

Actinide XAS 2014

Tuesday 20 May 2014

Poster - Swiss Light Source (17:30 - 22:00)

-Conveners: Daniel Grolimund

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[41] Speciation of uranium sorbed on magnetite/maghemite nanoparticles: HR-XANES and «ab-initio» calculations	PODKOVYRINA, Yulia	1
[16] Neptunium characterization in uranium dioxide fuel: Combining a XAFS and a thermodynamic approach	CHOLLET, Melanie	2
[35] Se K-edge micro XANES on high-burnup UO ₂ spent nuclear fuel: First results in the framework of the FIRST-Nuclides project	Dr CURTI, Enzo	3
[36] XAFS investigation of a HAWC glass fragment issued from the Karlsruhe Vitrification Plant (VEK)	Dr DARDENNE, Kathy	4
[31] In-situ high temperature XAS experiments on oxide nuclear fuels and precursors	Mr LEBRETON, Florent	5
[26] X-Ray photoelectron spectral structure and chemical bonding in AmO ₂	Prof. TETERIN, Yury	6
[27] XPS structure and chemical bond nature in Cs ₂ PuO ₂ Cl ₄	Prof. TETERIN, Yury	7
[34] Plutonium oxidation state speciation in aqueous solution studied by Pu L and M edge high energy resolution XANES technique	Mr PIDCHENKO, Ivan	8
[10] Complexation of Americium(III) with chloride – A high-temperature EXAFS study	Dr FRÖHLICH, Daniel	9
[14] Complexation of actinides by ramified N-macrocyclic DOTA	Dr DUMAS, Thomas	10
[18] Comparative investigation of N donor ligand and lanthanide/actinide partitioning complexes from the metal and ligand point of view	Mr PRUESSMANN, Tim	11
[32] Impact of increasing MoO ₃ loading on the composition of multicomponent borosilicate glass	Mr BAHL, Sebastian	12
[21] Fingerprinting uranyl minerals with oxygen K-edge NEXAFS	Dr DUFFIN, Andrew	13
[19] Speciation and distribution of plutonium after uptake by Opalinus Clay as measured by synchrotron microbeam techniques	Mr KAPLAN, Ugras	14
[23] Application of positive matrix factorization and microscopic X-ray fluorescence spectroscopy in the examination of argillaceous rocks	Ms KÉRI, Annamária	15
[61] Structural studies of the Eu(III) and U(VI) interactions with pentapeptides	JEANSON, Aurelie	16
[8] Speciation of neptunium along diffusion pathways in Opalinus Clay using micro-XAFS and micro-XRF	Mr ROSEMANN, Prashanta Jonathan Benjamin	17
[50] Real-time-resolved observation of complexation reaction of U Ions by using dispersive XAFS technique	Dr MATSUMURA, Daiju	18
[66] Improved corrosion resistance of zirconium alloys: Enlightening the mode of action of Nb doping by complementary hard x-ray chemical microscopy techniques	Dr SAMSON, Vallerie Ann	19