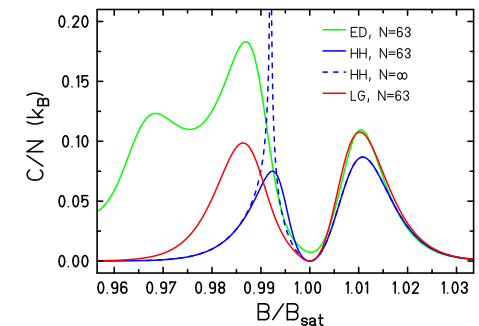
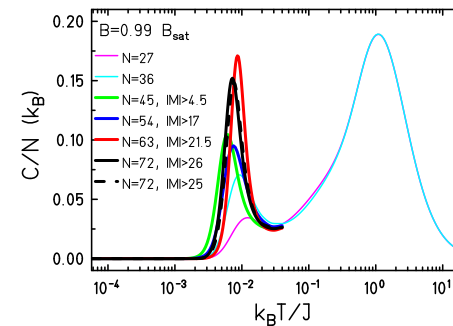
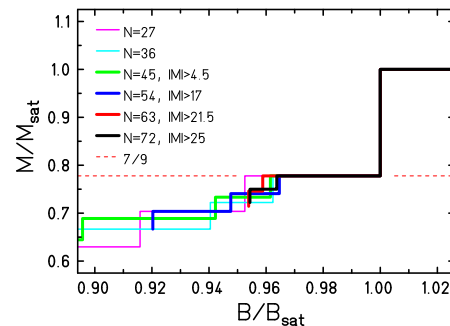
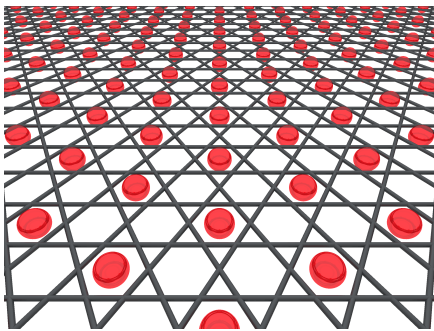


Magnon crystallization in the kagome lattice antiferromagnet

Jürgen Schnack, Andreas Honecker, Johannes Richter, Jörg Schulenburg



Independent one-magnon states form ground states of the Kagome Heisenberg antiferromagnet slightly below the saturation field.

They undergo a continuous phase transition into a magnon crystal at low temperatures.

How did we find out? Come to my poster!

Theory: J. Schnack, J. Schulenburg, A. Honecker, J. Richter, Phys. Rev. Lett. **125**, 117207 (2020)

Experiment: R. Okuma, D. Nakamura, T. Okubo, A. Miyake, A. Matsuo, K. Kindo, M. Tokunaga, N. Kawashima, S. Takeyama, and Z. Hiroi, Nat. Commun. **10**, 1229 (2019)