

Technical Meeting on Compatibility Between Coolants and Materials for Fusion Facilities and Advanced Fission Reactors

Thursday, 2 November 2023

Compatibility of materials and coolants in nuclear reactors' environment - M5, Ground Floor, M Building (14:00 - 17:40)

-Conveners: Tarek Nagla

time	[id] title	presenter
14:00	[80] The water cooled performance for fusion anf fission reactors	Mr NAGLA, Tarek
14:20	[81] Cracking of neutron irradiated austenitic stainless steels in light water reactor environments	Mr CHEN, Yiren
14:40	[82] Surface Modification Methods of Zirconium Alloy fuel cladding Tube for Mitigation of corrosion product deposit in simulated PWR primary coolant	Mr SHIM, Hee Sang
15:00	[83] Effects of sodium exposure on grade 91 steel	Mr CHEN, Yirin
15:20	[84] Investigation of VVER-440 RPV surveillance test specimens from Armenian NPP	Mr PETROSYAN, Vahram
15:40	Coffee Break	
16:00	[85] Some challenges to adapt nuclear codes and standards to innovation	Ms PETECH, Cecile
16:25	[86] Effect of water addition on mitigation of severe accident consequences	Mr ALI, Abdelfattah
16:50	[87] Mechanism of the local corrosion of fuel element cladding due to decomposition of hydrogen solutions in the neighbourhood of the coolant saturation temperature	Mr IVANOV, Alexander
17:15	[88] Applicability of Coolant Materials in Hybrid Fission-Fusion Nuclear Reactors	Ms GERVASONI, Juana