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4d Transition-Metal Substitution into magnetically frustrated A1B3Si2Sn7O16 structures

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Includes an overview of the A1B3Si2Sn7O16 (A=Fe, B=Fe,Mn) structural family and it's bi-layered structure, containing both a magnetically frustrated oxide layer and a non-magnetic FeSn6 cluster layer. It then covers the substitution of Fe with Ru in cluster layer and the effect this has on it's magnetic structure, analysed using NPD, with comparison to the effect of other substitution schemes that have been performed on different structural sites.

Speakers Gender

Male

Level of Expertise

Student

Do you wish to take part in the poster slam

No

Primary author(s) : VELLA, Joseph (The University of Auckland)

Co-author(s) : SOEHNEL, Tilo (The University of Auckland); LING, Chris (University of Sydney)

Presenter(s) : VELLA, Joseph (The University of Auckland)

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