

## Marcin Bielewicz Publication list

4 publication in the Acta Physica Polonica B and 1 publication in EPJ-WoC, waiting for revive for publishing in 2020.

### 2019

1. M. Bielewicz et al., MCORD - MPD COsmic Ray Detector a new features, European Physical Journal WoC 204 (2019) 07016, DOI: 10.1051/epjconf/201920407016
2. M. Szuta, M. Bielewicz et al., Impact of average neutron energy ..., European Physical Journal WoC 204 (2019) 04002, DOI: 10.1051/epjconf/201920404002
3. S. Kilim, M. Bielewicz et al., Np.-237 transmutation efficiency ... , European Physical Journal WoC 204 (2019) 04005, DOI: 10.1051/epjconf/201920404005

### 2018

4. P. Chudoba, M. Bielewicz et al., Activation Measurements of Cross Sections for Ground and Isomeric States Production In Neutron Threshold re action on Y and Au, Nuclear Science and Engineering 191 (2018) 150-160, DOI: 10.1080/00295639.2018.1455437
5. S. Kilim, M. Bielewicz et al., Np-237 incineration study in various beams in ADS setup QUINTA, Nukleonika 63-1 (2018) 17–22
6. M.Bielewicz et al., Determining the Fast Neutron Flux Density and Transmutation Level Measurements in ADS by the Use of a Threshold Nuclear Reaction, Physics of Particles and Nuclei Letters, Vol.15, Iss.5, pp 516–523 (2018), DOI:10.1134/S1547477118050023
7. M. Bielewicz et al., Transmutation measurements level In akcelerator-driven subcritical system (ADS), Acta Physica Polonica B 11-4 (2018), DOI:10.5506/APhysPolBSupp.11.751
8. I.Dusza, M.Bielewicz et al., Mobile and Multipoint Temperature Measurement System ..., Acta Physica Polonica B, Vol.11, No.4, p.731 (2018), DOI:10.5506/APhysPolBSupp.11.731
9. M. Bielewicz et al. , MCORD - MPD Cosmic Ray Detector for NICA, Dubna Proceedings (2018) E13-2018-37
10. M. Bielewicz et al., MCORD - MPD Cosmic Ray Detector for NICA, (Proc. SPIE) 1080802 (2018), DOI: 10.1117/12.2501720
11. A. Chlopik, M.Bielewicz et al., The Prototype Dosimetry System to Protect ..., Dubna Proc. (2018) E16-2018-38
12. A. Chlopik, M.Bielewicz et al., The Prototype Dosimetry System to Protect NICA Slow Control Electronic Equipment, Acta Physica Polonica B, 11-4 (2018) 745-750, DOI:10.5506/APhysPolBSupp.11.745

### 2017

13. E.Strugalska-Gola, M.Bielewicz et al., Average fast neutron flux In Tyree energy ranges In the Quinta assembly irradiated by two types of beams, EPJ-WoC, Vol. 138 No 10007 (2017)



14. S.Kilim, E.Strugalska-Gola, M.Szuta, M.Bielewicz et al., Comparison of neutron induced fission and capture in Np-237 and Pu-239 irradiated in Quinta assembly with 660 MeV proton beam, EPJ-WoC, Vol. 138 No 10004 (2017)
15. M.Szuta, S.Kilim, E.Strugalska-Gola, M.Bielewicz et al., Comparison of two fast neutron fluence measurement method based on Np-237 fission-capture ratio measurement (spectral index) and a reverse dark current measurement in a planar silicon detector, EPJ-WoC, Vol. 138 No 10006 (2017), DOI: 10.1051/epjconf/201713810006
16. M.Suchopar, Bielewicz M., Kilim S., Strugalska-Gola E., Szuta et al., Monte carlo simulation of Yttrium reaction rates in Quinta uranium target, EPJ-WoC, Vol. 138 No 10003 (2017)
17. M.Bielewicz AT al., Neutron flux measurement In the energy range near spallation maximum energy (20-40 MeV) inside the Quinta assembly, Radiat. Prot. Dosim. (w trakcie recenzji) (2017)
18. P.Chudoba, M.Bielewicz et al., Excitationfunction of neutron-induced threshold reactions studiem with activation metod Rusing quasi mono-energetic neutron sources, submitted to Physical review C (2017)
19. M.Bielewicz et al., (n,xn) cross section measurements for Y-89 foils used as detectors for high energy neutron measurements in the deeply subcritical assembly "QUINTA", EPJ-WoC, Vol.146 No 11032 (2017)

## 2015

20. S.Kilim, M. Bielewicz, E.Strugalska-Gola, M. Szuta, Measurements of Np.-237 incineration In ADS setup QUINTA, PROCEEDINGS OF SCIENCE (PoS) No 056 (2015)
20. M. Bielewicz, S.Kilim, E.Strugalska-Gola, M. Szuta, Measurements of fast neutron spectrum in QUINTA assembly irradiated with 2,4 and 8 GeV deuterons, PROCEEDINGS OF SCIENCE (PoS) No 052 (2015)
21. M. Szuta, E.Strugalska-Gola, S.Kilim, M. Bielewicz, S. Tyutyunnikov, V. Chilap, Lead shielding impast on Fast neutron spectrum (>10MeV) In QUINTA uranium setup, PROCEEDINGS OF SCIENCE (PoS) No 060 (2015)
22. V. Wagner, S.Kilim, M. Bielewicz, E.Strugalska-Gola, M. Szuta et al., Nuclear data for advanced nuclear systems, PROCEEDINGS OF SCIENCE (PoS) No 057 (2015)
23. P. Hudoba, S.Kilim, M. Bielewicz, E.Strugalska-Gola, M. Szuta et al., Study of Cross-Sections of yttrium (n,xn) threshold reactions, PROCEEDINGS OF SCIENCE (PoS) No 054 (2015)
24. M. Bielewicz, S.Kilim, E.Strugalska-Gola, M. Szuta, Experimental study of phisical properties of ADS systems – measurment of high energy neutron Fields by Rusing the <sup>89</sup>Y threshold detectors, Procedings of NENE conference Slovenia 14-17.IX (2015)
25. M. Szuta, S.Kilim, E. Strugalska-Gola, M. Bielewicz, S. Tyutyunnikov, Feasibility study of minor actinide application as a neutron fluency and avarage neutron energy detector In the place of their location, V Meeting of the Expert Group on Reactor Phisics Advanced Nuclear System (EGRPANS), OECD/NEA Paris France 17-20.II (2015)

  
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