## TECHNOLOGIES FOR PLASMA-FACING WALL PROTECTION IN EU DEMO FIP/2-2

UK Atomic Energy Authority

SION

THOMAS R. BARRETT ET AL., CCFE, UK tom.barrett@ukaea.uk

Discrete limiters are investigated to protect the EU DEMO wall from plasma transients

633053. The views and opinions expressed herein do not necessarily reflect those of the European Commission



Upper limiter PFC designed to minimise temperatures due to extreme energy events.

Performance against a postulated 100 MJ/m<sup>2</sup> event is shown. The design of PFCs to survive beyond critical heat flux is a new design philosophy.



**Outer equatorial**