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Benefits of High Energy Data Collection in Macromolecular Crystallography

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Recently, it became possible to use CdTe Eiger detectors in macromolecular crystallography, enabling the use of high energy X-rays. Experiments at Diamond's beamline I24 could show that the theoretically predicted benefits of increased diffraction efficiency and photoelectron escape can indeed be exploited in the data collection of macromolecular crystals and data from huge protein complexes could be collected to unprecedented resolution at EMBL's beamline P14 at PETRA III.

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