

Neutrons and muons as probes of magnetism in heavy transition metal compound



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Unique paradigms of magnetism often arise from 4d and 5d transition metal-based materials due to a combination of strong spin-orbit coupling and spatially-extended d orbitals. Neutron scattering and muon spin relaxation are two very powerful probes of the magnetism in these systems. In this talk, I will introduce these experimental techniques and provide some recent examples to show how they can be used effectively to uncover the new phenomena and exotic magnetic ground states inherent to this family of materials.

Wednesday

January 18

4:00 P.M.

Rm 118 NSH

Refreshments
in Rm 202 NSH
@ 3:30 pm