

Evaluation activitiesof the Bucharest NSDD Centre

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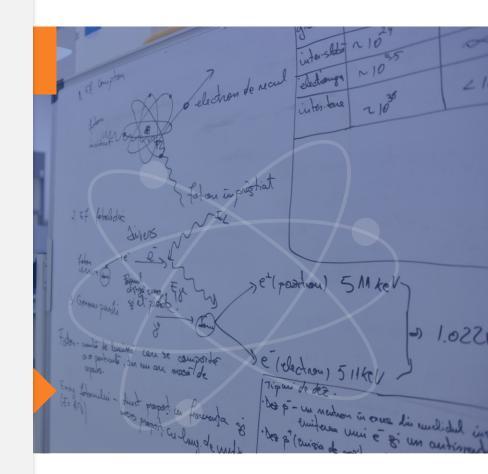






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Current situation





Manpower

- In general: 0.4 FTE: Sorin Pascu + Alexandru Negret
- <u>Temporary situation: reduced manpower</u> caused by other obligations of both evaluators
- Looking for possibilities to increase contribution



Responsabilities of the Bucharest Data Centre

Mass	Last published evaluation	Responsible evaluator	Status
57	NDS 85, 415 (1998)	A. Negret	Under evaluation by A. Negret, B. Singh and R. Firestone
58	NDS 111, 897 (2010)		
59	NDS 151, 1 (2018)		
117	NDS 95, 679 (2002) – updated 2009	S. Pascu	
118	NDS 75, 99 (1995)		Under evaluation by S. Pascu, A. Negret, and E. McCutchan
119	NDS 110, 2945 (2009)		



Evaluation activities

- A=130: by S. Pascu, B. Singh, A. Rodionov, G. Shulyak post review
- A=101: by J. Timar, Z. Elekes, A. Negret, S. Pascu final stage, to be submitted with the reviewer
- CTBTO project (IAEA):
 - A. Negret: decay of ¹³³l submitted for review review received, updated version to be submitted very soon
 - S. Pascu: decay of 140La work in progress submitted for review

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Plans for near future





Plans for the future

Obligations within the European project SANDA

- A=101 finalize evaluation, submit, perform the post-review corrections
- A=86 evaluate a few nuclei, including ⁸⁶Sr (together with B. Singh)
- CTBTO project:
 - > A. Negret: decay of 1331 perform the post-review corrections resubmit after review
 - > S. Pascu: decay of 140La finalize the evaluation perform post-review corrections

Other future plans

- Finalize the post-review corrections for A=57 and 130 together with B. Singh
- Work on A=118 together with E. Ricard-McCutchan



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The SANDA Project



The H2020 project SANDA (Supplying Accurate Nuclear Data for Energy and Non-energy Applications)

- Funded by: European Commission, under the Horizon2020 program,
- Duration: 01. Sept. 2019 01. Sept. 2023 (an extension will be required caused by the COVID pandemic),
- Maximum EU contribution: 4.66 Meuro,
- Funding for ENSDF evaluation: ~20 kEuro/Data Centre, or 5 PM/Data Centre,
- Number of partners: 35 European institutes/universities,
- Work packages:
 - WP1: Detector development
 - WP2: Nuclear data measurements for energy and non-energy applications
 - WP3: Target preparation
 - WP4: Nuclear data evaluation
 - Task 4.2.2 Evaluation of nuclear structure and decay data
 - WP5: Data validation, integral measurements
 - WP6: Management, coordination, education, training
- Notes: First time when ENSDF evaluation is financially supported at the European level. Inclusion into the ND community is essential for the participation to future similar projects.



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Thanks

Do you have any questions?

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