9th Annual RaDIATE Collaboration Meeting

lunes, 16 de septiembre de 2024

Talks: Talks (10:15 - 10:50)

time	[id] title	presenter
10:15	[68] Irradiation Capabilities of IFMIF-DONES and Future Research Opportunities	Dr. TORREGROSA-MARTIN, Claudio

Talks (11:20 - 12:35)

time	[id] title	presenter
11:20	[64] Overview of IFMIF-DONES Lithium Systems	MAESTRE, Jorge
11:45	[55] Proton beam irradiation facility at J-PARC and activity on displacement damage study	MEIGO, Shin-ichiro
12:10	[63] RaDIATE activities at J-PARC	MAKIMURA, Shunsuke

Talks (14:00 - 15:15)

time	[id] title	presenter
14:00	[75] FRIB Facility Status Update	STOLZ, Andreas
14:25	[71] Nuclear materials research at the University of Birmingham	Prof. CHIU, Yu-Lung
14:50	[79] Post irradiation examination techniques for characterization of highly irradiated components at the Spallation Neutron Source	MCCLINTOCK, David

Talks (15:45 - 17:15)

time	[id] title	presenter
15:45	[72] Insights into radiation resistance of titanium alloys from displacement cascade simulations	ROY, Ankit
16:10	[81] LANSCE Activity Overview	SALEH, Tarik
16:35	[80] Low Energy Proton and Helium Beam Irradiation and Post Irradiation Examination Plan for the Study of Second Target Station Beam Interception Materials	LEE, Yong Joong

martes, 17 de septiembre de 2024

Talks (9:00 - 10:40)

time	[id] title	presenter
9:00	[59] CIEMAT Hot cells project for DONES samples	VILA, Rafael
9:25	[70] Investigation of radiation damage of fine-grain graphite for target applications	COMYN, Alex
9:50	[65] Innovative experimental approaches to understand microstructural defect evolution during irradiation under high-temperature and mechanical strain	ROLDÁN BLANCO, Marcelo
10:15	[60] Ab initio study of cementite – α-Fe interfaces under irradiation	CANCA LÓPEZ, Pablo

Talks (11:20 - 12:30)

time	[id] title	presenter
11:20	[56] Assessment and comparison of EUROFER97 transmutation in IFMIF-DONES and DEMO	ÁLVAREZ CASTRO, Irene
12:05	[58] Towards a Standardised Methodology of Radiation Damage Defect Distributions for Microstructure Evolution Models	GUTIÉRREZ CAMACHO, Abel Carlos

Talks (14:00 - 15:40)

time	[id] title	presenter
14:00	[61] Machine Learning Interatomic Potentials for Fusion Oriented Materials	DELGADO GALINDO, Pedro Julián
14:25	[67] Novel materials for high-power accelerator components	AMMIGAN, Kavin
14:50	[73] Computational Exploration of High Entropy Alloys as Promising Materials for Future Beam Windows	ARORA, Gaurav

Talks (15:45 - 16:35)

time	[id] title	presenter
15:45	[74] Multiphysics Simulations of Nanofibrous High Power Targets for the Inference of Failure Modes	ASZTALOS, William
16:10	[78] Challenges and opportunities for the thermal interface selection and diffusion bonding in the STS target segment	MACH, Justin

miércoles, 18 de septiembre de 2024

Talks (9:00 - 10:40)

time	[id] title	presenter
9:00	[66] In-situ observation of deformation mechanisms in fine-grained nuclear graphite by high temperature disc compression	MARROW, James
9:25	[57] Study of Thermal Requirements in the HFTM using Finite Element and Monte Carlo Simulations.	PALOMINO COBO, José Miguel
9:50	[62] Dynamic Thermomechanical Simulations of IFMIF-DONES Target's Back-Plate failure	VÁZQUEZ BARROSO, Manuel Antonio
10:15	[82] Developments on RaDIATE-related R&D for CERN's Beam Intercepting Devices	SOLIERI, Nicola

Talks (11:20 - 12:40)

time	[id] title	presenter
11:20	[69] Simulating Radiation Damage in ISIS Targets	WILCOX, Dan
11:45	[77] Nuclear-grade Graphite as Target Material for High Energy Physics Applications	LIU, Dong (Lilly)
12:10	[84] RaDIATE Material Groups kickoff meeting	

Talks: Closing session (14:00 - 15:00)

time	[id] title	presenter
14:00	[88] Closing session	PELLEMOINE, Frederique