^{195}Os

The first observation of ^{195}Os was reported in 1957 by Baró and Rey from the División Radioquímica of the Comisión Nacional de la Energía Atómica in Buenos Aires in the article "Ein neues Osmiumisotop von 6,5 min Halbwertszeit (Os^{195})" (1957Ba08). Fast neutrons produced in deuteron induced reaction from the Buenos Aires synchrocyclotron irradiated platinum targets and osmium was chemically separated. "In dieser Fraktion konnte eine Halbwertszeit von ,5 min dem bisher noch unbekannten Os^{195} zugeordnet werden. Es wurde durch den Prozeß $Pt^{198}(n,\alpha)Os^{195}$ gebildet." [In this fraction, a half-life of 6.5 min could be assigned to the previously unknown Os^{195}. It was produced in the reaction $Pt^{198}(n,\alpha)Os^{195}$].

The discovery of ^{195}Os had previously (2012Ro36) been assigned to Valiente-Dobon et al.(2004Va03). An earlier observation by Baró and Rey(1957Ba08) had been rejected because of a statement in an annual report: "Unfortunately, the then-existing assignment for ^{195}Ir has subsequently been identified as ^{81}Rb, arising from reactions induced in target impurities. As a result, the present assignment of ^{195}Os will not withstand careful scrutiny" (1974CoYN). However, Birch et al. recently pointed out that this rejection was not justified and Baró and Rey should be credited with the discovery of ^{195}Os (2013Bi14).

Thus, the assignment was changed (2014Th03) to Baró and Rey (1957Ba08).

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