

## **<sup>210</sup>Th**

In 1995, Uusitalo et al. described the observation of <sup>210</sup>Th in “ $\alpha$  decay of the new isotopes <sup>210</sup>Th and <sup>211</sup>Th” (1995Uu01). <sup>35</sup>Cl beams with energies of 5.2–5.7 MeV/nucleon from the Jyväskylä K-130 cyclotron bombarded a <sup>181</sup>Ta target to form <sup>210</sup>Th in (6n) fusion-evaporation reactions. Recoil products were separated with the gas-filled recoil separator RITU and implanted in a position sensitive PIPS detector which also measured subsequent  $\alpha$  decay. “The measured  $\alpha$  energies of <sup>211</sup>Th and <sup>210</sup>Th are (7792±14) and (7899±17) keV, respectively. The half-lives were found to be (37<sup>+28</sup><sub>-11</sub>) ms (<sup>211</sup>Th) and (9<sup>+17</sup><sub>-4</sub>) ms (<sup>210</sup>Th).”

Adapted from reference (2013Fr03)

1995Uu01 J. Uusitalo, T. Enqvist, M. Leino, W. H. Trzaska *et al.*, Phys. Rev. C **52**, 113 (1995).

2013Fr03 C. Fry and M. Thoennessen, At. Data Nucl. Data Tables **99**, 345 (2013).

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