

Shaping the Future of Neutron Powder Diffraction

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Neutron powder diffraction is recognized as a powerful technique to clarify the relationship between the crystal structure and the properties of functional materials. Its application fields have been expanding in materials science, and prominent results obtained across a large number of diverse disciplines. New neutron powder diffractometers (NPD's), in various stages of construction at new facilities in Europe, Australia, the US and Asia, will exceed the present limits of application, and stimulate the existing 60 NPD's in the world. Some of these new diffractometer projects including the ones in Japan will be presented and the prospects for new scientific impact will be discussed.

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