Marco La Cognata

List of Publications by Citations

238 papers	3,331 citations	38 h-index	50 g-index
323 ext. papers	3,963 ext. citations	2.2 avg, IF	4.73 L-index

#	Paper	IF	Citations
238	Indirect techniques in nuclear astrophysics: a review. *Reports on Progress in Physics*, **2014**, 77, 106901	14.4	139
237	DEEP MIXING IN EVOLVED STARS. I. THE EFFECT OF REACTION RATE REVISIONS FROM C TO Al. *Astrophysical Journal*, **2011**, 729, 3	4.7	98
236	The B11(p,θ)Be8 reaction at sub-Coulomb energies via the Trojan-horse method. *Physical Review C* , **2004**, 69,	2.7	93
235	THE FLUORINE DESTRUCTION IN STARS: FIRST EXPERIMENTAL STUDY OF THE 19 F(p , θ) 16 O REACTION AT ASTROPHYSICAL ENERGIES. *Astrophysical Journal Letters*, **2011**, 739, L54	7.9	74
234	An increase in the C + C fusion rate from resonances at astrophysical energies. *Nature*, **2018**, 557, 687-690	50.4	74
233	The Trojan Horse Method in nuclear astrophysics. *Physics of Atomic Nuclei*, **2011**, 74, 1725-1739	0.4	72
232	A NOVEL APPROACH TO MEASURE THE CROSS SECTION OF THE18O(p, α)15N RESONANT REACTION IN THE 0-200 keV ENERGY RANGE. *Astrophysical Journal*, **2010**, 708, 796-811	4.7	66
231	BIG BANG NUCLEOSYNTHESIS REVISITED VIA TROJAN HORSE METHOD MEASUREMENTS. *Astrophysical Journal*, **2014**, 786, 112	4.7	65
230	Measurement of the 20 and 90 keV resonances in the 18O(p,alpha)15N reaction via the Trojan horse method. *Physical Review Letters*, **2008**, 101, 152501	7.4	59
229	Bare-nucleus astrophysical factor of the He3(d,p)He4 reaction via the "Trojan horse" method. *Physical Review C*, **2005**, 72,	2.7	59
228	Astrophysical S(E) factor of the N15(p,α)C12 reaction at sub-Coulomb energies via the Trojan horse method. *Physical Review C*, **2007**, 76,	2.7	57
227	New high accuracy measurement of the O17(p,α)N14 reaction rate at astrophysical temperatures. *Physical Review C*, **2010**, 82,	2.7	56
226	NEW DETERMINATION OF THE2H(d,p)3H AND2H(d,n)3He REACTION RATES AT ASTROPHYSICAL ENERGIES. *Astrophysical Journal*, **2014**, 785, 96	4.7	55
225	Nuclear astrophysics and the Trojan Horse Method. *European Physical Journal A*, **2016**, 52, 1	2.5	55
224	First application of the Trojan horse method with a radioactive ion beam: Study of the 18F(p,α)15O reaction at astrophysical energies. *Physical Review C*, **2015**, 92,	2.7	54
223	AN UPDATED6Li(p, α)3He REACTION RATE AT ASTROPHYSICAL ENERGIES WITH THE TROJAN HORSE METHOD. *Astrophysical Journal*, **2013**, 768, 65	4.7	54
222	ON THE NEED FOR DEEP-MIXING IN ASYMPTOTIC GIANT BRANCH STARS OF LOW MASS. *Astrophysical Journal Letters*, **2010**, 717, L47-L51	7.9	52

221	Suppression of the Coulomb interaction in the off-energy-shell p - p scattering from the p + d --> p + p + n reaction. *Physical Review Letters*, **2007**, 98, 252502	7.4	51
220	Trojan Horse as an indirect technique in nuclear astrophysics. *Journal of Physics G: Nuclear and Particle Physics*, **2008**, 35, 014016	2.9	50
219	Perspectives for photonuclear research at the Extreme Light Infrastructure - Nuclear Physics (ELI-NP) facility. *European Physical Journal A*, **2015**, 51, 1	2.5	49
218	Recent evaluation of the7Li(p,4He reaction rate at astrophysical energies via the Trojan Horse method. *Astronomy and Astrophysics*, **2012**, 541, A158	5.1	49
217	Influence of the d-state component of the deuteron wave function on the application of the Trojan horse method. *Physical Review C*, **2012**, 85,	2.7	46
216	ON THE MEASUREMENT OF THE13C(n)16OS-FACTOR AT NEGATIVE ENERGIES AND ITS INFLUENCE ON THEs-PROCESS. *Astrophysical Journal*, **2013**, 777, 143	4.7	46
215	Trojan horse particle invariance studied with the Li6(d,He4 and Li7(p,He4 reactions. *Physical Review C*, **2011**, 83,	2.7	45
214	New astrophysical S factor for the N15(p,O16 reaction via the asymptotic normalization coefficient (ANC) method. *Physical Review C*, **2008**, 78,	2.7	45
213	New measurement of the11B(p,)8Be bare-nucleusS(E) factor via the Trojan horse method. *Journal of Physics G: Nuclear and Particle Physics*, **2012**, 39, 015106	2.9	44
212	Effects of distortion of the intercluster motion in H2, He3, H3, Li6, and Be9 on Trojan horse applications. *Physical Review C*, **2009**, 80,	2.7	44
211	High-Precision Probe of the Fully Sequential Decay Width of the Hoyle State in ^{12}C. *Physical Review Letters*, **2017**, 119, 132501	7.4	43
210	New Improved Indirect Measurement of the19F(p,16O Reaction at Energies of Astrophysical Relevance. *Astrophysical Journal*, **2017**, 845, 19	4.7	42
209	Suppression of the centrifugal barrier effects in the off-energy-shell neutron +17O interaction. *Physical Review C*, **2013**, 87,	2.7	42
208	Study of the6Li(n,3H reaction via the2H quasi-free break-up. *Journal of Physics G: Nuclear and Particle Physics*, **2010**, 37, 125105	2.9	42
207	Quasi-free 6Li(n,3H reaction at low energy from 2H break-up. *European Physical Journal A*, **2005**, 25, 649-650	2.5	41
206	Influence of the motion in Li6 on Trojan horse applications. *Physical Review C*, **2005**, 71,	2.7	41
205	Measurement of the 10 keV resonance in the B10(p,)Be7 reaction via the Trojan Horse method. *Physical Review C*, **2014**, 90,	2.7	40
204	EFFECT OF HIGH-ENERGY RESONANCES ON THE18O(p,15N REACTION RATE AT AGB AND POST-AGB RELEVANT TEMPERATURES. *Astrophysical Journal*, **2010**, 723, 1512-1522	4.7	40

