TABLE I
VALUES OF f' AND f'' FOR A THREE-WAVELENGTH EXPERIMENT AT THE SELENIUM K-EDGE

Data set	Wavelength (Å)	f' (electrons)	f'' (electrons)
L1	0.9802	−9.52	3.15
L2	0.9795	−7.35	5.92
L3	0.9300	−2.19	3.46

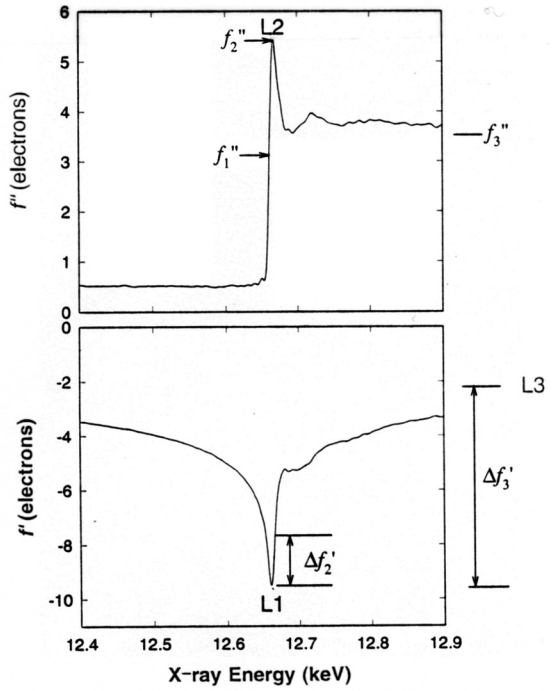

FIG. 1. The variation of the real (f') and imaginary (f'') components of the anomalous scattering around the K-edge of selenium, from a crystal containing selenomethionine. The values were calculated from measured values of the absorption spectrum.[10] Data were taken on beam line X12C at the NSLS at Brookhaven National Laboratory. The three wavelengths chosen for diffraction measurements in a MAD experiment are designated as follows: L1 is the minimum of f', called variously the "inflection point," "edge," or "rising edge"; L2 is the maximum of f'', called the "white line"; and L3 is a remote point that is at 0.930 Å, which lies well to the right of the interval shown in the graph.