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Magnetic spin dynamics in Mn-hureaulite

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Various spin-canting sublattices at three unique Mn sites in the ferrimagnetic phase (C2'/c') of Mn2+5(PO4)2(PO3(OH))2(HOH)4 (C2/c) explains a weak ferromagnetism. Below the Curie temperature (6.17 k), magnetic spin-canting reorientations continuously proceed. This vivid spin dynamic system could be confirmed by ac magnetic susceptibility under oscillating magnetic within a frequency window of 10-10000 Hz. Details of these vital magnetic spin dynamics are reported at the meeting DGK 2022.

Primary author: Prof. PARK, SoHyun (LMU)

Co-author: Dr ARAUZO, Ana (Departamento de Física de la Materia Condensada, 50009 Zaragoza, Spain)

Presenter: Prof. PARK, SoHyun (LMU)

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