203	THE RGB AND AGB STAR NUCLEOSYNTHESIS IN LIGHT OF THE RECENT17O(p,)14N AND18O(p,)15N REACTION-RATE DETERMINATIONS. *Astrophysical Journal*, **2013**, 764, 128	4.7	38
202	Measurement of the -3 keV resonance in the reaction 13C( )16O of importance in the s-process. *Physical Review Letters*, **2012**, 109, 232701	7.4	38
201	Validity test of the Trojan Horse Method applied to the 7Li + p -> + reaction via the 3He break-up. *European Physical Journal A*, **2006**, 27, 243-248	2.5	38
200	Trojan Horse measurement of the 18F(p,(alpha))15O astrophysical S(E)-factor. *European Physical Journal A*, **2016**, 52, 1	2.5	36
199	Improved determination of the astrophysical S(0) factor of the N15(p,)C12 reaction. *Physical Review C*, **2009**, 80,	2.7	36
198	Low-energy . *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2011**, 700, 111-115	4.2	36
197	Boron depletion: indirect measurement of the 10B(p,)7Be S(E)-factor. *Nuclear Physics A*, **2007**, 787, 309-314	1.3	36
196	Study of the 9Be(p,)6Li reaction via the Trojan Horse Method. *European Physical Journal A*, **2006**, 27, 221-225	2.5	36
195	Measurement of cross section and astrophysical factor of the d(d,p)t reaction using the Trojan Horse Method. *Nuclear Physics A*, **2005**, 758, 146-149	1.3	36
194	Updated evidence of the Trojan horse particle invariance for the 2H(d,p)3H reaction. *Physical Review C*, **2013**, 87,	2.7	35
193	UPDATED THM ASTROPHYSICAL FACTOR OF THE $^{19}{rm F}{{(p,alpha)}^{16}}{rm O}$ REACTION AND INFLUENCE OF NEW DIRECT DATA AT ASTROPHYSICAL ENERGIES. *Astrophysical Journal*, **2015**, 805, 128	4.7	33
192	Off-energy-shell p scattering at sub-Coulomb energies via the Trojan horse method. *Physical Review C*, **2008**, 78,	2.7	33
191	Toward a reassessment of the 19F(p,)16O reaction rate at astrophysical temperatures. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2015**, 748, 178-182	4.2	32
190	First Measurement of the19F(p)22Ne Reaction at Energies of Astrophysical Relevance. *Astrophysical Journal*, **2017**, 836, 57	4.7	29
189	Erratum to low-energy d+d fusion reactions via the Trojan Horse Method [Phys. Lett. B 700 (2) (2011) 111]. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2011**, 705, 546	4.2	29
188	The Importance of the 13C( )16O Reaction in Asymptotic Giant Branch Stars. *Astrophysical Journal*, **2018**, 859, 105	4.7	28
187	Cross-section Measurement of the Cosmologically Relevant 7Be(n,)4He Reaction over a Broad Energy Range in a Single Experiment. *Astrophysical Journal*, **2019**, 879, 23	4.7	28
186	Improvement of the high-accuracy O17(p,)N14 reaction-rate measurement via the Trojan Horse method for application to O17 nucleosynthesis. *Physical Review C*, **2015**, 91,	2.7	28

