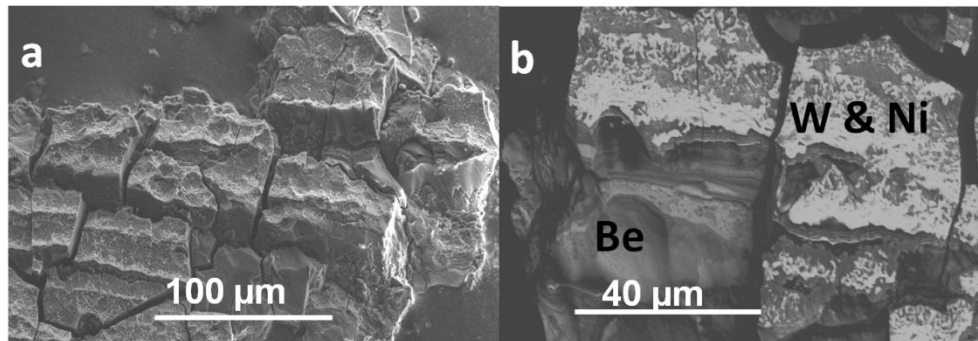
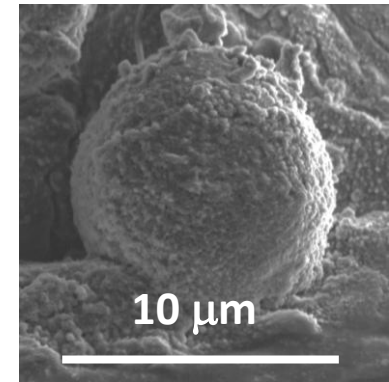


Detailed Survey of Dust Particles from JET with the ITER Like Wall: Origin, Composition and Internal Structure (EXS/P6-20)

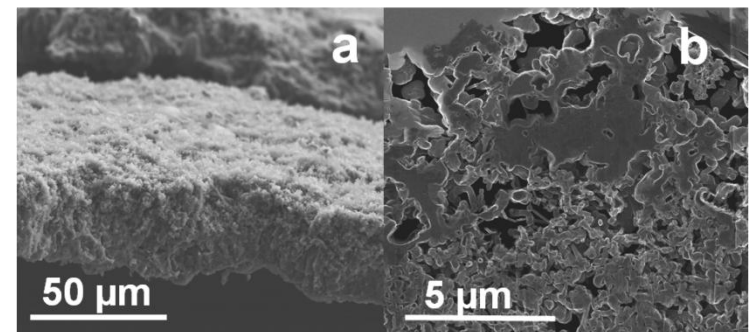


Dust survey at JET after the second campaign with the ITER-Like Wall: 2013-2014.

- ✓ The most important result: small amount of loose matter (1.5 g level).
- ✓ Four classes of dust particles have been identified:
 - *mixed co-deposits rich in beryllium*
 - *small metal droplets (Be, W, Ni, 3-10 μm) born in melting events*
 - *flakes of tungsten coatings detached from the W-coated tiles*
 - *tungsten spheroids: thin shell (0.5 μm) with empty interior.*



Thick co-deposits from the deposition zone of Tile 0 (high field gap closure tile, inner divertor).



***Be-rich co-deposit on the divertor carrier under Tile 6 (outer divertor):
a) fractured edge, b) internal structure.***