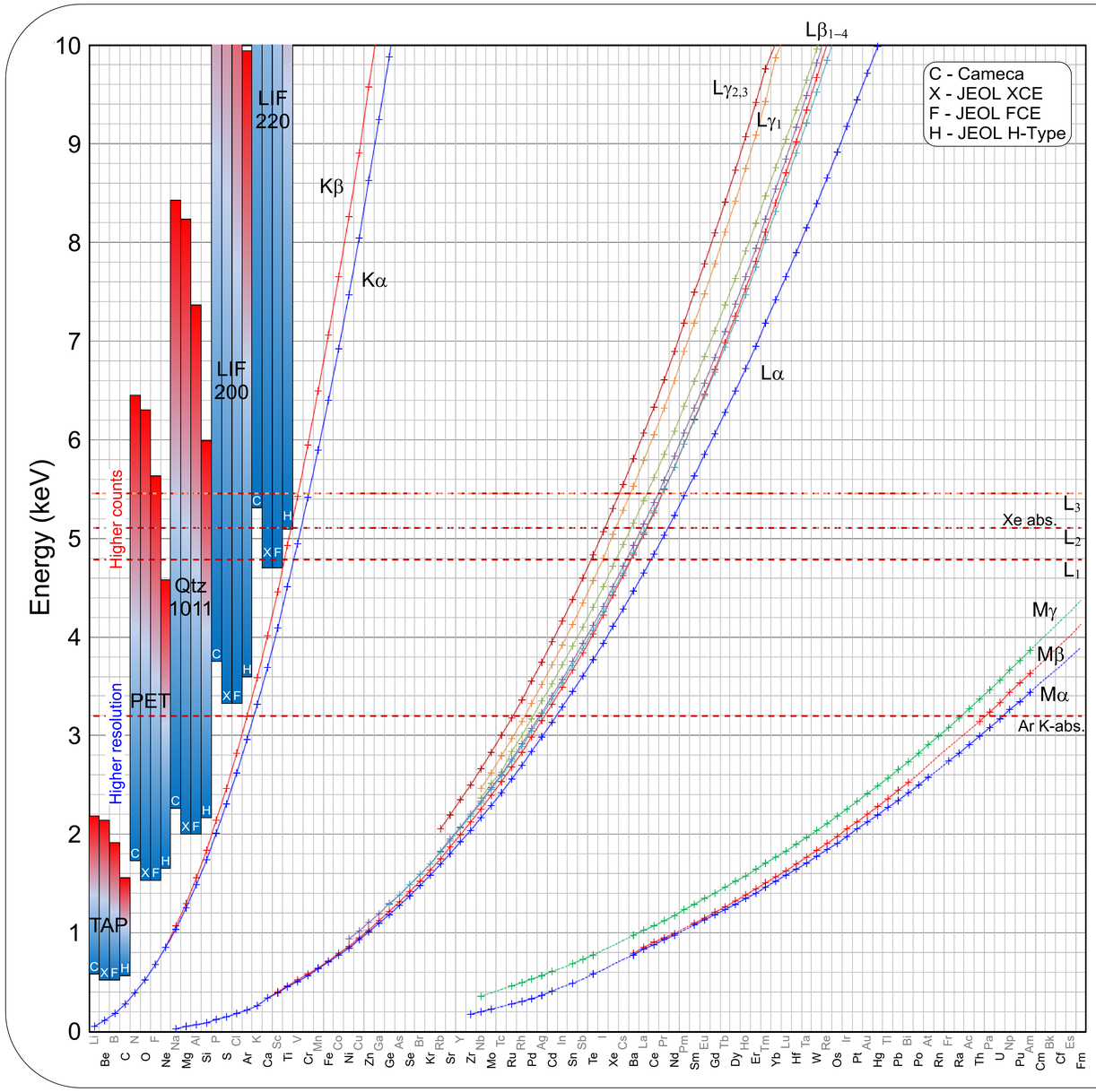
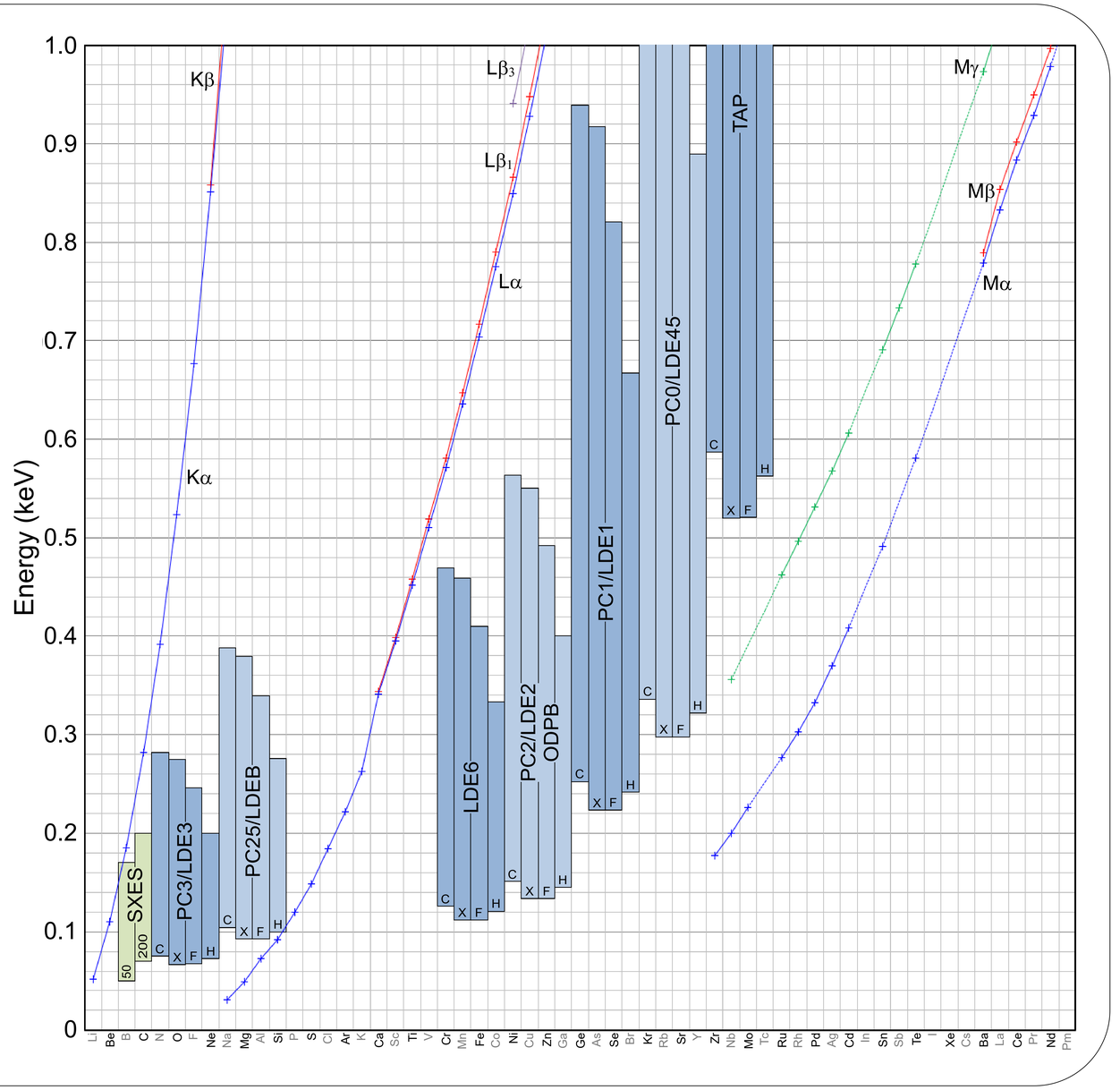
European Microbeam Analysis Society





WD Spectrometer Equations

E = 12.396 / λ or λ = 12.396 / E	*WD Spectrometer Units* JEOL units = 3470.88 / (2d x E) Cameca units = sin(θ) x 100,000	E = X-ray energy in KeV R = WDS Rowland circle in mm d = Diffracting crystal lattice spacing in Å λ = X-ray wavelength in Å

JEOL XCE and FCE spectrometers	*JEOL H-type spectrometers*
JEOL units = 0.0028 x Cameca units Cameca units = 357.143 x JEOL units	JEOL units = 0.002 x Cameca units Cameca units = 500 x JEOL units

EMAS is a society run for and by scientists

It was founded in 1987 to meet the growing demands of users and manufacturers as a forum for education, communication, professional advice and to drive innovation.

www.microbeamanalysis.eu

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