -ratio measurement at n_TOF. EPJ Web of Conferences, 2020, 239, 01043. | 0.1 | 2 |
| 30 | Status and perspectives of the neutron time-of-flight facility n_TOF at CERN. EPJ Web of Conferences, 2020, 239, 17001. | 0.1 | 3 |
| 31 | An Analytical Microdosimetric Model for Radioimmunotherapeutic Alpha Emitters. Radiation Research, 2020, 194, 403-410. | 0.7 | 9 |
| 32 | First results of the ${}^{230}\text{Th}(n, f)$ cross section measurements at the CERN n_TOF facility. EPJ Web of Conferences, 2020, 239, 05004. | 0.1 | 0 |
| 33 | Measurement of the ${}^{242}\text{Pu}(n, \hat{p})$ cross section from thermal to 500 keV at the Budapest research reactor and CERN n_TOF-EAR1 facilities. EPJ Web of Conferences, 2020, 239, 01019. | 0.1 | 0 |
| 34 | Study of the neutron-induced fission cross section of ${}^{237}\text{Np}$ at CERN's n_TOF facility over a wide energy range. EPJ Web of Conferences, 2020, 239, 05006. | 0.1 | 0 |
| 35 | The ${}^{154}\text{Gd}$ neutron capture cross section measured at the n_TOF facility and its astrophysical implications. EPJ Web of Conferences, 2020, 239, 07003. | 0.1 | 0 |
| 36 | Study of photon strength functions of ${}^{241}\text{Pu}$ and ${}^{245}\text{Cm}$ from neutron capture measurements. EPJ Web of Conferences, 2020, 239, 01015. | 0.1 | 2 |

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|----|---|-----|-----------|
| 37 | Measurement of the energy-differential cross-section of the $^{12}\text{C}(n,p)^{12}\text{B}$ and $^{12}\text{C}(n,d)^{11}\text{B}$ reactions at the n_TOF facility at CERN. EPJ Web of Conferences, 2020, 239, 01045. | 0.1 | 0 |
| 38 | First results of the $^{241}\text{Am}(n,f)$ cross section measurement at the Experimental Area 2 of the n_TOF facility at CERN. EPJ Web of Conferences, 2020, 239, 05014. | 0.1 | 0 |
| 39 | Measurement of the ^{244}Cm capture cross sections at both CERN n_TOF experimental areas. EPJ Web of Conferences, 2020, 239, 01034. | 0.1 | 4 |
| 40 | Setup for the measurement of the $^{235}\text{U}(n, f)$ cross section relative to n-p scattering up to 1 GeV. EPJ Web of Conferences, 2020, 239, 01008. | 0.1 | 4 |
| 41 | Neutron capture cross section measurements of ^{241}Am at the n_TOF facility. EPJ Web of Conferences, 2020, 239, 01009. | 0.1 | 2 |
| 42 | Characterizing Radiation Effectiveness in Ion-Beam Therapy Part II: Microdosimetric Detectors. Frontiers in Physics, 2020, 8, . | 1.0 | 6 |
| 43 | Fission program at n_TOF. EPJ Web of Conferences, 2019, 211, 03006. | 0.1 | 1 |
| 44 | Measurement of the ^{244}Cm and ^{246}Cm neutron-induced capture cross sections at the n_TOF facility. EPJ Web of Conferences, 2019, 211, 03008. | 0.1 | 3 |
| 45 | Measurement of the $^{235}\text{U}(n, f)$ cross section relative to the $^6\text{Li}(n, t)$ and $^{10}\text{B}(n, \alpha)$ standards from thermal to 170 keV neutron energy range at n_TOF. European Physical Journal A, 2019, 55, 1. | 1.0 | 20 |
| 46 | Calculation of clinical dose distributions in proton therapy from microdosimetry. Medical Physics, 2019, 46, 5816-5823. | 1.6 | 8 |
| 47 | Measurement of the ^{70}Ge cross section up to 300 keV at the CERN n_TOF facility. Physical Review C, 2019, 100, . | 1.1 | 13 |
| 48 | Study of the photon strength functions and level density in the gamma decay of the n + ^{234}U reaction. EPJ Web of Conferences, 2019, 211, 02002. | 0.1 | 2 |
