

IAEA's Coordinated Research Project (CRP) on beta-delayed neutron emission

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Beta-delayed neutron emission is a decay mode relevant not only in the field of nuclear reactor technology, but also in nuclear theory and astrophysics. The IAEA has been promoting studies of this decay mode for considerable time now. In this continued effort, a consultants' meeting was recently held at the IAEA in Vienna, from 10-12 October 2011 [1]. There, the consultants pointed out the need for an IAEA Coordinated Research Project (CRP). This talk will present the current status in the field, will review the situation of best known cases which have been selected as possible standards and conclude with the suggested objectives of the planned CRP.

References:

- [1] D. Abriola, B. Singh and I. Dillman, Summary Report of Consultants' Meeting on Beta-delayed neutron emission evaluation, IAEA Vienna, Austria, 10-12 October 2011, INDC(NDS)-0599, December 2011.
- [2] Web site: <http://www-nds.iaea.org/beta-delayed-neutron/>