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PII: S0925-8388(18)33632-6

DOI: [10.1016/j.jallcom.2018.09.367](https://doi.org/10.1016/j.jallcom.2018.09.367)

Reference: JALCOM 47786

To appear in: *Journal of Alloys and Compounds*

Received Date: 17 August 2018

Revised Date: 26 September 2018

Accepted Date: 27 September 2018

Please cite this article as: S. Rayaprol, R.A.P. Ribeiro, K. Singh, V.R. Reddy, S.D. Kaushik, S.R. de Lazaro, Experimental and theoretical interpretation of magnetic ground state of  $\text{FeMnO}_3$ , *Journal of Alloys and Compounds* (2018), doi: <https://doi.org/10.1016/j.jallcom.2018.09.367>.

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# Experimental and Theoretical Interpretation of Magnetic Ground State of $\text{FeMnO}_3$

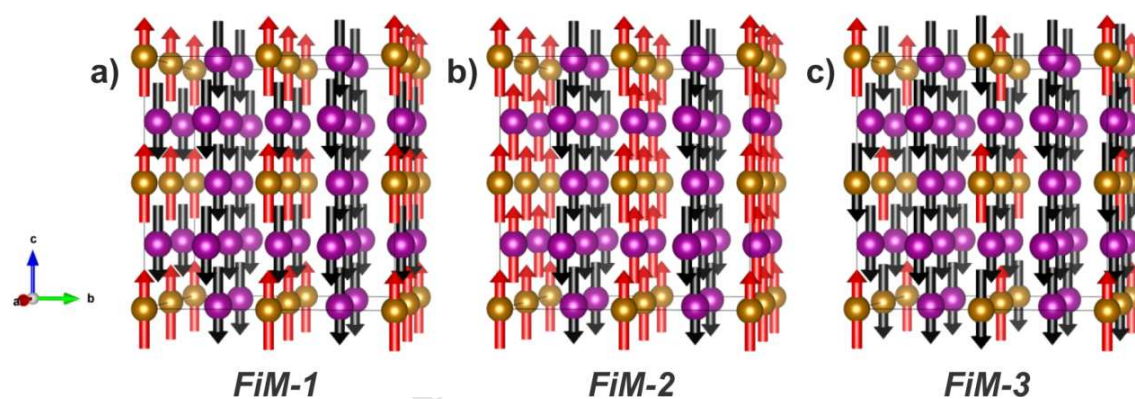
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## Graphical Abstract



Ferrimagnetic configurations considered to obtain the Fe-Mn (FiM-1), Mn-Mn (FiM-2) and Mn-Fe (FiM-3) exchange coupling constants in  $\text{FeMnO}_3$  material. Purple, orange and red balls correspond to Mn, Fe and O atoms; respectively. Red and Black vectors represent spin up and down, respectively.

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