^{260}Bh

The first observation of ^{260}Bh was reported by Nelson et al. in "Lightest isotope of Bh produced via the ^{209}Bi(^{52}Cr,n)^{260}Bh reaction" in 2008 (2008Ne01). ^{209}Bi targets were bombarded with a 257.0 MeV ^{52}Cr beam from the Berkeley 88-inch cyclotron. Evaporation residues were separated with the Berkeley Gas-filled Separator BG and implanted in a silicon strip detector array which also measured subsequent α decays. "[The figure] contains the eight observed decay chains attributed to the decay of ^{260}Bh... Using the eight alpha decay lifetimes, the half-life of ^{260}Bh was found to be 35^{+19}_{-9} ms."

Adapted from reference (2013Th02)

2008Ne01 S. L. Nelson, K. E. Gregorich, I. Dragojevic, M. A. Garcia *et al.*, Phys. Rev. Lett. **100**, 022501 (2008).

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

Please cite this abstract as: "FRIB Nuclear Data Group, *Discovery of Nuclides Project*, Isotope Database, doi:10.11578/frib/2279152"