

Neutron Cross Section Measurement of MA

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Neutron cross section of MA is one of the most important issues in nuclear data field. Over the last decade, significant progress has been done on the measurements of MA. However, the new measurements made it clear that there are still unacceptable discrepancies between the measurements. Current situation on these problems is discussed using the example of Np-237. To solve the problems clearly, further efforts should be done to deduce the experimental uncertainties significantly, and then compare the high quality results obtained independently each others. Possible approaches to this goal are also discussed.