

# **Neutrino processes in magneto-rotational model of supernova explosion**

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The magneto-rotational model of supernova explosion has become very popular in last few years. On the one hand, this is connected with the crisis of the spherically-symmetric model, which can predict successful explosion for low-massive star progenitors only. On the other hand, fast rotation and magnetic field generation can be a solution of this problem. It is known, that the interaction of neutrinos with the matter of a core-collapse remnant can strongly affect the dynamics of the explosion. Therefore, the inclusion of this phenomenon into the magneto-rotation model is necessary for a correct simulation of core-collapse supernova explosions.