185	On the Determination of the7Be(n,4He Reaction Cross Section at BBN Energies. *Astrophysical Journal*, **2017**, 850, 175	4.7	26
184	A Trojan Horse Approach to the Production of18F in Novae. *Astrophysical Journal*, **2017**, 846, 65	4.7	25
183	Molecular structures in T=1 states of 10B. *Physical Review C*, **2011**, 84,	2.7	25
182	Concurrent Application of ANC and THM to assess the13C(n)16O Absolute Cross Section at Astrophysical Energies and Possible Consequences for Neutron Production in Low-mass AGB Stars. *Astrophysical Journal*, **2017**, 837, 41	4.7	24
181	Assessing the near threshold cross section of the O17(n,C14 reaction by means of the Trojan horse method. *Physical Review C*, **2017**, 95,	2.7	23
180	Astrophysics studies with the Trojan Horse Method. *European Physical Journal A*, **2019**, 55, 1	2.5	23
179	Measurement of the B10(p,)Be7 cross section from 5 keV to 1.5 MeV in a single experiment using the Trojan horse method. *Physical Review C*, **2017**, 95,	2.7	22
178	New Advances in the Trojan Horse Method as an Indirect Approach to Nuclear Astrophysics. *Few-Body Systems*, **2013**, 54, 745-753	1.6	22
177	New investigations of the10B(p,${alpha }_{0}$)7Be reaction at bombarding energies between 0.6 and 1 MeV. *Journal of Physics G: Nuclear and Particle Physics*, **2016**, 43, 045109	2.9	22
176	Indirect measurement of the 15N(p,12C reaction cross section through the Trojan-Horse Method. *European Physical Journal A*, **2006**, 27, 249-254	2.5	21
175	The 19F(p)22Ne Reaction at Energies of Astrophysical Relevance by Means of the Trojan Horse Method and Its Implications in AGB Stars. *Astrophysical Journal*, **2018**, 860, 61	4.7	18
174	Astrophysical S factor for the N15(p,O16 reaction. *Physical Review C*, **2011**, 83,	2.7	18
173	Indirect measurement of the 18O(p, 15N reaction rate through the THM. *Journal of Physics G: Nuclear and Particle Physics*, **2008**, 35, 014014	2.9	18
172	Cross-section of (^{8}Li(alpha ,n)^{11}B): Inhomogeneous Big Bang nucleosynthesis. *European Physical Journal A*, **2004**, 20, 355-358	2.5	18
171	On the magnitude of the 8Li + 4He -> 11B + n reaction cross section at the Big-Bang temperature. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2008**, 664, 157-161	4.2	17
170	Indirect Study of the Astrophysically Relevant 6Li(p, 3He Reaction by Means of the Trojan Horse Method. *Progress of Theoretical Physics Supplement*, **2004**, 154, 341-348		15
169	Indirect Techniques in Nuclear Astrophysics. Asymptotic Normalization Coefficient and Trojan Horse. *Nuclear Physics A*, **2007**, 787, 321-328	1.3	13
168	Evidence for O15+resonance structures in Ne19 via direct measurement. *Physical Review C*, **2017**, 96,	2.7	12

167	Reevaluation of the Ne22(□Mg26 and Ne22(□n)Mg25 reaction rates. *Physical Review C*, **2021**, 103,	2.7	12
166	A fast and complete GEANT4 and ROOT Object-Oriented Toolkit: GROOT. *EPJ Web of Conferences*, **2017**, 165, 01034	0.3	11
165	Strong 25Al+p resonances via elastic proton scattering with a radioactive 25Al beam. *Physical Review C*, **2012**, 85,	2.7	11
164	DWBA momentum distribution and its effect on THM. *Nuclear Physics A*, **2010**, 834, 658c-660c	1.3	11
163	Study of the 10B(p,(alpha_{1}))7Be reaction by means of the Trojan Horse Method. *European Physical Journal A*, **2018**, 54, 1	2.5	11
162	Gamma ray beams for Nuclear Astrophysics: first results of tests and simulations of the ELISSA array. *Journal of Instrumentation*, **2017**, 12, C03079-C03079	1	10
161	Observation of N15+□esonant structures in F19 using the thick target in inverse kinematics scattering method. *Physical Review C*, **2019**, 99,	2.7	10
160	4□Neutron detection with low-intensity radioactive beams. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2007**, 581, 783-790	1.2	10
159	A new study of 10B(p,(alpha))7Be reaction at low energies. *European Physical Journal A*, **2016**, 52, 1	2.5	10
158	Trojan horse measurement of the B10(p,□)Be7 cross section in the energy range from 3 keV to 2.2 MeV. *Physical Review C*, **2018**, 97,	2.7	9
157	Toward correction-free8Li(□n)11B data at the Gamow energy of explosive nucleosynthesis. *Journal of Physics G: Nuclear and Particle Physics*, **2010**, 37, 105105	2.9	9
156	SOLVING THE LARGE DISCREPANCY BETWEEN INCLUSIVE AND EXCLUSIVE MEASUREMENTS OF THE 8 Li + 4 He -> 11 B + n REACTION CROSS SECTION AT ASTROPHYSICAL ENERGIES. *Astrophysical Journal*, **2009**, 706, L251-L255	4.7	9
155	Indirect measurement of the (^3hbox {He})(n,p)(^3hbox {H}) reaction cross section at Big Bang energies. *European Physical Journal A*, **2020**, 56, 1	2.5	9
154	Clustering in Non-Self-Conjugate Nuclei. *Progress of Theoretical Physics Supplement*, **2012**, 196, 184-191		8
153	Astrophysical S-factor for the 3He(□7Be reaction via the asymptotic normalization coefficient (ANC) method. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2020**, 807, 135606	4.2	8
152	The 10B(n,(alpha))7Li cross sections at ultra-low energy through the Trojan Horse Method applied to the 2H(10B,(alpha^{7}))Li)1H. *European Physical Journal A*, **2019**, 55, 1	2.5	8
151	The determination of the astrophysical S-factor of the direct 18O(p,(gamma))19F capture by the ANC method. *European Physical Journal A*, **2019**, 55, 1	2.5	7
150	Determination of the half-life of 213Fr with high precision. *Physical Review C*, **2013**, 88,	2.7	7