| 49 | Preliminary results on the ^{233}U capture cross section and alpha ratio measured at n_TOF (CERN) with the fission tagging technique. EPJ Web of Conferences, 2019, 211, 03007. | 0.1 | 3 |
| 50 | EP-1696 Microdosimetry assessment in cyclotron proton beamline with new 3D-microdetectors. Radiotherapy and Oncology, 2019, 133, S912-S913. | 0.3 | 0 |
| 51 | Cross section measurements of $^{155,157}\text{Gd}(n, \gamma)$ induced by thermal and epithermal neutrons. European Physical Journal A, 2019, 55, 1. | 1.0 | 23 |
| 52 | Parameterising microdosimetric distributions of mono-energetic proton beams for fast estimates of $\langle D \rangle$ and $\langle y^* \rangle$. Biomedical Physics and Engineering Express, 2019, 5, 045014. | 0.6 | 7 |
| 53 | Segment-averaged LET concept and analytical calculation from microdosimetric quantities in proton radiation therapy. Medical Physics, 2019, 46, 4204-4214. | 1.6 | 20 |
| 54 | Dose-averaged LET calculation for proton track segments using microdosimetric Monte Carlo simulations. Medical Physics, 2019, 46, 4184-4192. | 1.6 | 18 |

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|----|---|-----|-----------|
| 55 | EBT3 film calibration in the Bragg peak region for proton beams below 5 MeV. Nuclear Instruments & Methods in Physics Research B, 2019, 444, 117-124. | 0.6 | 6 |
| 56 | Measurement of $^{73}\text{Ge}(n,\hat{p}^3)$ cross sections and implications for stellar nucleosynthesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 458-465. | 1.5 | 11 |
| 57 | Measurement of the ^{244}Cm and ^{246}Cm Neutron-Induced Cross Sections at the n_TOF Facility. Springer Proceedings in Physics, 2019, , 117-122. | 0.1 | 0 |
| 58 | Data for the s Process from n_TOF. Springer Proceedings in Physics, 2019, , 63-70. | 0.1 | 1 |
| 59 | Characterization and First Test of an i-TED Prototype at CERN n_TOF. Springer Proceedings in Physics, 2019, , 169-173. | 0.1 | 0 |
| 60 | Development of a New Radiobiology Beam Line for the Study of Proton RBE at the 18 MeV Proton Cyclotron Facility at CNA. Springer Proceedings in Physics, 2019, , 175-176. | 0.1 | 0 |
| 61 | Bayesian Reconstruction of Axial Dose Maps Using the Measurements of a Novel Detection System for Verification of Advanced Radiotherapy Treatments. Springer Proceedings in Physics, 2019, , 131-132. | 0.1 | 0 |
| 62 | $^{7}\text{Be}(n,p)^{6}\text{Li}$ Cross Section Measurement for the Cosmological Lithium Problem at the n_TOF Facility at CERN. Springer Proceedings in Physics, 2019, , 25-32. | 0.1 | 0 |
| 63 | Preparation and characterization of ^{241}Am samples for $^{241}\text{Am}(n,\hat{p}^3)^{240}\text{Pu}$ neutron capture cross section at the n_TOF facility at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 890, 142-147. | 0.7 | 2 |
| 64 | Radiative neutron capture on ^{242}Pu in the resonance region at the CERN n_TOF-EAR1 facility. Physical Review C, 2018, 97, . | 1.1 | 21 |
| 65 | Experimental setup and procedure for the measurement of the $^{7}\text{Be}(n,p)^{6}\text{Li}$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 27-33. | 0.7 | 14 |
| 66 | Analysis of the angular distribution of cosmic-ray-induced particles in the atmosphere based on Monte Carlo simulations including the influence of the Earth's magnetic field. Astroparticle Physics, 2018, 97, 106-117. | 1.9 | 5 |
