

Optics for Nuclear Resonant Scattering at High Energies

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Nuclear resonant scattering of synchrotron radiation provides a means to probe the dynamics and the chemical environment of a resonant isotope in any medium under a variety of conditions. The method will be presented along with current optical requirements. Extending the method to higher energies poses difficulties that require alternative optical schemes and further improvements in high-resolution monochromators. Work relevant to performing nuclear resonant scattering at high energies will be presented.

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