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Characterization of the formation of single-phase precious metal high entropy alloys by in situ diffraction

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We have investigated the formation of single phase precious metal high entropy alloys such as $\text{Pt}_2\text{AuCuNiSn}$ by in situ powder diffraction at the high energy beamline P21.1 at DESY in Hamburg. We show that precious metal HEAs can be obtained at comparatively low temperature when Sn is included.

Primary author: WEDEK, Lena Marie

Co-authors: SPAHR, Dominik; WINKLER, Björn (Goethe-Universität Frankfurt am Main); KÖNIG, Jannes; MORGENROTH, Wolfgang (Potsdam University); MARQUARDT, Julien; FINK, Lothar

Presenter: WEDEK, Lena Marie

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