ERRATA

Erratum to: “Measuring Independent Yields of Fission Products Using a Penning Trap” [Bulletin of the Russian Academy of Sciences. Physics 79, 869 (2015)]

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Abstract should read as follows:

A new method to determine independent yields of fission products has been used in the experiment at the Accelerator Laboratory of the University of Jyväskylä. This method combines the chemical universality of the ion guide technique and the unique properties of a Penning trap. A beam of charged particles is formed by stopping fission products in helium. The Penning trap is employed as a high precision filter to identify particles by their mass. The yields of fission products are determined by the ion counting after the trap. The mass resolving power of the method is about 105 with 400 ms excitation time. Such mass resolution allows to separate not only nuclides but also isomeric and ground states of nuclei. The independent yields of fission products are measured in the fission of ²³²Th induced by 25 MeV protons. A brief description of the method and experimental results are presented in comparison with theoretical calculations.