

Supplementary material: Novel Neutron Filter using Periodic Multilayers of Ferromagnetic and Paramagnetic Layers

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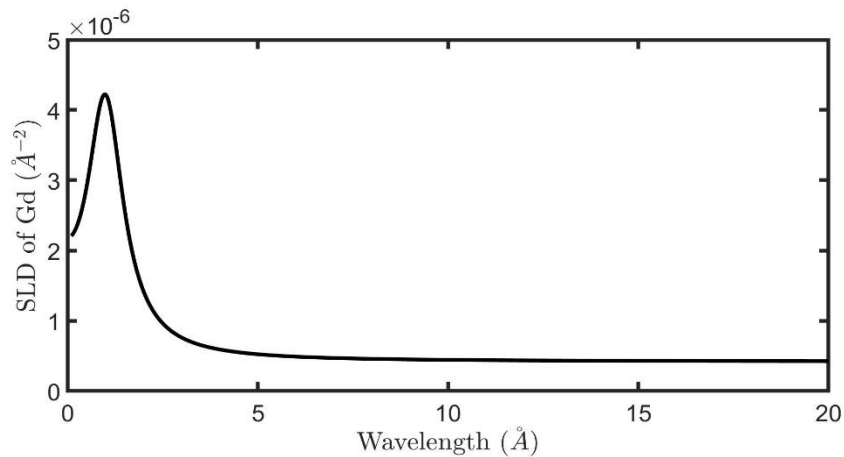


Fig. S1: SLD of Gd as a function of the wavelength.

The proposed structure can divide a broad band of neutron energies into small bands, as clear in Fig. S2. The schematic structure shows that the reflected neutron beam can be used in another application.

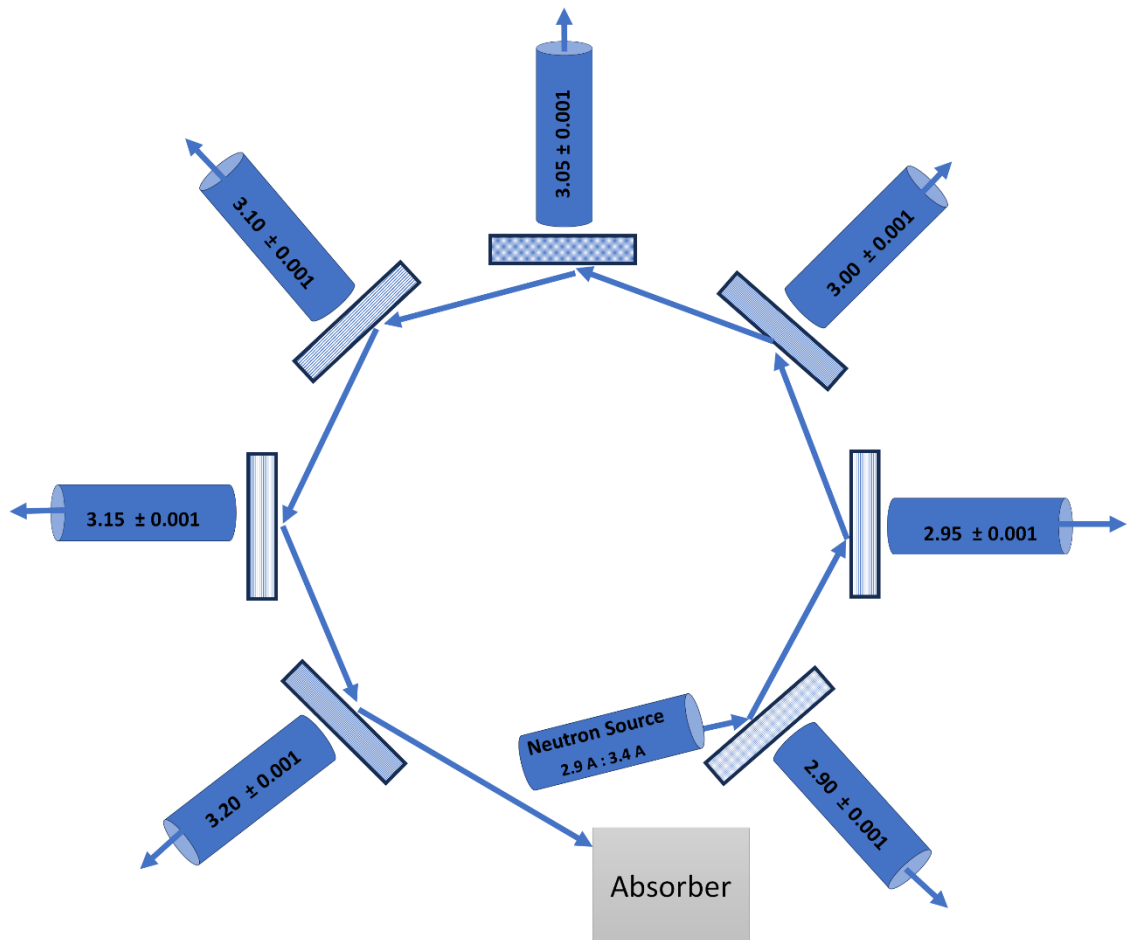


Fig. S2: Schematic of a proposed Neutron filter.