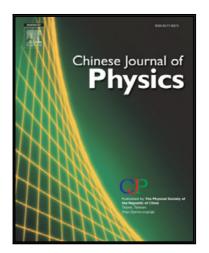
Accepted Manuscript

First-principle calculations of structural, electronic and magnetic investigations of Mn₂RuGe_{1-x}Sn_x quaternary Heusler alloys

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PII:S0577-9073(17)31659-3DOI:10.1016/j.cjph.2018.01.015Reference:CJPH 445



To appear in: Chinese Journal of Physics

Received date:24 December 2017Revised date:22 January 2018Accepted date:28 January 2018

Please cite this article as: F. Semari, F. Dahmane, N. Baki, Y. Al-Douri, S. Akbudak, G. Uğur, Ş. Uğur, A. Bouhemadou, R. Khenata, C.H. Voon, First-principle calculations of structural, electronic and magnetic investigations of $Mn_2RuGe_{1-x}Sn_x$ quaternary Heusler alloys, *Chinese Journal of Physics* (2018), doi: 10.1016/j.cjph.2018.01.015

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Highlights

- DFT calculations for Mn₂RuGe, Mn₂RuSn and their quaternary Mn₂RuGe_{1-x}Sn_x Heusler alloys.
- Structural and magnetic investigation for Mn_2RuGe and Mn_2RuSn .
- Half metallic behavior is explained via spin polarization results.
- Electronic properties for quaternary Heusler alloys were studied.

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