

Isotope composition of a fuel sample obtained from Rossi May 11, 2016

Preliminary results from a chemical analysis using the Inductively Coupled Plasma Mass Spectrometry (ICP-MS) method. The ICP-MS is an integrating method giving the average isotopic composition of the whole fuel/ash sample being analyzed.

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The natural elements Ni and Li were found in the sample. Their isotope composition is given in the table together with the natural composition. The numbers refer to percent.

	58Ni	60Ni	61Ni	62Ni	64Ni
Natural comp	68.1	26.2	1.14	3.63	0.93
Rossi sample	14.2	6.3	0.3	78.5	0.7

	6Li	7Li
Natural comp	7.59	92.4
Rossi sample	86.5	13.5

Note that these numbers are preliminary, but the final numbers can only deviate by a few percent.

The isotope composition of the Rossi sample is qualitatively the same as the ash from the Lugano experiment.