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Incommensurate magnetic systems studied with the three-axis spectrometer MIRA

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Incommensurate magnetic structures like Helimagnons and Skyrmions are currently intensively studied. Due to their large size compared to the lattice constant they show excitations at very small q, where most of the interesting physics is taking place below one meV. The cold-neutron three-axis spectrometer MIRA with its excellent intrinsic q resolution makes it ideal for studying such excitations in incommensurate magnetic systems. Here we will present several examples for the dynamics of such structures which have been measured with MIRA.

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