JET ILW J-EU TV meeting

1. Current status
	1. Final report
	2. Press release: 1st July?ryoukai
	3. Research activities in Rokkasho
2. Research plan in 2020
	1. Divertor tiles

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| W coated CFC tiles (ILW-1) | tritium (Full Combustion), chemical states (XPS), Gases retention (TDS) |
| W lamella tiles (ILW-1) | microstructure on gap surfaces (SEM, FIB-TEM), composition and chemical states (EDS, EPMA, XPS), Gases retention (TDS) (?) |
| W coated CFC tiles (ILW-3) | microstructure (SEM, FIB-TEM), composition and chemical states (EDS, EPMA, XPS), Gases retention (TDS), tritium (Full Combustion) |
| W lamella tiles (ILW-3) | will be shipped. |

* 1. Be tiles

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| 2XR10 (ILW-1)  | microstructure (SEM, FIB-TEM), composition and chemical states (EDS, EPMA, XPS), Gases retention (TDS), with focusing on gap surfaces |
| 4D14 (ILW-1)  | microstructure (SEM, FIB-TEM), composition and chemical states (EDS, EPMA, XPS), Gases retention (TDS), with focusing on gap surfaces |
| 2BC2 (ILW-1)  | microstructure (SEM, FIB-TEM), composition and chemical states (EDS, EPMA, XPS), Gases retention (TDS), with focusing on gap surfaces |
| No exposed: TT2 |  |
| 2XR10 (ILW-3) | microstructure (SEM, FIB-TEM), composition and chemical states (EDS, EPMA, XPS), tritium (IP, BIXS), Gases retention (TDS) |
| 4D14 (ILW-3) | microstructure (SEM, FIB-TEM), composition and chemical states (EDS, EPMA, XPS), tritium (IP, BIXS), Gases retention (TDS) |
| 2BC2 (ILW-3) | microstructure (SEM, FIB-TEM), composition and chemical states (EDS, EPMA, XPS), tritium (IP, BIXS), Gases retention (TDS) |

* 1. Dust

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| After the last C wall | composition and chemical states (EDS, EPMA, XPS), microstructure (SEM, FIB-TEM) |
| After the ILW-1 | composition and chemical states (EDS, EPMA, XPS), microstructure (SEM, FIB-TEM) |
| After the ILW-3 | composition and chemical states (EDS, EPMA, XPS), microstructure (SEM, FIB-TEM) |

1. Analyses plans in July
	1. Y. Hatano: tritium (IP and BIXS) and composition (EPMA) analyses of Be samples
	2. Y. Oya: XPS analysis of lamella tiles, and XPS and TDS analysis of W coated tiles
	3. Y. Torikai: Full combustion of W coated tiles
2. Conferences and paper submissions
	1. PSI: Y. Hatano, January 2021, but the deadline of paper submission is 31 July.
	2. IAEA FEC: Y. Torikai, May 2021, and the deadline of proceedings is April 2021.
	3. APSOT-3: no submission from JP
	4. Preparation of paper
		1. Results of full combustion of ILW-1 and -3 dust
		2. Analyses of remaining tritium on plasma facing surfaces in JET ILW

A summary of results obtained by a broad range of technique: IP, BIXS, TDS, FCM, IP+EPMA, outgas,…