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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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