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**Resonant Compton scattering**

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**Abstract**.

The process of resonant Compton scattering in strong magnetic field is considered. The reaction probability is obtained as function of energy and propagation angles of initial particles. Absorption coefficient due to process is calculated in super strong magnetic field limit. The applicability limits have been found within which the narrow resonance peak approximation will yield sufficiently accurate results.

**Key words**: strong magnetic field, Compton process, resonance

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