^{25}Na

First evidence of ^{25}Na was shown by Huber et al. from the Physikalisches Institut der E.T.H. in Zurich, Switzerland, in "Kernphotoeffekt unter Abspaltung eines Protons: $Mg^{26}(\gamma,p)Na^{25}$" in 1943 (1943Hu05). Lithium γ-rays ($\sim$17 MeV) irradiated magnesium targets and the β-activity and absorption spectra were recorded. "Die gefundene 62 sec-Aktivität ist somit dem Prozess $Mg^{26}(\gamma,p)Na^{25}$ zuzuschreiben." [The observed activity of 62 s is therefore assigned to the process $Mg^{26}(\gamma,p)Na^{25}$]. The authors had reported this half-life (62(2) s) earlier but could not rule out the possibility that it was due to excited states of ^{24}Mg or ^{25}Mg (1943Hu02).

Adapted from reference (2012Th10)

1943Hu02 O. Huber, O. Lienhard, P. Scherrer, and H. Waffler, Helv. Phys. Acta **16**, 33 (1943).

1943Hu05 O. Huber, O. Lienhard, P. Scherrer, and H. Waffler, Helv. Phys. Acta **16**, 431 (1943).

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