

List of publications in 2021

1. J. Herkenhoff, M. Door, P.Filianin, W. Huang, K. Kromer, D. Lange, R.X. Schuessler, C. Schweiger, S. Eliseev, and K.Blaum. "A digital feedback system for advanced ion manipulation techniques in Penning traps". Rev. Sci. Instr. 92 (2021) 103201.
2. P. Filianin, C. Lyu, M. Door, K. Blaum, W.J. Huang, M. Haverkort, P. Indelicato, C.H. Keitel, K. Kromer, D. Lange, Y.N. Novikov, A. Rishka, R.X. Schuessler, Ch. Schweiger, S. Sturm, S. Ulmer, Z. Harman, S. Eliseev. "Direct Q-value determination of the β -decay of ^{187}Re ". Phys. Rev. Lett. 127 (2021) 072502.
3. Yu.N. Novikiov and V.I. Zherebchevsky. "Nucleodemic" meeting NUCLEUS-2020. Nucl.Phys.News 31 №.1 (2021) 34-35.
4. Ю.Н. Новиков. «Прямое экспериментальное обнаружение нового явления высокоэнергетичной атомной изомерии». Сборник «Наука СПбГУ-2020» Всероссийской конференции, С.Петербург, 2021, с.382
5. I.Guseva, A.Gagarski. F.Goenenwein, and Y.Gusev. "Dependence of the ROT effect on the energy of different light charged particles and on the incident energy", EPJ Web of Conferences 256 (2021) 00006.
6. D. Nesterenko et al. "Study of radial motion phase advance during motion excitations in a Penning trap and accuracy of JYFLTRAP mass spectrometer". Eur. Phys. J. A 57, 302 (2021).
7. K. Blaum, S. Eliseev, S. Sturm, " Perspectives on testing fundamental physics with highly charged ions in Penning traps", Quantum Science and Technology 6 (2021) 014002