149	THE8Li(p,n)11B REACTION RATE AT ASTROPHYSICAL TEMPERATURES. *Astrophysical Journal*, **2011**, 736, 148	4.7	7
148	Study of the 3He(d, p)4He reaction through the Trojan Horse Method. *Nuclear Physics A*, **2005**, 758, 98-101	1.3	7
147	Range of plasma ions in cold cluster gases near the critical point. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2017**, 381, 1682-1686	2.3	6
146	Neutron enhancement from laser interaction with a critical fluid. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2018**, 382, 94-98	2.3	6
145	Investigation of the Hoyle state in12C with a new hodoscope detector. *Journal of Physics: Conference Series*, **2017**, 876, 012006	0.3	6
144	The Trojan horse method in nuclear astrophysics: recent results. *Journal of Physics G: Nuclear and Particle Physics*, **2008**, 35, 014008	2.9	6
143	The astrophysical factor for the 11B(p,a0)8Be reaction extracted via the Trojan Horse method. *Nuclear Physics A*, **2004**, 738, 406-410	1.3	6
142	Clusters and their fundamental role for Trojan Horse Method. *European Physical Journal A*, **2020**, 56, 1	2.5	6
141	Determination of the photodisintegration reaction rates involving charged particles: Systematic calculations and proposed measurements based on the facility for Extreme Light Infrastructure Nuclear Physics. *Physical Review C*, **2018**, 98,	2.7	6
140	New High-Precision Measurement of the Reaction Rate of the 18O(p,a)15N Reaction via THM. *Publications of the Astronomical Society of Australia*, **2009**, 26, 237-242	5.5	5
139	Indirect study of 11B(p,)8Be and 10B(p,a)7Be reactions at astrophysical energies by means of the Trojan Horse Method: recent results. *Nuclear Physics A*, **2010**, 834, 655c-657c	1.3	5
138	No signature of nuclear-Coulomb interference in the proton-proton elastic scattering via the Trojan Horse Method. *Nuclear Physics A*, **2007**, 787, 337-342	1.3	5
137	Advancement of Photospheric Radius Expansion and Clocked Type-I X-Ray Burst Models with the New ^{22}Mg(p,g)^{25}Al Reaction Rate Determined at the Gamow Energy. *Physical Review Letters*, **2021**, 127, 172701	7.4	5
136	Investigation of Compton scattering for gamma beam intensity measurements and perspectives at ELI-NP. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2019**, 921, 27-32	1.2	5
135	Status and Perspectives of the INFN-LNS In-Flight Fragment Separator. *Journal of Physics: Conference Series*, **2018**, 1014, 012016	0.3	5
134	The Trojan Horse Method: A Nuclear Physics Tool for Astrophysics. *Annual Review of Nuclear and Particle Science*, **2021**, 71, 345-376	15.7	5
133	Low-energy R-matrix fits for the Li6(d,a)He4S factor. *Physical Review C*, **2015**, 91,	2.7	4
132	Nuclear Astrophysics at ELI-NP: the ELISSA prototype tested at Laboratori Nazionali del Sud. *EPJ Web of Conferences*, **2017**, 165, 01026	0.3	4

