^{265}Bh

The first observation of ^{265}Bh was reported in 2004 by Gan et al. in "New isotope ^{265}Bh" (2004Ga29). An americium-oxide target was bombarded with a 168 MeV ^{26}Mg beam from the Lanzhou Sector Focus Cyclotron (SFC) forming ^{265}Bh in the ^{243}Am(^{26}Mg,4n) fusion-evaporation reaction. Recoil products were collected with a helium transport system and deposited on a rotating wheel in front of four pairs of PIPS detectors. "A total of 8 correlated decay events of ^{265}Bh and 4 decay events of ^{264}Bh were observed. ^{265}Bh decays with a $0.94^{+0.70}_{-0.31}$ s half-life by emission of α-particles with an average energy of 9.24±0.05 MeV."

Adapted from reference (2013Th02)

2004Ga29 Z. G. Gan, J. S. Guo, X. L. Wu, Z. Qin *et al.*, Eur. Phys. J. A **20**, 385 (2004).

2013Th02 M. Thoennessen, At. Data Nucl. Data Tables **99**, 312 (2013).

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