

Anamaria Spataru

Ziua nasterii:

Nationalitate: Romana

Sex: Feminin

Email:

Educatie

10/2017–Prezent

Studii doctorale

- **Program de studii:** *Scoala doctorala de "Ingineria si Aplicatiile Laserilor si Acceleratorilor" (S.D.I.A.L.A.), Universitatea POLITEHNICA Bucuresti*
- **Teza:** *Producerea si analiza fasciculelor radioactive cu ajutorul celulei criogenice de stopare la facilitatea ELI-NP (Production and analysis of radioactive ion beams with the Cryogenic Stopping Cell at the ELI-NP facility)*

10/2015–06/2017

Studii de master

- **Program de studii:** *Fizica atomului, nucleului, particulelor elementare, astrofizica si aplicatii, Facultatea de Fizica, Universitatea din Bucuresti*
- **Teza:** *Extensia identificatorului de particule de la GSI Fragment Separator cu masuratori de mase cu rezolutie inalta (Extension of the particle identification at the GSI Fragment Separator by high resolution mass spectrometry)*

10/2012–06/2015

Studii de licenta

- **Program de studii:** *Fizica (in limba engleza)*
- **Teza:** *Analiza posibilelor mecanisme de accelerare a particulelor din razele cosmice (Analysis of possible acceleration mechanisms of particles in cosmic rays, Facultatea de Fizica, Universitatea din Bucuresti)*

09/2008–06/2012

Diploma de bacalaureat

- **Program de studii:** *Tehnician in activitati economice, Scoala Superioara Comerciala Nicolae Kretzulescu, Bucuresti*

Experienta profesionala

02/2018–Prezent

Asistent doctoral de cercetare

- **Angajator:** ELI-NP, Institutul National de Cercetare-Dezvoltare pentru Fizica si Inginerie Nucleara "Horia Hulubei", Magurele-Ilfov, Romania

10/2016–01/2018

Fizician

- **Angajator:** Institutul National de Cercetare-Dezvoltare pentru Fizica si Inginerie Nucleara "Horia Hulubei", Magurele-Ilfov, Romania

Competente personale

Limbi vorbite

- Romana (Limba materna)
- Engleza (Utilizator experimentat)
- Germana (Utilizator elementar)

Competenta digitala

- Permisul european de conducere al computerului (ECDL)
- Windows, Linux

- Latex
- C
- Root
- MS Office

Stagii de pregatire internationala

- 07/2020–09/2020* **Fragment Separator - Ion Catcher, GSI, Darmstadt, Germania**
- **Proiect:** "Installation and commissioning of the new target wheel of the gas cell at the FRS Ion Catcher facility".
- 09/2019–12/2019* **Fragment Separator - Ion Catcher, GSI, Darmstadt, Germania**
- **Proiect:** "Upgrades to the particle identification at the GSI Fragment Separator and measurements using the gas cell at the FRS Ion Catcher".
- 15/08/2019–
20/08/2019* **IGISOL, Jyväskylä, Finlanda**
- Participare la activitati de upgradare si testare a diverselor sisteme ale facilitatii IGISOL din cadrul Universitatii Jyväskylä, urmate de o serie de experimente ce au avut loc in aceasta facilitate.
- 11/06/2019–
21/06/2019* **IGISOL, Jyväskylä, Finlanda**
- Participare la activitati de upgradare si testare a diverselor sisteme ale facilitatii IGISOL din cadrul Universitatii Jyväskylä, urmate de o serie de experimente ce au avut loc in aceasta facilitate.
- 11/2018–12/2018* **Fragment Separator - Ion Catcher, GSI, Darmstadt, Germania**
- Participare la activitati de upgradare si testare a diverselor sisteme ale facilitatii FRS Ion Catcher urmate de o serie de experimente ce au avut loc in aceasta facilitate.
- 06/2018–09/2018* **Fragment Separator - Ion Catcher, GSI, Darmstadt, Germania**
- Participare la activitati de upgradare si testare a diverselor sisteme ale facilitatii FRS Ion Catcher urmate de o serie de experimente ce au avut loc in aceasta facilitate.
- 03/2017–05/2017* **Fragment Separator - Ion Catcher, GSI, Darmstadt, Germania**
- Pregatire teza de masterat: "Extension of the particle identification at the GSI Fragment Separator by high resolution mass spectrometry".
- 07/2016–09/2016* **Fragment Separator - Ion Catcher, GSI, Darmstadt, Germania**
- Participare la scoala de vara internationala

Participari la conferinte internationale

- 16/09/2021–
18/09/2021* **International Workshop "Shapes and Dynamics of Atomic Nuclei: Contemporary Aspects" (SDANCA-21), Sofia, Bulgaria**
- **Prezentare orală:** "Nuclear structure studies with high-precision mass measurements of spontaneous fission fragments at the FRS-IC"

1/09/2019–
7/09/2019

Mazurian Lakes Conference on Physics-Piaski, Polonia

- **Poster:** "Production of exotic nuclei via multi-nucleon transfer reactions inside gas cells".

24/09/2018–
28/09/2018

NUSTAR week 2018- Milano, Italia

- **Prezentare orala:** "A novel method for Multi-Nucleon Transfer reaction studies-Targets inside the cryogenic stopping cell of the FRS Ion Catcher".

Lista lucrari publicate

- **Nuclear Structure Studies with High-Precision Mass Measurements of Spontaneous Fission Fragments at the FRS Ion Catcher**, A. Spataru, D. Amanbayev, S. Ayet, D.L. Balabanski, S. Beck, J. Bergmann, P. Constantin, T. Dickel, H. Geissel, C. Hornung, N. Kalantar-Nayestanaki, G. Kripko-Koncz, I. Mardor, A. Mollaebrahimi, W.R. Plass, C. Scheidenberger, M. Wasserhess, J. Zhao , **Bulgarian Journal of Physics vol. 48 (2021) 535-540**
- **Multinucleon Transfer reactions in $^{138}\text{U}+^{64}\text{Ni}$ using Grazing model**, A. Spataru, T. Dickel, W.R. Plass, J.S. Winfield, P. Constantin, D.L. Balabanski, D. Nichita, A. Rotaru, A. State, **U.P.B. Sci. Bull., Series A, Vol. 82, Iss. 1, (2020)**
- **Production of exotic nuclei via MNT reactions using gas cells**, A. Spataru, D.L. Balabanski, O. Beliuskina, P. Constantin, T. Dickel, C. Hornung, A. Kankainen, A.V. Karpov, D. Nichita, W. Plass, S. Purushothaman, A. Rotaru, V.V. Saiko, A. State, J.S. Winfield, A. Zadornaya , **Acta Physica Polonica B No 3 Vol. 51 (2020)**