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**Preserved Entropy, quantum criticality and fragile magnetism<sup>1</sup>**

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A large swath of strongly correlated electron systems can be associated with the phenomenon of preserved entropy and fragile magnetism. In this talk I will present our thoughts and plans for the discovery and development of lanthanide and transition metal based, strongly correlated systems that are revealed by suppressed, fragile magnetism or grow out of preserved entropy. This talk is based on work published in Rep. Prog. Phys. 79 (2016) 084506

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