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"Diffraction Spectroscopy"- Refinement of Anomalous Dispersion

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The presentation reports on our results of the inclusion of anomalous dispersion refinement into crystal structure determinations. Synchrotron experiments were carried out at different energies around the K-edge of Molybdenum. A very good correlation between the absorption spectrum of a given element and the refined dispersion values is achieved. The structure model remains unchanged before, after and even at the absorption edge.

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