



Contribution ID: 148

Type: **Talk**

## Crystal structure, complex phase diagram and re-entrant phase transition in NaSrPO<sub>4</sub>

*Thursday, 17 March 2022 09:40 (20 minutes)*

The crystal chemistry of AIBIXO<sub>4</sub> (AI = Alkali ion, BII = alkali-earth ion, X = P, V, As) is very rich and has been widely investigated. We have been investigating the crystal structures of several compositions within the AIBIIVO<sub>4</sub> series (X = V). In this contribution, we present the crystal structure, rich polymorphism and re-entrant phase transition of NaSrPO<sub>4</sub> as investigated by in-situ powder diffraction.

**Primary author:** NÉNERT, Gwilherm (Malvern Panalytical)

**Co-author:** Dr SCHREYER, Martin (Malvern Panalytical)

**Presenter:** NÉNERT, Gwilherm (Malvern Panalytical)

**Session Classification:** Structural Chemistry II

**Track Classification:** Main conference: Structural Chemistry & New crystal structures