

FOREWORD

The objective of the OECD-NEA Information Exchange Programme on Actinide and Fission Product Partitioning and Transmutation, established in 1989, is to enhance the value of basic research in the subject areas by participating Organisations by facilitating the exchange of information on and discussions of programmes, experimental procedures and results. This Programme is under the auspices of the OECD-NEA Committee for Technical and Economic Studies on Nuclear Energy Development and the Fuel Cycle and co-ordinated by the Nuclear Development Division.

The scope of the Programme includes information on all current and past research related to the areas:

1. Physical and Chemical Properties of Elements Generated in Nuclear Fuel Cycle:
 - a) Chemical properties and behaviour of the actinide species in aqueous & organic solution
 - b) Analytical techniques and methods
 - c) Physical and chemical properties of various actinide compounds
 - d) Collection and evaluation of nuclear and thermodynamic data of relevant elements
2. Partitioning Technology:
 - a) Partitioning of high-level liquid waste with wet and dry processes
 - b) Recovery of Platinum group metals-recovery technology
 - c) Fabrication technology of the fuel and target materials
 - d) Partitioning in the reprocessing process
3. Transmutation:
 - a) Transmutation with FRs
 - b) Transmutation with TRU burner reactors
 - c) Transmutation with proton accelerators
 - d) Transmutation with electron accelerators
4. Applications.

The Programme is open to all interested NEA Member countries contributing to the information exchange activities and the Commission of the European Communities. All Participants designated a Liaison Officer who is member of the Liaison Group (Annex I).

Other activities related to nuclear data, benchmark exercises and more basic science studies in relation to this Programme are conducted by the OECD-NEA Nuclear Science Division and Data Bank.

The Information Exchange Meetings are integral part of this Programme intending to bring a bi-annual review of the state-of-the-art of partitioning and transmutation and is co-organised by the Secretariat and major laboratories in Member countries.

An overview of activities on partitioning and transmutation and relevant publications are available on the www-page <http://www.nea.fr.html/p&t.html>

These proceedings include the papers presented at the 5th Information Exchange Meeting which was co-organised with the European Commission. The opinions expressed are those of the authors only, and do not necessarily reflect the views of any OECD Member country or international organisation. These proceedings were co-edited by OECD-NEA and the European Commission. They are published on the responsibility of the Secretary-General of the OECD.

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