Summary slide

For

Behaviors of ITER EHF FW under high heat flux for mock-ups manufactured by HIP joining technology

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Paper Number: FIP/P4-10

- 1. The ITER EHF FW panel will have a surface heat load of 4.7MW/m², its capability was demonstrated by small scale mock-ups made by HIP joining technology;
- 2. 12x12mm² Be tiles and larger Be tile by castellation into this size are acceptable for the EHF FW panel.
- 3. Post-HHFT examination revealed the failure mechanism for mock-ups with larger Be tiles. For better performance, optimizing interlayer Cu film shall be done in future.
- 4. Mock-ups with artificial defects for acceptance evaluation were made and to be high heat flux tested to decide the production acceptance criteria.