A04-5 Creation of topological magnetic particles by controlling electronic states at interfaces

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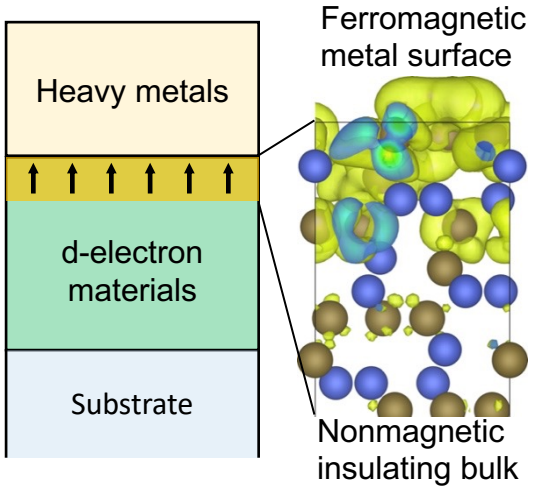
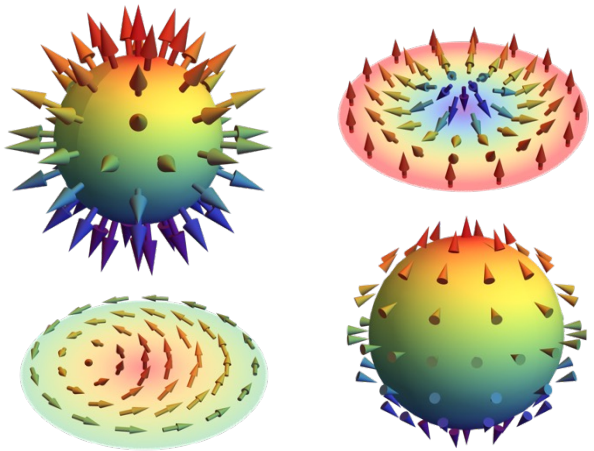
Our Mission: Beyond condensed conjugation

Aims of A04-5

- Formation of various topological magnetic particles by tuning proximity effects on the surface of d-electron-based materials
- Exploration of nonlinear electrical conduction phenomena originating from the dynamics of topological magnetic particles



Efficient proximity effects due to condensed conjugation



Various topological magnetic particles (skyrmion, monopole, hopfion) and their nonlinear dynamics