

Neutron Diagnostics for D-D Fusion Neutron on KSTAR

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1. Introduction

Neutron spectrometers using high pressure ^3He ionization chambers, fission proportional chambers, and diamond based fast-neutron detectors have been designed and used to measure fast neutrons generated from D-D fusion plasmas on KSTAR.

In this paper, the states of neutron diagnostics on KSTAR is described.

2. Measurements

3. Results

4. Conclusions

In this work, fast-neutron diagnostics techniques have introduced through various neutron spectrometers currently in use on KSTAR.

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