^{272}Hs

In 2023, ^{272}Hs was discovered by Oganessian et al. in "New isotope ^{276}Ds and its decay products ^{272}Hs and ^{268}Sg from the ^{232}Th + ^{48}Ca reaction" (2023Og03). The DC280 cyclotron at the SHE Factory at JINR in Dubna accelerated a ^{48}Ca beam to 230−250 MeV impinging on ^{232}Th targets. Evaporation residues from the reaction ^{232}Th(^{48}Ca,4n) were separated and identified with the gas-filled separator DGFRS-2 which also detected subsequent α decays. "Three new nuclides were synthesized for the first time: [...] an α decaying ^{272}Hs with $T_\alpha = 0.16^{+0.19}_{-0.06}$ s, $E_\alpha = 9.63 \pm 0.02$ MeV."

Adapted from reference (2024Th02)

2023Og03 Yu. Ts. Oganessian, V. K. Utyonkov, M. V. Shumeiko, F. Sh. Abdullin *et al.*, Phys. Rev. C **108**, 024611 (2023).

2024Th02 M. Thoennessen, Int. J. Mod. Phys. E **33**, 2430001 (2024).

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