| 67 | Measurement of the radiative capture cross section of the s-process branching points ^{204}Tl and ^{171}Tm at the n_TOF facility (CERN). EPJ Web of Conferences, 2018, 178, 03004. | 0.1 | 1 |
| 68 | First Measurement of $^{72}\text{Ge}(n,\hat{p}^3)$ at n_TOF. EPJ Web of Conferences, 2018, 184, 02005. | 0.1 | 0 |
| 69 | Feasibility Study of a Proton Irradiation Facility for Radiobiological Measurements at an 18 MeV Cyclotron. Instruments, 2018, 2, 26. | 0.8 | 10 |
| 70 | Measurement and analysis of the $^{241}\text{Am}(n,\hat{p}^3)^{240}\text{Pu}$ neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2018, 97, . | 1.1 | 9 |
| 71 | Measurement and resonance analysis of the $^{7}\text{Be}(n,p)^{6}\text{Li}$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 27-33. | 2.9 | 58 |
| 72 | Measurement and resonance analysis of the $^{241}\text{Am}(n,\hat{p}^3)^{240}\text{Pu}$ neutron capture cross section at the CERN n_TOF facility in the ener. Physical Review C, 2018, 97, . | 1.1 | 8 |

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|----|--|-----|-----------|
| 73 | Fragmentation of 120 and 200 MeV $u^{A=1}$ $^{A=4}$ He ions in water and PMMA targets. <i>Physics in Medicine and Biology</i> , 2017, 62, 1310-1326. | 1.6 | 29 |
| 74 | LabVIEW-based control and acquisition system for the dosimetric characterization of a silicon strip detector. <i>Review of Scientific Instruments</i> , 2017, 88, 025104. | 0.6 | 3 |
| 75 | Neutron spectroscopy of ^{26}Mg states: Constraining the stellar neutron source $^{22}\text{Ne}(\hat{n},n)^{25}\text{Mg}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 768, 1-6. | 1.5 | 32 |
| 76 | Dosimetric impact assessment using a general algorithm in geant4 simulations for a complex-shaped multileaf collimator. <i>Physica Medica</i> , 2017, 41, 39-45. | 0.4 | 6 |
| 77 | Neutron capture cross section measurement of ^{238}U at the CERN n_TOF facility in the energy region from 1 eV to 700 keV. <i>Physical Review C</i> , 2017, 95, . | 1.1 | 12 |
| 78 | Extensive air shower Monte Carlo modeling at the ground and aircraft flight altitude in the South Atlantic Magnetic Anomaly and comparison with neutron measurements. <i>Astroparticle Physics</i> , 2017, 88, 17-29. | 1.9 | 6 |
| 79 | High-accuracy determination of the neutron flux in the new experimental area n_TOF-EAR2 at CERN. <i>European Physical Journal A</i> , 2017, 53, 1. | 1.0 | 41 |
| 80 | Abstract ID: 196 Relation between dose average linear energy transfer and dose mean lineal energy calculated for proton therapy beams off axis: A study with the Geant4 toolkit.. <i>Physica Medica</i> , 2017, 42, 42-43. | 0.4 | 2 |
| 81 | Abstract ID: 200 Evaluation of key parameters for non-small cell lung cancer treatments using Geant4 as benchmark dose calculation algorithm. <i>Physica Medica</i> , 2017, 42, 43-44. | 0.4 | 0 |
| 82 | Monte carlo simulations of the n_TOF lead spallation target with the Geant4 toolkit: A benchmark study. <i>EPJ Web of Conferences</i> , 2017, 146, 03030. | 0.1 | 0 |
| 83 | Simulation of the response of a PIPS detector using GEANT4 code. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 875, 21-26. | 0.7 | 5 |
| 84 | PO-0791: Determination of water mean ionization potential for Geant4 simulations of therapeutical ion beams. <i>Radiotherapy and Oncology</i> , 2017, 123, S420-S421. | 0.3 | 0 |
