

Turkish Journal of Physics

Turkish Journal



of
Physics

Electron Impact Double Ionization of Helium from $[e, (3-1)e]$ Experiments}

Mevlüt DOĞAN

Physics Department, Faculty of Science, Kocatepe University,
Afyon-TURKEY

Abstract: Electron impact double ionization of helium has been observed in an $[e, (3-1)e]$ experiment at an incident electron energy of 200 eV. 110 eV scattered and 10 eV ejected electrons are observed in coincidence without detection of the second ejected electron (1 eV). Present and previous observations are discussed.

 [Keywords](#)
 [Authors](#)

Key Words: Double Ionization, $(e, 2e)$, $[e, (3-1)e]$, Coincidence Detection, Electron Impact



phys@tubitak.gov.tr

Turk. J. Phys., **25**, (2001), 529-536.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Phys., vol.25, iss.6.](#)

[Scientific Journals Home](#)
[Page](#)