

Accepted Manuscript

Stabilization of polar $\text{Mn}_3\text{O}_4(001)$ film on $\text{Ag}(001)$: Interplay between kinetic and structural stability

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PII: S0039-6028(17)30374-6
DOI: [10.1016/j.susc.2017.06.017](https://doi.org/10.1016/j.susc.2017.06.017)
Reference: SUSC 21058

To appear in: *Surface Science*

Received date: 24 May 2017
Revised date: 29 June 2017
Accepted date: 30 June 2017

Please cite this article as: Asish K. Kundu, Sukanta Barman, Krishnakumar S.R. Menon, Stabilization of polar $\text{Mn}_3\text{O}_4(001)$ film on $\text{Ag}(001)$: Interplay between kinetic and structural stability, *Surface Science* (2017), doi: [10.1016/j.susc.2017.06.017](https://doi.org/10.1016/j.susc.2017.06.017)



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Highlights

- Growth of well-ordered Mn₃O₄(001) film on Ag(001).
- Polar Mn₃O₄(001) surface is stabilized through surface reconstructions.
- Evidence of interplay between kinetic and structural stability of Mn₃O₄(001) film.
- Probe the surface structural phase-space of Mn₃O₄(001) film by LEED and XPS.

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