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New Opportunities in Fundamental Atomic Physics, Solid State Theory and Experiment and Synchrotron Science, including Discovery of new satellites using extended range High Energy Resolution Fluorescence Detection

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High Energy Resolution Fluorescence Detection has recently developed as a powerful probe for bonding, nanostructure and oxidation state. We report the discovery of a new satellite in manganese using a new technique, XR-HERFD. This is foundational for many future studies.

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