

On-line SPICE-SPIN+X Seminars



Wednesday, 10th November 2021, 15:00 (CET)

The seminar will be via Zoom ([Meeting ID: 898 5455 1875](#)) and live streamed in the SPICE YouTube Channel.



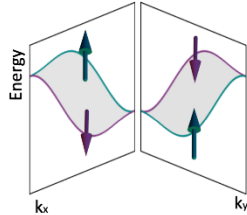
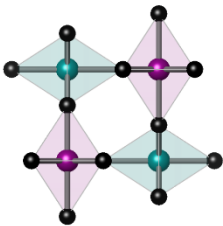
Tomas Jungwirth,

ASCR Prague

Altermagnetism: spin-momentum locked phase protected by non-relativistic symmetries

Altermagnetism

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An emerging new basic magnetic phase

- **Compensated** non-frustrated collinear magnetic structures
- **Spin-split** non-relativistic uncorrelated band structures
- **Alternative** core spin physics & electronics
- **Separate** symmetry class
- **Abundant** among magnetic materials
- **Relevant** in many fields

Šmejkal et al. *Science Adv.* 6, eaaz8809 (2020)
González-Hernández et al. *PRL* 126, 127701 (2021)
Šmejkal et al. *Nat. Rev. Mater* in press (arxiv:2107.03321)
Feng et al. arxiv: 2002.08712
Šmejkal et al. arxiv: 2103.12664
Šmejkal, Sinova & TJ arxiv:2105.05820