Nicolás M. Vargas UC San Diego

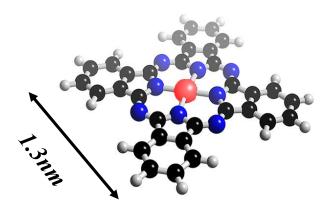
nvargasayala@physics.ucsd.edu

Twisted Magnetism: Chiral magnetic ordering in ultra-short 1D chains

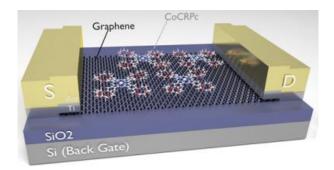


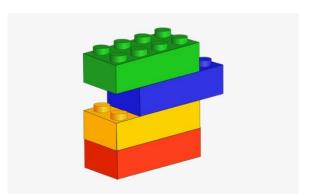
Quantum Spin Chains Grant #: **1804414** and **1805585**

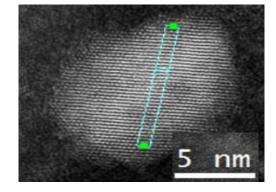
Metal Phthalocyanine (MPc)



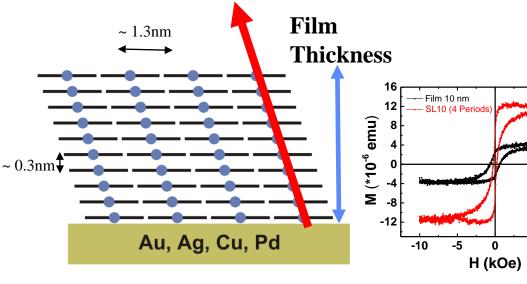
M: Co, Cu, Ni, Mn, FeN







1D atomic chains



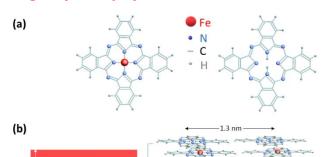
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Twisted Magnetism: Chiral magnetic ordering in ultra-short 1D chains

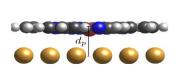


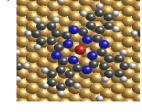
Quantum Spin Chains Grant #: **1804414** and **1805585**

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DFT Calculations with VASP
(Vienna Ab initio Simulation Package)

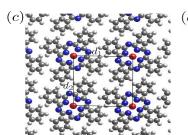


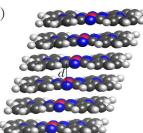


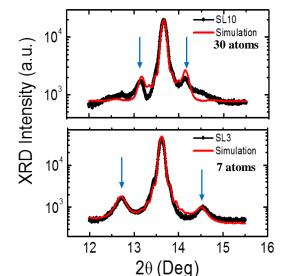
Organic Superlattices:

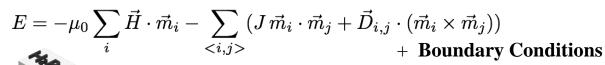
- 1) FePc/H₂Pc
- 2) FePc/CoPc
- 3) FePc/MnPc

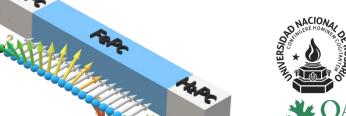














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