

Can hydrogen be observed in an energy analysis ?

K. Goto

Nagoya Institute of Technology, Gokiso-cho, Showa-ku, Nagoya 466

It has been a dream to detect hydrogen in Auger electron spectroscopy, though hydrogen does not yield Auger electron. While there can be a hope in an energy analysis of elastic-, loss-, and secondary electrons. Characteristics obtained for an almost clean W are shown in figure a and those for the contaminated (H₂-adsorption in UHV for 1-wk) are shown in b. The $E_p = 30, 40, \text{ and } 50 \text{ v.}$