| 85 | PO-0803: CloudMC, a Cloud Computing application for fast Monte Carlo treatment verification. <i>Radiotherapy and Oncology</i> , 2017, 123, S428-S429. | 0.3 | 0 |
| 86 | Measurement of the $^{238}\text{U}(n,\hat{n}^3)$ cross section up to 80 keV with the Total Absorption Calorimeter at the CERN n_TOF facility. <i>Physical Review C</i> , 2017, 96, . | 1.1 | 8 |
| 87 | On the role of secondary pions in spallation targets. <i>European Physical Journal A</i> , 2017, 53, 1. | 1.0 | 13 |
| 88 | Neutron Capture Cross Sections of the s-Process Branching Points ^{147}Pm , ^{171}Tm , and ^{204}Tl . , 2017, , . | | 2 |
| 89 | The Nuclear Astrophysics program at n_TOF (CERN). <i>EPJ Web of Conferences</i> , 2017, 165, 01014. | 0.1 | 1 |
| 90 | $^{7}\text{Be}(n,\hat{n}^{\pm})$ and $^{7}\text{Be}(n,p)$ cross-section measurement for the cosmological lithium problem at the n_TOF facility at CERN. <i>EPJ Web of Conferences</i> , 2017, 146, 01012. | 0.1 | 1 |

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|-----|--|-----|-----------|
| 91 | The ^{236}U neutron capture cross-section measured at the n_TOF CERN facility. EPJ Web of Conferences, 2017, 146, 11054. | 0.1 | 1 |
| 92 | Characterization of the n_TOF EAR-2 neutron beam. EPJ Web of Conferences, 2017, 146, 03020. | 0.1 | 1 |
| 93 | High accuracy $^{234}\text{U}(n,f)$ cross section in the resonance energy region. EPJ Web of Conferences, 2017, 146, 04057. | 0.1 | 1 |
| 94 | The measurement programme at the neutron time-of-flight facility n_TOF at CERN. EPJ Web of Conferences, 2017, 146, 11002. | 0.1 | 2 |
| 95 | New measurement of the $^{242}\text{Pu}(n,\hat{f}^3)$ cross section at n_TOF-EAR1 for MOX fuels: Preliminary results in the RRR. EPJ Web of Conferences, 2017, 146, 11045. | 0.1 | 1 |
| 96 | The n_TOF facility: Neutron beams for challenging future measurements at CERN. EPJ Web of Conferences, 2017, 146, 03001. | 0.1 | 1 |
| 97 | Dissemination of data measured at the CERN n_TOF facility. EPJ Web of Conferences, 2017, 146, 07002. | 0.1 | 3 |
| 98 | High precision measurement of the radiative capture cross section of ^{238}U at the n_TOF CERN facility. EPJ Web of Conferences, 2017, 146, 11028. | 0.1 | 0 |
| 99 | Time-of-flight and activation experiments on ^{147}Pm and ^{171}Tm for astrophysics. EPJ Web of Conferences, 2017, 146, 01007. | 0.1 | 0 |
| 100 | The $^{33}\text{S}(n,\hat{f}^3)^{30}\text{Si}$ cross section measurement at n_TOF-EAR2 (CERN): From 0.01 eV to the resonance region. EPJ Web of Conferences, 2017, 146, 08004. | 0.1 | 3 |
| 101 | Measurement of the $^{240}\text{Pu}(n,f)$ cross-section at the CERN n_TOF facility: First results from experimental area II (EAR-2). EPJ Web of Conferences, 2017, 146, 04030. | 0.1 | 6 |
| 102 | Measurement of the neutron capture cross section of the fissile isotope ^{235}U with the CERN n_TOF total absorption calorimeter and a fission tagging based on micromegas detectors. EPJ Web of Conferences, 2017, 146, 11021. | 0.1 | 7 |
| 103 | Measurement of the ^{241}Am neutron capture cross section at the n_TOF facility at CERN. EPJ Web of Conferences, 2017, 146, 11022. | 0.1 | 1 |
| 104 | Recent Results In Nuclear Astrophysics At The n-TOF Facility At CERN. , 2017, , . | | 0 |
| 105 | New measurement of the $^{242}\text{Pu}(n,\hat{f}^3)$ cross section at n_TOF. EPJ Web of Conferences, 2016, 111, 02005. | 0.1 | 4 |
