

¹⁸¹Re

Gallagher et al. reported the discovery of ¹⁸¹Re in their 1957 paper “New 20-hour electron-capturing rhenium isotope, Re¹⁸¹” (1957Ga10). Alpha-particles accelerated to 48 MeV by the Berkeley 60-in. cyclotron bombarded tantalum foils. Beta-rays were measured in a double-focusing spectrometer following chemical separating. “A new 20±2 hour electron-capturing rhenium isotope has been investigated. A mass assignment to Re¹⁸¹ is made from the energy threshold for its production by alpha-particle bombardment of Ta¹⁸¹ and by the chemical separation and identification of its radioactive daughter, W¹⁸¹.”

Adapted from reference (2012Ro36)

1957Ga10 C. J. Gallagher Jr., M. Sweeney, and J. O. Rasmussen, Phys. Rev. **108**, 108 (1957).

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

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