131	Measurements of the neutron-induced reactions on 7Be with CRIB by the Trojan Horse method **2018**,		4
130	Experimental study to explore the Be8-induced nuclear reaction via the Trojan horse method. *Physical Review C*, **2016**, 93,	2.7	4
129	Asymptotic normalization coefficient and important astrophysical process15N(p,)16O. *Journal of Physics: Conference Series*, **2010**, 202, 012017	0.3	4
128	Trojan Horse Method: recent applications in nuclear astrophysics. *Nuclear Physics A*, **2010**, 834, 639c-642c	1.3	4
127	The Trojan-Horse Method applied to the6Li(p,)3He reaction down to astrophysical energies. *Nuclear Physics A*, **2004**, 734, 639-642	1.3	4
126	Study of the quasi-free (^3hbox {He}+,^9hbox {Be}rightarrow 3alpha) reaction for the Trojan Horse Method. *European Physical Journal A*, **2020**, 56, 1	2.5	3
125	The Trojan Horse Method for nuclear astrophysics and its recent applications. *EPJ Web of Conferences*, **2017**, 165, 01032	0.3	3
124	A new high-precision upper limit of direct decays from the Hoyle state in 12C. *EPJ Web of Conferences*, **2017**, 165, 01020	0.3	3
123	19F(p,)16O and 19F(p)22Ne Reaction Rate Measured via THM and Fluorine Nucleosynthesis in AGB stars. *Journal of Physics: Conference Series*, **2019**, 1308, 012016	0.3	3
122	Using the Trojan Horse Method to Investigate Resonances Above and Below the Threshold in Nuclear Reactions of Astrophysical Interest. *Acta Physica Polonica B*, **2016**, 47, 681	1.9	3
121	Si26(p,)P27 direct proton capture by means of the asymptotic normalization coefficients method for mirror nuclei. *Physical Review C*, **2021**, 103,	2.7	3
120	Constraining the Primordial Lithium Abundance: New Cross Section Measurement of the 7Be + n Reactions Updates the Total 7Be Destruction Rate. *Astrophysical Journal Letters*, **2021**, 915, L13	7.9	3
119	Indirect determination of the astrophysical S factor for the Li6(p,)Be7 reaction using the asymptotic normalization coefficient method. *Physical Review C*, **2021**, 104,	2.7	3
118	Study of the neutron induced reaction 17O(n,)14C at astrophysical energies via the Trojan Horse Method. *EPJ Web of Conferences*, **2020**, 227, 02007	0.3	2
117	First time evidence of pronounced plateaus right above the Coulomb barrier in 8Li + 4He fusion. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2016**, 753, 449-452	4.2	2
116	Study of16O(12C,20Ne)For the investigation of carbon-carbon fusion reaction via the Trojan Horse Method. *Journal of Physics: Conference Series*, **2016**, 703, 012024	0.3	2
115	Experimental study of the18O(d, p)19O reaction and the ANC Method. *Journal of Physics: Conference Series*, **2013**, 420, 012142	0.3	2
114	Characterization of X3 Silicon Detectors for the ELISSA Array at ELI-NP. *EPJ Web of Conferences*, **2017**, 165, 01011	0.3	2

113	Trojan Horse method and radioactive ion beams: study of18F(p,15O reaction at astrophysical energies. *Journal of Physics: Conference Series*, **2013**, 420, 012149	0.3	2
112	Trojan Horse Method: A tool to explore electron screening effect. *Journal of Physics: Conference Series*, **2010**, 202, 012018	0.3	2
111	Pole approximation in the quasi-free t + p scattering and the t(p,d)d reaction via the t + d interaction. *Few-Body Systems*, **2008**, 44, 353-356	1.6	2
110	A Novel Approach to Decay: PANDORA, a New Experimental Setup for Future In-Plasma Measurements. *Universe*, **2022**, 8, 80	2.5	2
109	Indirect Measurements of n- and p-Induced Reactions of Astrophysical Interest on Oxygen Isotopes. *Frontiers in Astronomy and Space Sciences*, **2020**, 7,	3.8	2
108	Probing proton halo effects in the 8B+64Zn collision around the Coulomb barrier. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2021**, 820, 136477	4.2	2
107	Nuclear Astrophysics with the Trojan Horse Method. *Journal of Physics: Conference Series*, **2016**, 665, 012009	0.3	2
106	Low Mass Stars or Intermediate Mass Stars? The Stellar Origin of Presolar Oxide Grains Revealed by Their Isotopic Composition. *Frontiers in Astronomy and Space Sciences*, **2021**, 7,	3.8	2
105	The decay of the Hoyle state in 12C: a new high-precision investigation. *EPJ Web of Conferences*, **2018**, 184, 01005	0.3	2
104	The 19F(p)22Ne and 23Na(p,20Ne reaction in AGB nucleosynthesis via THM. *EPJ Web of Conferences*, **2018**, 184, 02003	0.3	2
103	The (^{27}hbox {Al}(hbox {p},alpha)^{24}hbox {Mg}) reaction at astrophysical energies studied by means of the Trojan Horse Method applied to the (^2hbox {H}(^{27}hbox {Al},alpha ^{24}hbox {Mg})hbox {n}) reaction. *European Physical Journal Plus*, **2021**, 136, 1	3.1	2
102	Study of the 17O(n, (alpha))14C Reaction: Extension of the Trojan Horse Method to the Neutrons Induced Reactions **2017**,		1
101	The12C(12C,20Ne and12C(12C,p)23Na reactions at the Gamow peak via the Trojan Horse Method. *EPJ Web of Conferences*, **2016**, 117, 09004	0.3	1
100	Primordial nucleosynthesis revisited via Trojan Horse Results. *EPJ Web of Conferences*, **2016**, 117, 09010	0.3	1
99	Application of Trojan Horse Method to radioactive ion beams induced reactions. *Journal of Physics: Conference Series*, **2020**, 1610, 012005	0.3	1
98	Study of 3He(n,p)3H reaction at cosmological energies with trojan horse method. *EPJ Web of Conferences*, **2020**, 227, 02013	0.3	1
97	Measurement of the 7Li(t)4He ground-state cross section between E4.4 and 10 MeV. *Physical Review C*, **2020**, 101,	2.7	1
96	Experimental Study on the 7Be((n,p))7Li and the 7Be((n,alpha))4He Reactions for Cosmological Lithium Problem **2020**,		1

