^{242}Es

The discovery of ^{242}Es was reported in 1994 by Lazarev et al. in "Cross sections of the (HI,αn) channel in the cold-fusion-type reactions ^{209}Bi + ^{40}Ar and ^{208}Pb + ^{37}Cl" (1994La25). The isotope was identified using the catcher technique with off-line chemical separation following the irradiation of the targets with beams from the U400 cyclotron of the JINR Laboratory of Nuclear Reactions at Dubna. "The most probable explanation of this activity seems to be the EC-delayed fission in the decay chain ^{242}Es $\rightarrow$^{242}Cf." It should be mentioned that the observation of ^{242}Es had been reported nine years earlier in an unpublished report (1985HiZU). Ninov et al. (1996Ni09) did not refer to the work by Lazarev et al. in their 1996 paper about the production of the new neutron deficient isotopes ^{241}Es and ^{242}Es.

Adapted from reference (2011Me01)

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