List of Publications of Hasan M. Maridi

Papers in peer-reviewed journals

1- **H.M. Maridi**, K. Rusek, and N. Keeley, "*Calculation of Coulomb breakup cross sections using a new Coulomb dynamical polarization potential*", **Phys. Rev. C 106,** 054613 **(2022).**

2- A. T. Rudchik**,…, H.M. Maridi,**…, "*Comparison of* ^{10}B +^{6}Li *and* ^{10}B +^{7}Li *elastic scattering: The role of ground state reorientation and breakup*"**,** **Phys. Rev. C 106,** 014615 **(2022).**

3- **H.M. Maridi**, K. Rusek, and N. Keeley, "*Comparison of Coulomb breakup effects on the elastic scattering of* ^{6}*He and* ^{8}*He using a Coulomb dipole polarization potential*", **Eur. Phys. J. A 58,** 49 **(2022).**

4- **H.M. Maridi,** K. Rusek, N. Keeley, "*Coulomb dynamical polarization potential and the electric dipole polarizability for weakly-bound and neutron rich light nuclei*"**,** **Phys. Rev. C 104,** 024614 **(2021).**

5- **H.M. Maridi,** A. Pakou, and K. Rusek, "*The p+*^{9}*Be elastic scattering below 30 MeV: optical model analysis and data normalization"*, **Int. J. Mod. Phys. E 30,** 2150024 **(2021).**

6- A. T. Rudchik**,…, H.M. Maridi,**…, "^{6}Li+^{15}N interaction at $E_{c.m.}$ = 23.1 MeV; validation of the α + *d* cluster model of ^{6}Li"**,** **Phys. Rev. C 103,** 044614 **(2021).**

7- **H.M. Maridi**, "*Energy dependence and surface contribution of the nucleon-nucleus optical potential"*, **Bull. Russ. Acad. Sci. Phys. 84,** 473 **(2020)**.

8- **H.M. Maridi**, "*Energy dependence and surface contribution of the optical potential for nucleon-nucleus scattering at energies up to 1 GeV"*, **Phys. Rev. C 100**, 014613 **(2019)**.

9- **H.M. Maridi**, "*Proton scattering of helium isotopes using an energy-dependent folded potential"*, **AIP Conf. Proc. 1976**, 020004 **(2018)**.

10- **H.M. Maridi**, M.Y.H. Farag, and E.H. Esmael, "*Energy-dependent microscopic optical potential for p+*^{9}Be *elastic scattering"*, **AIP Conf. Proc. 1742**, 030011 **(2016)**.

11- **H.M. Maridi**, M.Y.H. Farag, and E.H. Esmael, "*Analysis of proton scattering of stable and exotic light nuclei using an energy-dependent microscopic optical potential*", **Eur. Phys. J. WoC 107**, 08007 **(2016)**.

12- M.Y.H. Farag, E.H. Esmael, and **H.M. Maridi**, "*Analysis of proton-*^{9,10,11,12}*Be scattering using an energy-, density-, and isospin-dependent microscopic optical potential*", **Phys. Rev. C 90**, 034615 **(2014)**.

13- M.Y.H. Farag, E.H. Esmael, and **H.M. Maridi**, "*Energy-dependent microscopic optical potential for scattering of nucleons on light nuclei*", **Eur. Phys. J. A 50**, 106 **(2014)**.

14- M.Y.H. Farag, E.H. Esmael, and **H.M. Maridi**, "*Microscopic study on proton elastic scattering of helium and lithium isotopes at energy range up to 160 MeV/nucleon*", **Eur. Phys. J. WoC 66**, 03025 **(2014)**.

15- M.Y.H. Farag, E.H. Esmael, and **H.M. Maridi**, "*Elastic interaction of protons with stable and exotic light nuclei*", **Phys. Rev. C 88**, 064602 **(2013)**.

16- M.Y.H. Farag, E.H. Esmael, and **H.M. Maridi,** "*Elastic Microscopic study on proton elastic scattering of light exotic nuclei at energies below than 100 MeV/nucleon*", **Eur. Phys. J. A 48**, 154 **(2012)**.

17- M.Y.M. Hassan, M.Y.H. Farag, E.H. Esmael, and **H.M. Maridi**, "*Elastic scattering and breakup effect analysis of* ^{11}Be+^{12}C *at* 38.4 *MeV/nucleon*", **Phys. Rev. C 79**, 064608 **(2009)**.

18- M.Y.M. Hassan, M.Y.H. Farag, E.H. Esmael, and **H.M. Maridi**, **"***Microscopic model analysis of* ^{11}Li + *p elastic scattering at* 62, 68.4, *and* 75 *MeV/nucleon*", **Phys. Rev. C 79**, 014612 **(2009).**

Reports

1- **H.M. Maridi**, K. Rusek, and N. Keeley, "*Comparison of Coulomb breakup effects on the elastic scattering of* ^{6}*He and* ^{8}*He*", HIL Annual Report 2021, 80 **(2022)**.

2- A. T. Rudchik**,…, H.M. Maridi,**…, "*Coupling of* ^{6}Li+^{10}B *elastic scattering with the inelastic channels*", HIL Annual Report 2021, 60 **(2022)**.

3- **H.M. Maridi**, K. Rusek, and N. Keeley, "*Coulomb dipole polarization potential for* ^{6}He+^{208}Pb", HIL Annual Report 2020, 49 **(2021).**

Books

1- **H. M. Maridi**, "*Scattering of halo nuclei*", LAP *Lambert Academic Publishing* (**2013**). **ISBN**:9783659421112

Theses

1- Phd Dissertation: "*Calculations of the cross sections for stable and exotic light nuclei*", **2014**.

2- Master Theses: "*Scattering of halo nuclei*", **2009**.