95	The astrophysical S-factor of the direct 18O(p,)19F capture by the ANC method. *EPJ Web of Conferences*, **2017**, 165, 01007	0.3	1
94	Indirect Study of the16O+16O Fusion Reaction Toward Stellar Energies by the Trojan Horse Method. *EPJ Web of Conferences*, **2016**, 117, 09013	0.3	1
93	The Trojan Horse Method in Nuclear Astrophysics. *EPJ Web of Conferences*, **2018**, 184, 01016	0.3	1
92	Nuclear physics and its role for describing the early universe. *International Journal of Modern Physics Conference Series*, **2019**, 49, 1960012	0.7	1
91	Trojan Horse Particle Invariance: An Extensive Study. *Few-Body Systems*, **2014**, 55, 1001-1004	1.6	1
90	15O+ resonant elastic scattering to study cluster states in19Ne. *Journal of Physics: Conference Series*, **2017**, 863, 012026	0.3	1
89	Resonance strength measurement at astrophysical energies: The 17O(p,)14N reaction studied via Trojan Horse Method **2015**,		1
88	Role of exotic cluster structures in astrophysics: the case of8Li(n)11B. *Physica Scripta*, **2012**, T150, 014019	1.6	1
87	Investigation of the19F(p,)16O reaction in the THM framework. *Journal of Physics: Conference Series*, **2013**, 420, 012139	0.3	1
86	New results on the Trojan Horse Method applied to the 10,11B+p reactions **2009**,		1
85	Trojan Horse Method and RIBs: The 18F(p,)15O reaction at astrophysical energies **2012**,		1
84	First measurement of the18O(p,)15N cross section at astrophysical energies. *Journal of Physics: Conference Series*, **2010**, 202, 012019	0.3	1
83	Trojan Horse Method: a useful tool for electron screening effect investigation. *Nuclear Physics A*, **2010**, 834, 673c-675c	1.3	1
82	Proton-proton elastic scattering via the Trojan horse method. *Few-Body Systems*, **2008**, 43, 219-225	1.6	1
81	Cross Section Measurements of the 7Be(n,p)7Li and the 7Be(n,)4He Reactions Covering the Big-Bang Nucleosynthesis Energy Range by the Trojan Horse Method at CRIB. *Springer Proceedings in Physics*, **2019**, 33-37	0.2	1
80	Indirect methods constraining nuclear capture - the Trojan Horse Method. *Journal of Physics: Conference Series*, **2020**, 1668, 012045	0.3	1
79	(^{10})B(n,(alpha _{0}))(^{7})Li and (^{10})B(n,(alpha _{1}))(^{7})Li reactions measured via Trojan Horse Method. *European Physical Journal A*, **2021**, 57, 1	2.5	1
78	Impact of the New Measurement of the 12C + 12C Fusion Cross Section on the Final Compactness of Massive Stars. *Astrophysical Journal*, **2021**, 916, 79	4.7	1

77	New measurement of the10B(p,γ0)7Be reaction cross section at low energies and the structure of11C. *EPJ Web of Conferences*, **2016**, 117, 09009	0.3	1
76	A new measurement of the direct alpha-decay width of the Hoyle state in 12C **2018**,		1
75	19F spectroscopy and implications for astrophysics. *Journal of Physics: Conference Series*, **2020**, 1668, 012023	0.3	0
74	ANC experiments for nuclear astrophysics. *EPJ Web of Conferences*, **2020**, 227, 01003	0.3	0
73	Bare nucleus S(E) factor of the2H(d,p)3H and2H(d,n)3He reactions via the Trojan Horse Method. *Journal of Physics: Conference Series*, **2012**, 337, 012017	0.3	0
72	Exploring the astrophysical energy range of the 27Al(p,γ)24Mg reaction: A new recommended reaction rate. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2022**, 826, 136917	4.2	0
71	The Treiman-Yang Criterion: validating the Trojan Horse Method by experimentally probing the reaction mechanism. *EPJ Web of Conferences*, **2018**, 184, 02012	0.3	0
70	Trends in particle and nuclei identification techniques in nuclear physics experiments. *Rivista Del Nuovo Cimento*, **2022**, 45, 189-277	3.5	0
69	Resonance Strength Measurement at Astrophysical Energies: The17O(p,α)14N Reaction Studied via THM. *EPJ Web of Conferences*, **2016**, 117, 09016	0.3	
68	Indirect study of the 3He(n, p)3H reaction at cosmological energies. *Journal of Physics: Conference Series*, **2020**, 1668, 012039	0.3	
67	Resonant reactions of astrophysical interest studied by means of the Trojan Horse Method. Two case studies. *EPJ Web of Conferences*, **2020**, 227, 01011	0.3	
66	Preliminary results for the 19F(α,γ)16O reaction cross section measured at INFN-LNS. *EPJ Web of Conferences*, **2020**, 227, 02009	0.3	
65	Clusterization of light nuclei and the Trojan Horse Method. *Journal of Physics: Conference Series*, **2017**, 863, 012072	0.3	
64	New direct measurement of the10B(p,α)7Be reaction with the activation technique. *EPJ Web of Conferences*, **2017**, 165, 01021	0.3	
63	Nuclear reactions in AGB nucleosynthesis: the19F(α,p)22Ne at energies of astrophysical relevance. *EPJ Web of Conferences*, **2017**, 165, 01019	0.3	
62	The Trojan Horse Method application on the 10B(p,α0)7Be reaction cross section measurements. *EPJ Web of Conferences*, **2017**, 165, 01018	0.3	
61	The 10B(p,α)7Be S(E)-factor from 5 keV to 1.5 MeV using the Trojan Horse Method. *EPJ Web of Conferences*, **2017**, 165, 01042	0.3	
60	Determining the 13C(α,n)16O absolute cross section through the concurrent application of ANC and THM and astrophysical consequences for the s-process in AGB-LMSs.. *EPJ Web of Conferences*, **2017**, 165, 01052	0.3	

