

The improved evaluation of the n+⁹Be system

Thursday 20 November 2025 15:00 (1 hour)

The global fitting for n+⁹Be system using RAC have been reported in 2022. In recent years, the improved Global fitting of the Reduced R-Matrix theory for n+⁹Be system has been carried out using the RAC. More detailed fitting for the cross section of the ⁹Be(n, tot) has been conducted. New measurement data of the differential cross sections for the ⁹Be(n, el) from China have been added into the fitting. Thus, the evaluation of the ⁹Be(n, 2n) have been improved.

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