

Service de Physique Nucléaire



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Séminaire

le vendredi 12 février 2010 à 11h

CEA-Saclay SPhN, Orme des Merisiers Bât. 703 Salle 135

Measuring the astrophysical S-factor in plasma

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Texas A& M

We discuss a method for a direct measurement of the astrophysical S-factor for neutron-less nuclear reactions induced in laser plasmas. A very preliminary experiment to test the concepts supporting our theoretical predictions was performed at the ENEA ABC-facility. The target material, shoot during a facility tuning up activity, was provided by LNS Laboratory. The preliminary results are reviewed as well as some theoretical predictions.

Le café sera servi 10 minutes avant, en salle 125

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