

Quantum Theory of Magnetism and its Application to Real Materials

(USOS code: 1102-4`QTM)

An introductory course to this fast developing field:

→ **summer semester of 2018/2019, 1st lecture: 1/3/2019**

→ **Fridays, 2 pm - 6 pm** (2h of lecture +2h of exercises / week)

→ oral exam + homework assignments (in English)

→ for 3rd-, 4th-, 5th- year students as well as PhD students

(condensed matter, atomic physics, theoretical physics)

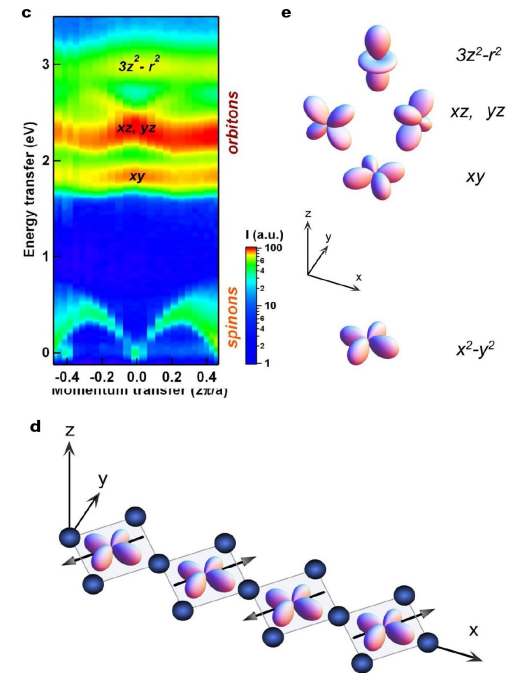
A particular emphasis will be given to:

→ differences between quantum and classical effects

→ connections between real materials and effective spin models

To know more:

→ send an email to krzysztof.wohlfeld@fuw.edu.pl



“Splitting electron's spin and orbital quantum numbers”

[J. Schlappa, K. Wohlfeld, *et al.*, Nature **485**, 82 (2012)]