## **DGK conference 2022**



Contribution ID: 107 Type: Talk

## An environmental control box for serial crystallography enables multi-dimensional experiments

Tuesday, 15 March 2022 10:20 (20 minutes)

Our new environmental enclosure for fixed-target, serial crystallography enables full control of both the temperature and humidity. This enclosure provides access to time-resolved, X-ray diffraction experiments in a wide temperature range from below 10  $^{\circ}$ C to above 80  $^{\circ}$ C. We demonstrate changes in the electron density of a hyperthermophile enzyme as a function of increasing temperature and time.

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