

## <sup>197</sup>Ir

The discovery of <sup>197</sup>Ir was described in the 1952 paper “Radioactivities of platinum and iridium from photonuclear reactions in platinum” by Christian et al. (1952Ch18). Platinum samples were irradiated with X-rays from the Iowa State 70-MeV synchrotron. Decay curves were measured with mica end-window G-M tubes following chemical separation. “The iridium fraction included Ir<sup>192</sup> and Ir<sup>194</sup> and two new isotopes: a 140-min, 1-Mev  $\beta^-$  emitter, probably Ir<sup>195</sup>, and a 7-min activity, probably Ir<sup>197</sup>.” Previously, Butement had assigned a 66-min half-life to either <sup>195</sup>Ir or <sup>197</sup>Ir (1951Bu25).

Adapted from reference (2012Ro36)

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2012Ro36 R. Robinson and M. Thoennessen, At. Data Nucl. Data Tables **98**, 911 (2012).

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