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## High Flux Neutron Detection System

A high flux neutron detection system, integrating the neutron converter material  ${}^6\text{Li}$  and  ${}^{12}\text{C}$  and a highly sensitive mass spectrometer, is been developed to detect slow and fast neutrons. The reaction rates and neutron flux will be deduced from the analysis of the  ${}^4\text{He}$  atoms released with the mass spectrometer.

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