

2023 RaDIATE Collaboration Meeting

Monday, June 26, 2023

Talks: Updates (1) - Room B (11:10 AM - 11:40 AM)

time	[id] title	presenter
11:10 AM	[19] RaDIATE activities in the UK – an update	EARP, Philip

Talks: Updates (2) - Room B (1:10 PM - 2:10 PM)

-Conveners: Kavin Ammigan

time	[id] title	presenter
1:10 PM	[17] Developments on RaDIATE-related R&D for CERN's Beam Intercepting Devices	SOLIERI, Nicola
1:40 PM	[8] RaDIATE activities at J-PARC	Dr MAKIMURA, Shunsuke

Talks: Updates (3) - Room B (2:40 PM - 3:40 PM)

-Conveners: Kavin Ammigan

time	[id] title	presenter
2:40 PM	[6] Material Irradiation Studies at ISAC-TRIUMF: Progress, Highlights, and Prospects	Dr PAMIES, Ferran
3:10 PM	[9] Updates in Material R&D for multi-MW Accelerator Components under US-Japan and RaDIATE Collaboration in High Energy Physics	BIDHAR, Sujit

Tuesday, June 27, 2023

Talks: Invited Talk - Room B (9:00 AM - 9:40 AM)

-Conveners: Shunsuke Makimura

time	[id] title	presenter
9:00 AM	[24] Non-destructive Characterization of Nuclear Materials Through X-ray Absorption And Diffraction Contrast Tomography: Case Study on Surrogate TRISO Particle	Dr TOPSAKAL, Mehmet

Talks: BNL Activities - Room B (9:40 AM - 10:10 AM)

-Conveners: Shunsuke Makimura

time	[id] title	presenter
9:40 AM	[26] Low current irradiation experiments at BLIP to address nuclear data needs	Dr MEDVEDEV, Dmitri

Talks: Updates (4) - Room B (10:40 AM - 11:40 AM)

-Conveners: Shunsuke Makimura

time	[id] title	presenter
10:40 AM	[22] Production of Radioisotopes using Secondary Neutrons at the Brookhaven Linac Isotope Producer	Dr SKULSKI, Michael
11:10 AM	[13] Irradiation campaign and PIE needs for STS target systems R&D	LEE, Yong Joong

Wednesday, June 28, 2023

Talks: Invited Talks - Room B (9:00 AM - 10:20 AM)

-Conveners: Nicola Solieri

time	[id] title	presenter
9:00 AM	[33] Center for Functional Nanomaterials	NYKYPANCHUK, Dmytro
9:40 AM	[34] Opportunities for Materials Science at Brookhaven's Light Source (NSLS-II)	DOORYHEE, Eric

Talks - Room B (10:50 AM - 11:50 AM)

-Conveners: Nicola Solieri

time	[id] title	presenter
10:50 AM	[10] Crystal damage and porosity evolution in proton irradiated POCO graphite	JIANG, Ming
11:20 AM	[5] Measurement of displacement cross section for high-energy protons and future plan for material damage using 400 MeV protons at J-PARC	Dr MEIGO, Shin-ichiro

Thursday, June 29, 2023

Talks: Invited Talk - Room B (9:00 AM - 9:40 AM)

-Conveners: Yong Joong Lee

time	[id] title	presenter
9:00 AM	[35] Medical Isotope Research and Production/BLIP	CUTLER, Cathy

Talks - Room B (9:40 AM - 10:40 AM)

-Conveners: Yong Joong Lee

time	[id] title	presenter
9:40 AM	[14] Novel Materials R&D for Next-Generation Accelerator Target Facilities	AMMIGAN, Kavin
10:10 AM	[16] Design and Study of High Entropy Alloys for Next Generation Beam Windows	CRNKOVICH, NICHOLAS

Talks - Room B (11:10 AM - 12:10 PM)

-Conveners: Yong Joong Lee

time	[id] title	presenter
11:10 AM	[15] Exploring High Entropy Alloys for Next-Generation Beam Windows: A Computational Approach	ARORA, Gaurav
11:40 AM	[18] Multiphysics Modeling and Simulation for the Development of a Nanofiber Target Concept	ASZTALOS, William

Talks - Room B (1:30 PM - 2:30 PM)

-Conveners: Shin-ichiro Meigo

time	[id] title	presenter
1:30 PM	[12] FRIB Linac Beam-Intercepting Device Material Challenges	Dr KANEMURA, Takuji
2:00 PM	[11] Thermal shock study of clad and bare tungsten target samples	MACH, Justin

Talks - Room B (3:00 PM - 4:30 PM)

-Conveners: Shin-ichiro Meigo

time	[id] title	presenter
3:00 PM	[21] LBNF Nu Beamline Radiation Damage R&D Needs	HURH, P.
3:30 PM	[23] LBNF Nu Upstream Decay Pipe Window Radiation Damage R&D Needs	PETERSON, Quinn
4:00 PM	[20] Updates to the RaDIATE Collaboration from PNNL	Dr CASELLA, Andy

Friday, June 30, 2023

Talks: Invited talk - Room B (9:00 AM - 9:40 AM)

-Conveners: Frederique Pellemoine

time	[id] title	presenter
9:00 AM	[40] The Proposed High Energy Effects Testing facility at BNL's AGS	BROWN, Kevin