Management of radioactive waste: from transmutation to bioremediation
INFN - Laboratori Nazionali di Frascati
Auditorium Bruno Touschek Monday April the 23rd, 2012

TENTATIVE AGENDA

9:00  Registration
9:30  Welcoming address
      Simone Dell'Agnello, LNF Coordinator for Interdisciplinary Research
9:40  Nuclear data for radioactive waste management
      Enrico Sartori, ex NEA-OECD, Paris, FRANCE
10:30 High-level waste (HLW) treatment, partitioning and transmutation
      Waclaw Gudowski, Royal Institute of Technology, Stockholm, SWEDEN
11:20 Accelerator-driven systems for nuclear transmutation
      Alexander Stanculescu, Idaho National Laboratory, Idaho Falls, USA
12:10 A fast neutron source for transmutation of nuclear waste
      Marco Ripani, INFN & Univ. of Genoa, Genoa, ITALY
12:30 Lunch break
14:30 Transmutation of radioactive waste in biological systems
      Vladimir I. Vysotskij, Kiev Shevchenko University, Kiev, UKRAINE
15:15 Phytoremediation options for radioactively contaminated sites evaluated
      Hildegarde Vandenhove, SCK-CEN, Mol, BELGIUM
16:00 Coffee break
16:15 Application of synchrotron-based techniques in bacterial/radionuclide interaction studies
      Mohamed Merroun, University of Granada, Granada, SPAIN
17:00 X-rays shine light on environmental clean-up: using synchrotron techniques for bioremediation
      Rizlan Bernier-Latmani, EPFL, Lausanne, SWITZERLAND
17:45 Harnessing microbial processes for the bioremediation of radioactive waste
      Jonathan R. Lloyd, University of Manchester, Manchester, UK
18:30 Closing Remarks