

Appendix 26

Project summary and recommendations ISTC CEG P&T Meeting Brussels, Jan. 22-23, 2007

ISTC #	Short title	Leading laboratory	Status	Comments	Requested funding (k\$) (Month)	Action
1372	Transmutation Effectiveness of Nuclear Waste	IPPE	8	Interest for benchmark integral experiment. Proposal #6 presentation prepared by IPPE. Accuracy of experimental data to be checked	Follow-up 60 24	Check experiment accuracy, then FZK support
1606	Molten Salt Loop for Waste and Plutonium Disposal	Kurchatov	6	Follow up LIST project proposal for 48 months, no ISTC number specified, no cost estimate	?	Complete proposal
1749	Fission Cross Sections for Minor Actinides	IPPE	3	Included in new proposal for partnership project with EUROTRANS partner	680 36	Support for finalized partnership proposal
2253	Investigation of the Delayed Neutron Characteristic	IPPE	6	Status and perspectives presented by V. Furman. Project on schedule. No new proposal	360 24	No action
2267	Sub-critical Assembly Driven by Proton Accelerator (SAD)	JINR	6	Problems with future funding, presentation by V. Furman.	800?? 24+12?	Observe ROSATOM actions
2405	Experimental nuclear physics data for Transmutation	VNIIEF	6	Follow-up project of #1145 presented by V. Batyaev. Project #2405 on schedule. Follow-up Pb-target activation, Actinide fission cross sections in ADS spectrum	595 24 Follow-up not yet specified	No action
	Nuclear Data Library for	KRI	6	Synenergy with B1108, CEA support? Prepare	204	Support approval of

2524	Heavy Nuclei			follow-up project together with B1108 proposer	36	prolongation together with B1108
2573	Laser Separation of Lead Isotopes	EFREMOV	8	Status presented by EC collaborator C. Broeders. Project stopped due to non technical reasons	800 24	Consider alternative projects for isotope separation carefully
2578	Analysis of Radwaste Transmutation Data	INPE	8	Presentation of final report, proposal for follow-up projects: 1) "Analysis of spallation product effects on ADS safety", 2) "Proliferation resistance", 3) "Nuclear system analysis"	80 9 No estimates for follow-up	Topics not of high priority. Cooperation with other nuclear data proposals?
2952	Minor Actinides Fission Cross-Sections	VNIIEF	3	Included in new proposal for partnership project with EUROTRANS partner		Support approval finalized partnership proposal
3143	Fission Platinoids Recovery	VNIINM	2	From list of L. Tocheny. HLLW management. Support from EC and USA.	467	Support approval?
3192	Fission fragments of Th-232 and U-238	KRI	6	On-going KRI project	?	Relevant for new proposal #3751
3261	Study of curium thermodynamics in molten chlorides	RIAR	6	Presented by M. Kormilitsyn Project 3261 on schedule. Phase 2 proposal in preparation	280 24	Wait for follow-up proposal
3266	Structure Materials of Accelerator-Driven Systems	ITEP	6	Follow-up project of #2002 presented by V. Batyaev. Project 3266 on schedule.	430 36	No action
3366	Fragments of fission by intermediate energy neutrons	KRI	6	Ongoing KRI project	?	Relevant for new proposal #3751
3486	Neutron Source Based on Electron Acceleration for Transmutation	KRI	3	After stop of TRADE and main part of RACE in IP EUROTRANS, reminded by S. Yavshits	?? ??	No action

3567	Fullerene-containing Carbon Matrices for Transmutation of Iodine	KRI	2/3 *)	Presented by S. Yavshits, also on list of L. Tocheny	300 36	?
3574	Accelerator-Driven Systems for Transmutation	Kurchatov	2/3 *)	From list of L. Tocheny	360 ??	?
3608	Minor Actinide Transmutation in Inert Matrices Fuels	IPPE	2/3 *)	MATINE2: Presentation by L. Zaboudko GB 2006 no final decision	500 ??	Support approval of continuation
3652	Long-Lived Radionuclides Separation	KRI	2/3 *)	List of L. Tocheny Only collaborators from USA	260 ??	No action from EC
3751	Fission product yields	KRI	2	Follow-up proposal ISTC #3192 and #3363	170 30	Support approval of #3751 **)
B070	Transmutation by Usage of N-Generator	JIPNR Minsk	6/8 *	Status and perspectives for follow-up by H. Kiyavitskaya. Follow-up in preparation	552 80	Support for follow-up project
B1108	Actinides Neutron Data for High Energy	JIPNR Minsk	3	Perhaps new list of isotopes	?? ??	Support revival together with #2524

*) Status code has been changed in 2007 **) Recommendation by chairman

Status codes:

1	5 approved for funding, PA under preparation
2 submitted to parties for board decision	6 project underway
3 approved without funding	7
4	8 project completed