

Title:	Joint session (BeWS17&CBBI22)	
Location:	Obaku Plaza, Kyoto university	
Date:	2025/10/6	

2025/10/6

Start	End	Time	Item	Presenter	Chair
9:10 AM	9:20 AM	0:10	Welcome (by a chair of BeWS and CBBI)		
9:20 AM	9:50 AM	0:30	DFT study of hydrogen at the internal surfaces of Be12Ti	Pavel VLADIMIROV	Chris DORN
9:50 AM	10:20 AM	0:30	Current Plans for the HCCP TBM testing in ITER and Brief Overview of R&D Activities on the European Ceramic Breeder	Milan Zmitko	
10:20 AM	10:50 AM	0:30	Break		
10:50 AM	11:20 AM	0:30	ORNL Status and Progress in Research on Ceramic Breeder Blanket Material Xia-Ying Yu		Pavel VLADIMIROV
11:20 AM	11:50 AM	0:30	Current R&Ds on advanced breeding functional materials for JA DEMO activities	Jaehwan KIM	
11:50 AM	12:20 PM	0:30	Overview of Breeding Blanket Technology Development in Korea	Mu-Young Ahn	
12:20 PM	1:30 PM	1:10	Lunch		
1:30 PM	1:50 PM	0:20	Modelling fracture properties on Beryllium as function of crystal orientation	Alvaro Martinez-Pechero	Ramil GAISIN
1:50 PM	2:10 PM	0:20	High temperature stability of Li-Be hybrid ceramics in steam for solid breeding blanket with inherent safety	Keisuke MUKAI	
2:10 PM	2:30 PM	0:20	Evaluation of the mechanical and thermal properties of plasma sintered Be12Ti	Taehyun HWANG	
2:30 PM	2:50 PM	0:20	Tritium and helium release from beryllium and titanium beryllide irradiated to high neutron doses: Comparative influence of geometric and microstructural factors	Vladimir CHAKIN	
2:50 PM	3:10 PM	0:20	Experimental measurement threshold displacement energy of beryllium	Pingping LIU	
3:10 PM	3:40 PM	0:30	Break		
3:40 PM	4:00 PM	0:20	Investigation of Gas Retention Behavior in Ion-Irradiated Beryllium for Neutron Multiplier Applications	Reima Nishibayashi	Pingping LIU
4:00 PM	4:20 PM	0:20	Effect of neutron irradiation temperature on the defects formation in beryllium and beryllides	Michael KLIMENKOV	
4:20 PM	4:40 PM	0:20	The evaluation of hydrogen retention properties and bubble behaviors of Be12Ti	Yutaka SUGIMOTO	
4:40 PM	5:00 PM	0:20	Simultaneous measurement of microstructure evolution and gas desorption behavior for Beryllium and Beryllide under ion irradiation and post-annealing by in-situ TEM	Hiroto TSUKAMOTO	
5:00 PM	5:20 PM	0:20	Long-Term Thermocycling of Titanium Beryllide Blocks under EU-DEMO-Relevant Conditions	Ramil GAISIN	
5:20 PM	5:40 PM	0:20	Deuterium Retention and Release in Zirconium Beryllide	Inesh Kenzhina	
5:40 PM	6:00 PM	0:20			
6:00 PM	7:30 PM	1:30	Transportation to dinner place by bus (at 6:00 PM)		
7:30 PM	9:30 PM	2:00	Conference dinner		
ADJOURN					

Title:	Joint session (BeWS17&CBBI22)	
Location:	Obaku Plaza, Kyoto university	
Date:	2025/10/7	

2025/10/7

Start	End	Time	Item	Presenter	Chair
9:10 AM	9:40 AM	0:30	Rockland Resources and Beryllium as a Critical Mineral in Clean Energy Research	Chris DORN	TBD
9:40 AM	10:10 AM	0:30	Impact of various HCPB blanket modifications for the new EU-DEMO baseline on tritium breeding ratio and neutron shielding performance	Roman fanasenko	
10:10 AM	10:40 AM	0:30	Break		
10:40 AM	11:10 AM	0:30	Neutronics experiments on the mock-ups of WCCB and COOL blanket under D-T neutron irradiation conditions	Qingjun Zhu	TBD
11:10 AM	11:40 AM	0:30	Permeation-against-vacuum extraction of hydrogen isotopes in a forced convection FLiBe loop	Alexander HINZ	
11:40 AM	12:10 PM	0:30	Design status of the European DEMO Helium Cooled Pebble Bed breeding blanket	Guangming Zhou	
12:10 PM	1:30 PM	1:20	Lunch		
1:30 PM	1:50 PM	0:20	An Update on Beryllium Manufacturing in the United States	Keith Smith	TBD
1:50 PM	2:10 PM	0:20	Dissolution enhancement effect by microwave heating on poorly soluble beryl as beryllium ore	Suguru NAKANO	
2:10 PM	2:30 PM	0:20	Heat transfer enhancement in vertical triplex-tube latent heat thermal energy storage system by dispersing BeO nanoparticles in the PCM	Bakytzhan Assilbekov	
2:30 PM	2:50 PM	0:20	The Beryllium Health & Safety Committee and the 2nd Edition of “A Practitioner’s Guide to Beryllium Hazard Management	Chris DORN	
2:50 PM	3:10 PM	0:20	Retention of fuel in Beryllium inner walls of tokamak chambers	Eduardo ALVES	
3:10 PM	3:40 PM	0:30	Break		
3:40 PM	4:00 PM	0:20	Recent Lab Scale Experience with FLiBe from Test Initiation to Decontamination	Luke OLSON	TBD
4:00 PM	4:20 PM	0:20	Preparation of liquid lithium electrode for the electrochemical processing of molten salt FLiBe	Juro YAGI	
4:20 PM	4:40 PM	0:20	Colorimetric Detection of Beryllium (CodeBe)	Tristan Kennelly	
4:40 PM	5:00 PM	0:20	Summary of BeWS17 and announcement of site tour	Kim&Hwang	
5:00 PM	5:10 PM	0:10			
5:10 PM	5:20 PM	0:10	ADJOURN		
ADJOURN					

Title:	Joint session (BeWS17&CBBI22)
Location:	Kyoto university
Date:	2025/10/8



2025/10/8

Start	End	Time	Item
9:30 AM	10:00 AM	0:30	Departing from the Obaku hall to Kyoto Fusioneering site at 9:30 AM
10:00 AM	12:00 PM	2:00	Site Tour at Kyoto Fusioneering
12:00 PM	12:20 PM	0:20	Obaku hall
12:20 PM	1:30 PM	1:10	Lunch by individuals
1:30 PM	3:50 PM	2:20	Site Tour at Kyoto University if requested
3:50 PM			ADJOURN

Gold sponsors



MiRESSO



GENERAL DYNAMICS
Mission Systems



Silver sponsors



Special support



本事業は、京都府及び公益財団法人京都文化交流
コンベンションビューローの助成金を活用し実施しています。

This work also was
supported by the
"ZE2025D-04"