| 106 | The CERN n_TOF facility: a unique tool for nuclear data measurement. EPJ Web of Conferences, 2016, 122, 05001. | 0.1 | 3 |
| 107 | Towards the high-accuracy determination of the ^{238}U fission cross section at the threshold region at CERN n_TOF. EPJ Web of Conferences, 2016, 111, 02002. | 0.1 | 2 |
| 108 | Experiments with neutron beams for the astrophysical s -process. Journal of Physics: Conference Series, 2016, 665, 012020. | 0.3 | 2 |

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|-----|---|-----|-----------|
| 109 | Recent developments in Geant4. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 835, 186-225. | 0.7 | 2,327 |
| 110 | Nuclear data activities at the n_TOF facility at CERN. European Physical Journal Plus, 2016, 131, 1. http://www.ojs.org/1998/Math/MathML | 1.2 | 26 |
| 111 | $\frac{1}{7} \int_{-\infty}^{\infty} \delta(x) dx$ | 2.9 | 94 |
| 112 | Measurement of fragmentation cross sections of ^{12}C ions on a thin gold target with the FIRST apparatus. Physical Review C, 2016, 93, . | 1.1 | 20 |
| 113 | Fission Fragment Angular Distribution measurements of ^{235}U and ^{238}U at CERN n_TOF facility. EPJ Web of Conferences, 2016, 111, 10002. | 0.1 | 14 |
| 114 | Geant4 simulation of the n_TOF-EAR2 neutron beam: Characteristics and prospects. European Physical Journal A, 2016, 52, 1. | 1.0 | 15 |
| 115 | Integral measurement of the $^{12}\text{C}(n, p)^{12}\text{B}$ reaction up to 10 GeV. European Physical Journal A, 2016, 52, 1. | 1.0 | 9 |
| 116 | Experimental setup and procedure for the measurement of the $^7\text{Be}(n, \alpha)^4\text{He}$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 197-205. | 0.7 | 21 |
| 117 | Analytical calculation of proton linear energy transfer in voxelized geometries including secondary protons. Physics in Medicine and Biology, 2016, 61, 1705-1721. | 1.6 | 27 |
| 118 | Dosimetric response of radiochromic films to protons of low energies in the Bragg peak region. Physical Review Accelerators and Beams, 2016, 19, . | 0.6 | 15 |
| 119 | First Approach to the Noise Analysis of a Dual Silicon Strip Detector in a System to Verify Radiotherapy Treatments. Springer Proceedings in Physics, 2016, , 217-218. | 0.1 | 0 |
| 120 | Geant4 Simulations for the Analysis of (n, γ) Measurements at n_TOF. Springer Proceedings in Physics, 2016, , 209-210. | 0.1 | 0 |
| 121 | 3D cylindrical silicon microdosimeters: fabrication, simulation and charge collection study. Journal of Instrumentation, 2015, 10, P10001-P10001. | 0.5 | 20 |
| 122 | Silicon-based three-dimensional microstructures for radiation dosimetry in hadrontherapy. Applied Physics Letters, 2015, 107, . | 1.5 | 17 |
| 123 | Progress in Geant4 Electromagnetic Physics Modelling and Validation. Journal of Physics: Conference Series, 2015, 664, 072021. | 0.3 | 13 |
| 124 | Determination of the cosmic-ray-induced neutron flux and ambient dose equivalent at flight altitude. Journal of Physics: Conference Series, 2015, 630, 012022. | 0.3 | 2 |
| 125 | Experimental neutron capture data of ^{58}Ni from the CERN n_TOF facility. EPJ Web of Conferences, 2015, 93, 02009. | 0.1 | 0 |
| 126 | GEANT4 simulations of the n_TOF spallation source and their benchmarking. European Physical Journal A, 2015, 51, 1. | 1.0 | 24 |

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|-----|--|-----|-----------|