59	Oxygen-15+□esonant elastic scattering to study cluster states in19Ne. *Journal of Physics: Conference Series*, **2017**, 876, 012021	0.3
58	Understanding the fusion cross section among light nuclei around the Coulomb barrier. *EPJ Web of Conferences*, **2017**, 163, 00012	0.3
57	On the investigation of resonances above and below the threshold in nuclear reactions of astrophysical interest using the Trojan Horse Method.. *Journal of Physics: Conference Series*, **2017**, 876, 012013	0.3
56	Reaction rate of the13C(□n)16O neutron source using the ANC of the -3 keV resonance measured with the THM. *Journal of Physics: Conference Series*, **2016**, 665, 012013	0.3
55	ANC experiments for nuclear astrophysics in NPI CAS. *EPJ Web of Conferences*, **2018**, 184, 01014	0.3
54	A Geant4-based Monte Carlo Tool for Nuclear Astrophysics. *EPJ Web of Conferences*, **2018**, 184, 02008	0.3
53	On the fluorine nucleosynthesis in AGB stars in the light of the 19F(p,□16O and 19F(□p)22Ne reaction rate measured via THM. *International Journal of Modern Physics Conference Series*, **2019**, 49, 1960011	0.7
52	Nuclear astrophysics and resonant reactions: Exploring the threshold region with the Trojan Horse Method. *International Journal of Modern Physics Conference Series*, **2019**, 49, 1960010	0.7
51	THM applied to the investigation of explosive astrophysical scenarios. *Journal of Physics: Conference Series*, **2019**, 1308, 012012	0.3
50	Neutron-induced reactions investigated via the Trojan Horse Method. *Journal of Physics: Conference Series*, **2019**, 1308, 012022	0.3
49	Unscreened cross-sections for nuclear astrophysics via the Trojan Horse Method. *Journal of Physics: Conference Series*, **2014**, 569, 012018	0.3
48	Recent Results for the Effects of Distortion in the Inter-Cluster Motion in Light Nuclei and Application to Nuclear Astrophysics. *Few-Body Systems*, **2013**, 54, 1577-1581	1.6
47	Fusion reactions induced by radioactive beams: the18F(p,□15O case. *EPJ Web of Conferences*, **2017**, 163, 00046	0.3
46	Trojan Horse Method: recent results in nuclear astrophysics. *Journal of Physics: Conference Series*, **2015**, 630, 012020	0.3
45	Measurement of sub threshold resonance contributions to fusion reactions: the case of the13C(□n)16O astrophysical neutron source. *EPJ Web of Conferences*, **2015**, 86, 00023	0.3
44	The effect of the recent17O(p,□14N and18O(p,□15N fusion cross section measurements in the nucleosynthesis of AGB stars. *EPJ Web of Conferences*, **2015**, 86, 00030	0.3
43	Trojan Horse particle invariance in fusion reactions. *EPJ Web of Conferences*, **2015**, 86, 00034	0.3
42	Trojan Horse particle invariance for2H(d,p)3H reaction: a detailed study. *EPJ Web of Conferences*, **2014**, 66, 07021	0.3

41	Application of the Trojan Horse Method to study neutron induced reactions: the17O(n,α)14Creaction. *EPJ Web of Conferences*, **2014**, 66, 07008	0.3
40	Lithium and boron burning S(E)-factor measurements at astrophysical energies via the Trojan Horse Method. *EPJ Web of Conferences*, **2014**, 66, 07012	0.3
39	Measurement of the13C(α,n)16O reaction at astrophysical energies using the Trojan Horse Method. Focus on the -3 keV sub-threshold resonance. *EPJ Web of Conferences*, **2014**, 66, 07010	0.3
38	Light element burning reactions at stellar temperatures in view of the recent THM measurements. *EAS Publications Series*, **2013**, 63, 315-320	0.2
37	Low-energy d+d fusion via the Trojan Horse Method. *Journal of Physics: Conference Series*, **2013**, 436, 012073	0.3
36	Electron screening effects in (p,α)reactions induced on boron isotopes studied via the Trojan Horse Method. *Journal of Physics: Conference Series*, **2013**, 436, 012075	0.3
35	Distortion Effects on Trojan Horse Applications. *Few-Body Systems*, **2011**, 50, 319-321	1.6
34	Indirect Study of the 2H(d,p)3H and 2H(d,n)3He Reactions at Astrophysical Energies via the Trojan Horse Method. *Few-Body Systems*, **2011**, 50, 323-325	1.6
33	The Trojan Horse method as an indirect approach for nuclear astrophysics studies. *Journal of Physics: Conference Series*, **2010**, 205, 012048	0.3
32	Indirect measurement of17O(p,α)14N cross section at ultra-low energies. *Journal of Physics: Conference Series*, **2010**, 202, 012021	0.3
31	The 65 keV resonance in the 17O(p,α)14N thermonuclear reaction. *Nuclear Physics A*, **2010**, 834, 676c-678c	1.3
30	The trojan horse method as indirect technique in nuclear astrophysics. *Journal of Physics: Conference Series*, **2008**, 111, 012033	0.3
29	Li, Be and B Destruction in Astrophysical Environments: Indirect Cross Section Measurements **2006**, 171-172	
28	Validity test of the Trojan Horse Method applied to the 7Li + p -> α + αreaction via the 3He break-up **2006**, 243-248	
27	Indirect measurement of the 15N(p, α)12C reaction cross section through the Trojan-Horse Method **2006**, 249-254	
26	Study of the 9Be(p, α)6Li reaction via the Trojan Horse Method **2006**, 221-225	
25	The Resonant Behaviour of the (^{12})C+(^{12})C Fusion Cross Section at Astrophysical Energies. *Springer Proceedings in Physics*, **2019**, 17-22	0.2
24	Nuclear AstroPhysics at ELI-NP: Preliminary Experiments with ELISSA Detector. *Springer Proceedings in Physics*, **2019**, 219-223	0.2

