Neutron scattering of modern magnetic systems

: Spintronics and 2D magnets

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Abstract

Technological developments have opened up research frontiers. Strong pulsed neutron sources encourage us to challenge novel measurements under new sample environments at state-of-the-art spectrometers. The sample itself is also important to get novel innovative results. Here, the current status and major outcomes of J-PARC MLF in Japan will be reported briefly. Then, I will show you our research examples of modern magnetic systems. They are spintronic device materials [1,2,3,4] and 2-dimensional magnetic systems [5] together with a new method of dynamic magnetic pair-density function analysis [6].

References

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