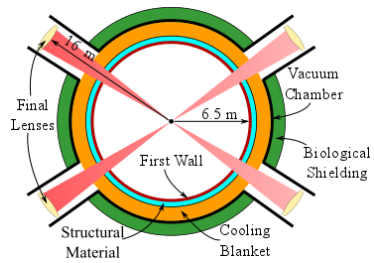




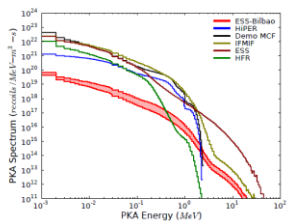
Ángel Rodríguez Páramo

Industrial Engineering in ETSII-UPM
PhD in Nuclear Science and Technology

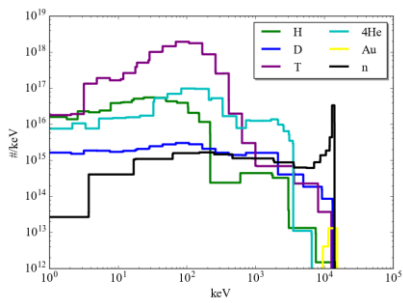
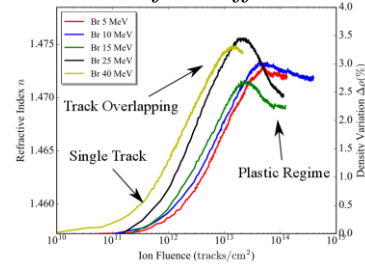
PhD Thesis: Effects of irradiation on plasma facing materials in HiPER Laser Fusion Power Plant: Silica Final Lenses and Tungsten First Wall



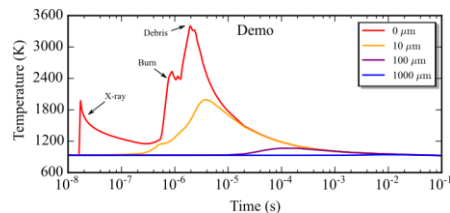
Irradiation Characterization
(dpas, gas, PKAs)



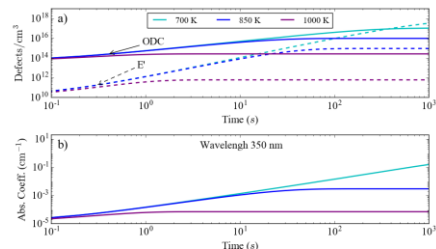
Surface Effects



Thermo-Mechanical Response



Colour Centres

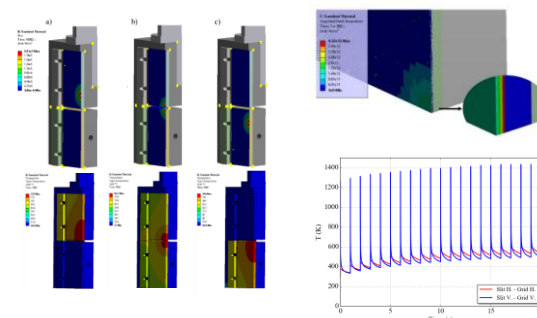


PBI Group ESS-Bilbao

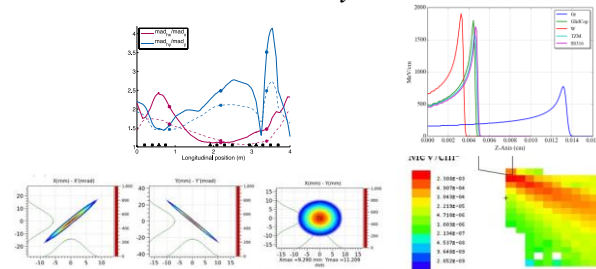
ESS-Bilbao: Design and manufacturing of the ESS MEBT PBI: Faraday Cup, Wire Scanners, Scrappers and Emitance Meter Unit. Mechanical (CATIA) thermomechanical (Ansys) irradiation effects (SRIM, MCPNX) analysis, product specifications and project follow-up.

Design

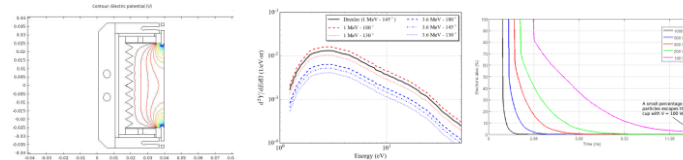
Thermo-Mechanical



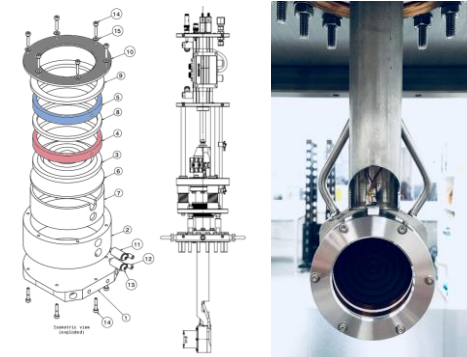
Irradiation Analysis



Secondary Electron Emission



Manufacturing



Tests & Integration



Extra Figures

