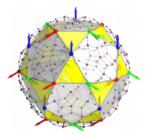
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Magnetic fluctuations in the iron-based superconductors

Tuesday, 4 June 2019 17:50 (20 minutes)

One of the most plausible scenario for the mechanism of the unconventional superconductivity is the magneticallymediate Cooper pair. The iron-based superconductors are much known as an unconventional type, thus a number of inelastic neutron scattering studies were reported to evidence a strong relationship between the spin excitations and superconductivity. Here we present recent progress on spin excitation studies of the ironbased superconductors mainly performed on the thermal neutron three axes spectrometer PUMA at MLZ.

Primary author: PARK, Jitae

Presenter: PARK, Jitae

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