

Neutron Optics

Pierre Courtois

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Neutron optics is a key component in neutron scattering experiments. They play the role of defining the beam conditions, i.e. direction, divergence, energy and polarization. Since the flux of neutrons is low, optical components have to be highly efficient. Properly designed, they can enhance the power of the source by 10 times, or even more. We give an overview of commonly used neutron optical components which can be based on diffraction, reflection, refraction and polarisation.