23	First Time Measurement of the (^{19})F(p,(alpha _1))(^{16})O Reaction at Astrophysical Energies: Evidence of Resonances Through the Application of the Trojan Horse Method. *Springer Proceedings in Physics*, **2019**, 285-288	0.2
22	The Cosmologically Relevant (^7)Be(n,(alpha))(^4)He Reaction in View of the Recent THM Investigations. *Springer Proceedings in Physics*, **2019**, 53-56	0.2
21	The (^{19}mathrm{F}(alpha ,mathrm{p})^{22})Ne and (^{23}mathrm{Na}(mathrm{p},alpha)^{20})Ne Reactions at Energies of Astrophysical Interest via the Trojan Horse Method. *Springer Proceedings in Physics*, **2019**, 339-342	0.2
20	Stellar Surface Abundance of Light Elements and Updated (p,(alpha)) Reaction Rates. *Springer Proceedings in Physics*, **2019**, 449-452	0.2
19	Overview on the Trojan Horse Method in nuclear astrophysics. *Journal of Physics: Conference Series*, **2020**, 1643, 012051	0.3
18	Inclusive breakup measurements of the 7Li+ 119Sn reaction. *Journal of Physics: Conference Series*, **2020**, 1643, 012085	0.3
17	Strong Resonances at High Excitation Energy in ({}^{mathbf{17}})O (+) Alpha Resonance Scattering. *Physics of Atomic Nuclei*, **2020**, 83, 520-522	0.4
16	Studying astrophysical reactions with low-energy RI beams at CRIB. *EPJ Web of Conferences*, **2016**, 117, 09005	0.3
15	First evidences for19F(□p)22Ne at astrophysical energies. *Journal of Physics: Conference Series*, **2016**, 703, 012016	0.3
14	Application of the THM to the investigation of reactions induced by unstable nuclei: the 18F(p,□15O case. *EPJ Web of Conferences*, **2019**, 223, 01030	0.3
13	Nuclear Physics in Stellar Lifestyles with the Trojan Horse Method. *EPJ Web of Conferences*, **2019**, 223, 01065	0.3
12	The (^3)He+(^5)He(rightarrow) (alpha)+(alpha) reaction below the Coulomb barrier via the Trojan Horse Method. *European Physical Journal A*, **2021**, 57, 1	2.5
11	Trojan Horse Method experiments with radioactive ion beams. *EPJ Web of Conferences*, **2018**, 184, 01008	0.3
10	Improved information on astrophysical S-factor for the 10B(p,□)7Be reaction using the Trojan Horse method. *EPJ Web of Conferences*, **2018**, 184, 02002	0.3
9	Capture and photonuclear reaction rates involving charged-particles: Impacts of nuclear ingredients and future measurement on ELI-NP. *EPJ Web of Conferences*, **2018**, 178, 04007	0.3
8	Development of the ELISSA array: prototype testing at Laboratori Nazionali del Sud. *EPJ Web of Conferences*, **2018**, 184, 02006	0.3
7	26Mg target for nuclear astrophysics measurements. *EPJ Web of Conferences*, **2018**, 184, 02014	0.3
6	Trojan Horse cross section measurements and their impact on primordial nucleosynthesis. *Journal of Physics: Conference Series*, **2018**, 940, 012017	0.3

5	New direct investigation of the19F(p,ϑ)16O down to 0.2 MeV. *Journal of Physics: Conference Series* , **2018**, 940, 012011	0.3
4	Probing the Early Universe through nuclear physics. *Journal of Physics: Conference Series*, **2018**, 1078, 012017	0.3
3	First measurement of 25Al+p resonant scattering relevant to the astrophysical reaction 22Mg(ϕ)25Al. *EPJ Web of Conferences*, **2022**, 260, 05001	0.3
2	Experimental studies on astrophysical reactions at the low-energy RI beam separator CRIB. *EPJ Web of Conferences*, **2022**, 260, 03003	0.3
1	Trojan Horse Investigation for AGB Stellar Nucleosynthesis. *Universe*, **2022**, 8, 128	2.5