

excitation level

in X-ray spectroscopy

X-ray levels have various degrees of ionization -- single, double or higher -- and may in some cases also be electrically neutral. An excitation level (exciton) is an electrically neutral X-ray level with an expelled electron bound in the field of a core electron vacancy.

Source:

PAC, 1991, 63, 735 (*Nomenclature, symbols, units and their usage in spectrochemical analysis - VIII. Nomenclature system for X-ray spectroscopy (Recommendations 1991)*) on page 738