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## **The study of prompt neutron multiplicity from the spontaneous fission of heavy and super heavy nuclei**

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As a result of a recent experimental series on SHELS separator, new experimental data about spontaneous fission was obtained for a range of heavy nuclei (Am, Fm, No, Rf, and Sg). The isotopes of interest were synthesized in complete fusion reactions and in multi-nucleon transfer reactions. The modern SFiNx system will be discussed.

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