



Contribution ID: 221

Type: Young Crystallographers Lightning Talks(+poster)

Elucidation of Barocaloric Effect in Spin Crossover Compounds

Tuesday, 15 March 2022 16:49 (20 minutes)

Spin crossover compounds have been recognized as promising candidates, which exhibit large barocaloric effects. From the synchrotron structural data, the temperature dependence of the Fe-N distances can be used to determine the high spin fraction. Then by fitting the temperature dependence of the high spin fraction, we obtained the change in entropy, the change in enthalpy, and the cooperativity.

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Session Classification: Postersession

Track Classification: Young crystallographers Lightning Talks