Initial Results on Logarithmic Spiral Bent Laue Analyzer for Fluorescence XAFS

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We have previously described [1,2] a novel concept of using highly bent single crystals in laue geometry for wide bandwidth monochromatization of fluorescence x-rays emerging from a point source, such as the sample in fluorescence XAFS experiments.

In this report we describe the first measurements (summer 2000) of the fluorescence XAFS of millimolar solutions of several elements. The potential of this type of analyzer is clearly demonstrated.

References


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