

Jméno, příjmení, titul žadatele:

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Given name, surname, academic degree of student:

Seznam publikovaných impaktovaných prací:

- 1) V.B. Brudanin,.. E.Rukhadze (corresponding author)... et al., "Development of the ultra-low background HPGe spectrometer OBELIX at Modane underground laboratory", JINST 12 (2017) P02004;
- 2) V.B. Brudanin,.. E.Rukhadze (corresponding author)... et al., "The low-background HPGe γ -spectrometer OBELIX for the investigation of the double beta decay to excited states ", IOSR Journal of applied physics 9 (2017) 22-29;
- 3) R. Arnold,.. E. Rukhadze... et al. (NEMO-3 collaboration), "Investigation of double beta decay of ^{100}Mo to excited states of ^{100}Ru ", Nucl .Phys. A925 (2014) 25-36;
- 4) N. I. Rukhadze,.. E. Rukhadze... et al., "A highly efficient HPGE gamma-ray spectrometer for investigating $\beta\beta$ decay to excited states", Bull. Russ. Acad. Sci. Phys. 77 (2013) 379-382;
- 5) N. I. Rukhadze,.. E. Rukhadze... et al., "Search for double beta decay of $(106)\text{Cd}$ in the TGV-2 experiment", J. Phys. Conf. Ser. 718 (2016) no.6, 062049;
- 6) Ch. Briancon,.. E. Rukhadze... et al., "New search for double electron capture in Cd-106 decay with the TGV-2 spectrometer", Phys. Atom. Nucl. 78 (2015) no.6, 740-745;
- 7) N. I. Rukhadze,.. E. Rukhadze.. et al., "Experiment TGV-2. Search for double beta decay of Cd-106", J. Phys. Conf. Ser. 375 (2012) 042020;
- 8) N. I. Rukhadze,.. E. Rukhadze.. et al., "Experiment TGV-2 -Search for double beta decay of Cd-106", Nucl. Phys. Proc. Suppl. 229-232 (2012) 478;

Seznam publikovaných neimpaktovaných prací:

- 1) E. Rukhadze et al., "Investigations of double beta decay of ^{106}Cd and ^{58}Ni with HPGe spectrometer OBELIX", AIP Conf. Proc. 1672 (2015) 130005;
- 2) E. Rukhadze, "Investigations of 2β decay measured by low background HPGe spectrometer OBELIX", AIP Conf. Proc. 1572, pp. 85-88 (2013);
- 3) E. Rukhadze, "Low background HPGe spectrometer in investigations of double beta decay", AIP Conf. Proc. 1549, pp. 34-37 (2013);
- 4) E. Rukhadze, "Measurement of special modes of double beta decay in experiments OBELIX and TGV", JINR Conf. Proc.(2016) ISBN 978-5-9530-0416-9 , 307;
- 5) E. Rukhadze et al., "HPGe spectrometer OBELIX in the low background measurements", AYSS2015 Conf. Proc. (in print).
- 6) N. I. Rukhadze,.. E. Rukhadze... et al., "Double electron capture of ^{106}Cd in the TGV-2 experiment", AIP Conf. Proc. 1686 (2015) 020020;
- 7) P. Loaiza,.. E. Rukhadze... et al., "Obelix, a new low-background HPGe at Modane Underground Laboratory", AIP Conf. Proc. 1672 (2015) 130002;
- 8) V.B. Brudanin,.. E. Rukhadze.. et al., Summary of the TGV experiment and future plans, AIP Conf. Proc. 1417 (2011) 110-114.

Seznam ostatních publikací:

- 1) P. Loaiza,.. E. Rukhadze... et al, "The BiPo-3 detector", Appl. Radiat. Isot. 123 (2017) 54-59;
- 2) R. Arnold,.. E. Rukhadze.. et al. (NEMO-3 collaboration), "Measurement of the $2\nu\beta\beta$ decay half-life and search for the $0\nu\beta\beta$ decay of ^{116}Cd with the NEMO-3 detector", Phys. Rev. D95 (2017) no.1, 012007;
- 3) R. Arnold,.. E. Rukhadze.. et al., "Measurement of the $2\nu\beta\beta$ decay half-life of ^{150}Nd and a search for $0\nu\beta\beta$ decay processes with the full exposure from the NEMO-3 detector", Phys. Rev. D94 (2016) no.7, 072003;
- 4) R. Arnold,.. E. Rukhadze.. et al. (NEMO-3 collaboration), "Measurement of the $2\nu\beta\beta$ decay half-life of ^{150}Nd and a search for $0\nu\beta\beta$ decay processes with the full exposure from the NEMO-3 detector", arXiv:1606.08494;
- 5) R. Arnold,.. E. Rukhadze.. et al., "Measurement of the double-beta decay half-life and search for the neutrinoless double-beta decay of ^{48}Ca with the NEMO-3 detector", Phys. Rev. D93 (2016) no.11, 112008;

- 6) R. Arnold,.. E. Rukhadze.. et al., "Results of the search for neutrinoless double- β decay in ^{100}Mo with the NEMO-3 experiment", Phys. Rev. D92 (2015) no.7, 072011;
- 7) R. Arnold,.. E. Rukhadze.. et al., "Search for neutrinoless double-beta decay of ^{100}Mo with the NEMO-3 detector", Phys. Rev. D89 (2014) no.11, 111101;
- 8) J. M. Jose,.. E. Rukhadze.. et al., "Pixel detectors in double beta decay experiments, a new approach for background reduction", AIP Conf. Proc. 1549 (2013) 74-77;
- 9) N. I. Rukhadze,.. E. Rukhadze...et al., "Using pixel detectors in investigations of EC/EC decay", Bull. Russ. Acad. Sci. Phys. 77 (2013) 375-378;
- 10) P. Čermak,.. E. Rukhadze.. et al., "Use of silicon pixel detectors in double electron capture experiments", JINST 6 (2011) no.01, C01057;
- 11) J. M. Jose et al., "Timepix background studies for double beta decay experiments", JINST 6 (2011) C11030.