

ANALYSIS OF THE CONTRIBUTION OF
RESONANCE PROCESSES TO INELASTIC
ELECTRON SCATTERING CROSS
SECTIONS BY IONS

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S u m m a r y

The possibility to separate the contribution of resonance processes from the total cross section of electron inelastic scattering by targets and to decompose this contribution into elementary components is discussed. Thus, the structure in the precisely studied energy dependence of the effective cross section of excitation of the total emission of zinc ion resonance lines by slow electrons is analyzed for the first time. The structure is related to the specific groups of autoionizing states of the 'electron+ion' system.