| 127 | A critical study of different Monte Carlo scoring methods of dose average linear-energy-transfer maps calculated in voxelized geometries irradiated with clinical proton beams. Physics in Medicine and Biology, 2015, 60, 2645-2669. | 1.6 | 91 |
| 128 | High-accuracy determination of the ^{238}U fission cross section at the CERN n_TOF facility design and outlook on the performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 799, 90-98. | 1.1 | 24 |
| 129 | The new vertical neutron beam line at the CERN n_TOF facility design and outlook on the performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 799, 90-98. | 0.7 | 82 |
| 130 | The nucleosynthesis of heavy elements in Stars: the key isotope ^{25}Mg . EPJ Web of Conferences, 2014, 66, 07016. | 0.1 | 1 |
| 131 | Measurements of neutron cross sections for advanced nuclear energy systems at n_TOF (CERN). EPJ Web of Conferences, 2014, 66, 10001. | 0.1 | 2 |
| 132 | Neutron cross-sections for advanced nuclear systems: the n_TOF project at CERN. EPJ Web of Conferences, 2014, 79, 01003. | 0.1 | 0 |
| 133 | $^{238}\text{U}(n,\hat{\beta}^3)$ reaction cross section measurement with C6D6 detectors at the n_TOF CERN facility.. EPJ Web of Conferences, 2014, 66, 03061. | 0.1 | 1 |
| 134 | Experimental neutron capture data of ^{58}Ni from the CERN n_TOF facility. Physical Review C, 2014, 89, . | 1.1 | 28 |
| 135 | Measurement of the ^{62}Ni cross section at n_TOF at CERN by in-beam activation analysis. Physical Review C, 2014, 89, . | 1.1 | 31 |
| 136 | Measurement of the $^{12}\text{C}(n,p)^{12}\text{B}$ cross section at n_TOF at CERN by in-beam activation analysis. Physical Review C, 2014, 90, . | 1.1 | 14 |
| 137 | Influence of clouds on the cosmic radiation dose rate on aircraft. Radiation Protection Dosimetry, 2014, 161, 279-283. | 0.4 | 1 |
| 138 | Measurement and analysis of the ^{241}Am cross section at the CERN n_TOF facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 34-40. | 0.7 | 28 |
| 139 | Measurement of the angular distribution of fission fragments using a PPAC assembly at CERN n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 743, 79-85. | 0.7 | 28 |
| 140 | Neutron Capture Reactions on Fe and Ni Isotopes for the Astrophysical s-process. Nuclear Data Sheets, 2014, 120, 201-204. | 0.7 | 2 |
| 141 | The $(n, \hat{\beta}^{\pm})$ Reaction in the s-process Branching Point ^{59}Ni . Nuclear Data Sheets, 2014, 120, 208-210. | 0.7 | 14 |
| 142 | Performance of the reconstruction algorithms of the FIRST experiment pixel sensors vertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 34-40. | 0.7 | 13 |
| 143 | GEANT4 simulation of the neutron background of the C6D6 set-up for capture studies at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 760, 57-67. | 0.7 | 31 |
| 144 | SU-E-T-78: Comparison of Dose-Averaged Linear Energy Transfer Calculation Methods Used in Monte Carlo Simulations of Clinical Proton Beams. Medical Physics, 2014, 41, 240-240. | 1.6 | 0 |

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|-----|--|-----|-----------|
| 145 | Novel dual single sided silicon strip detector chip for radiotherapy verification. , 2014, , . | | 1 |
| 146 | High-accuracy determination of the neutron flux at n_TOF. European Physical Journal A, 2013, 49, 1. | 1.0 | 71 |
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