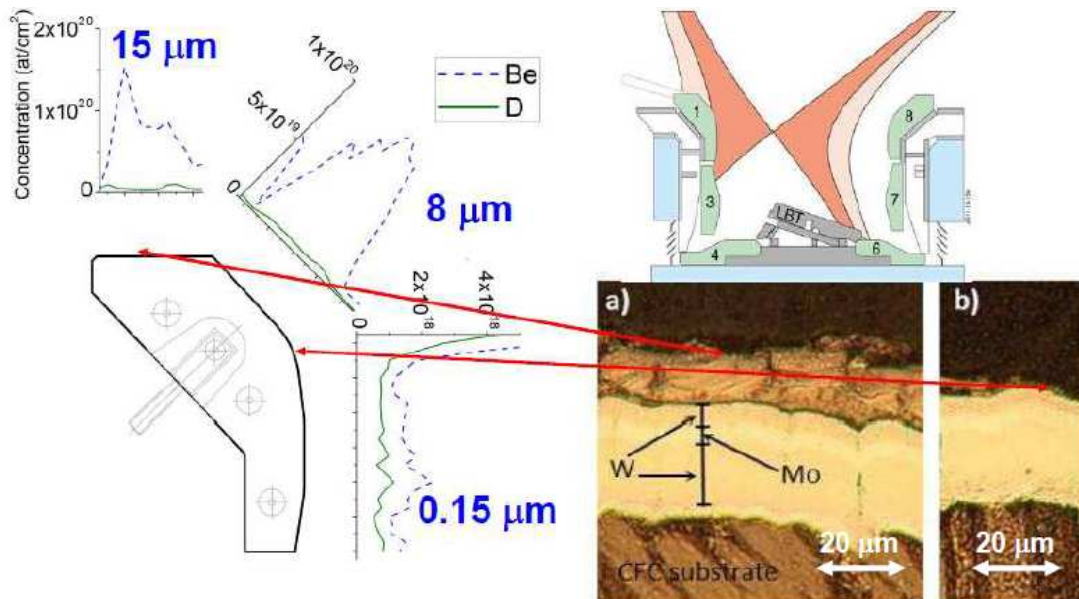


The aim: To determine material migration and fuel retention by comprehensive ex-situ analyses of PFC and probes retrieved from JET after campaigns.

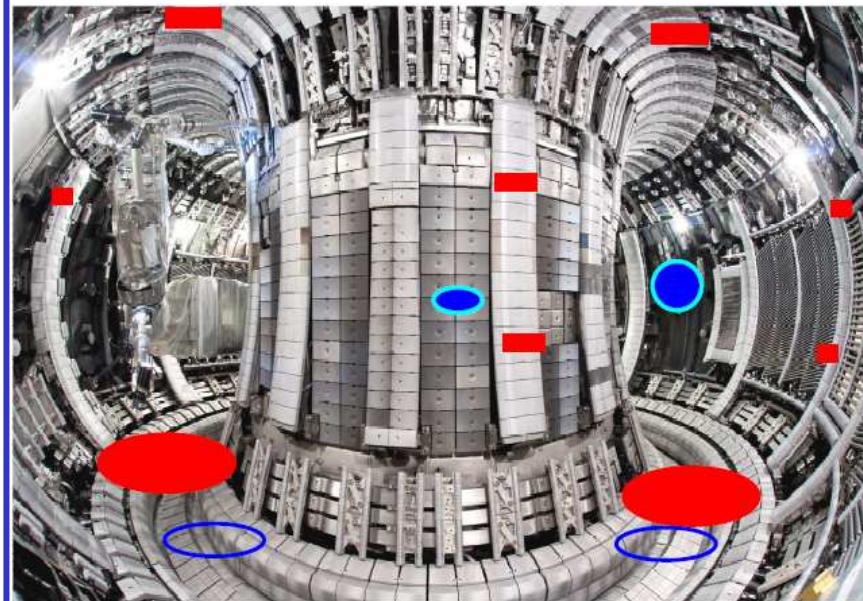
Major results:

- ❖ Beryllium is the main element of co-deposits in the divertor.
- ❖ In JET-ILW deposition and fuel inventory are strongly reduced (20x) in comparison to JET-C.
- ❖ The thickest deposits (15 μm) are on the apron of Tile 1 in the inner divertor.
- ❖ The amount of dust below 2 μm , while over 400 g in JET-C.

Be and D co-deposition on the divertor Tile 1 in JET-ILW.



Erosion-deposition diagnostics in JET: Be and W marker tiles, wall probes.



Comparison of deposition on the divertor Tile 4 in JET-C and JET-ILW.

