



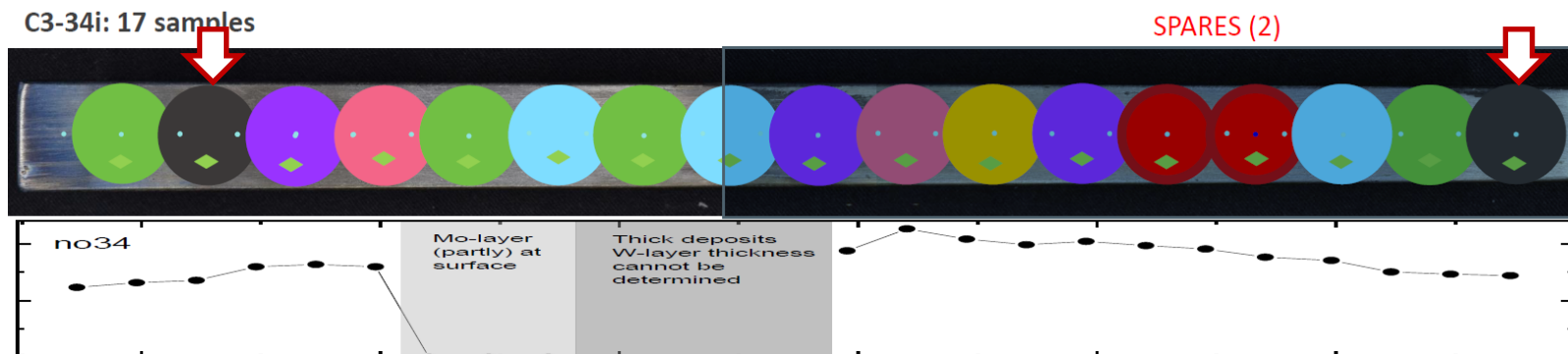
Ex-situ LIBS analysis of WEST divertor wall materials

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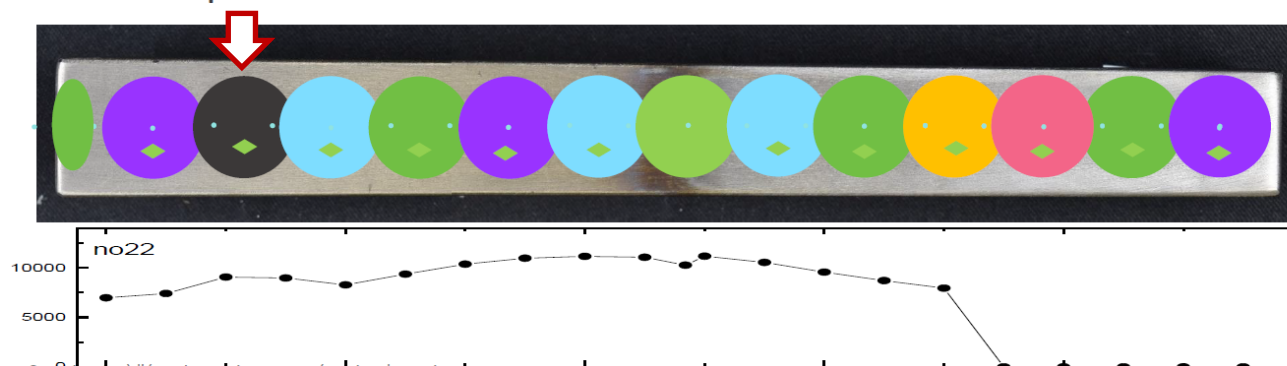


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Samples for LIBS studies



C3-22o: 13 samples



VR (NRA, PIXE, ERDA)
+ IPPLM (SEM, TEM)
VTT (SIMS)
RBI (RBS, toF-ERDA)
JSI (μ NRA, ERDA)
IAP (GDOES)
UT (LIBS)



W - 900 nm
Mo - 100 nm

VTT

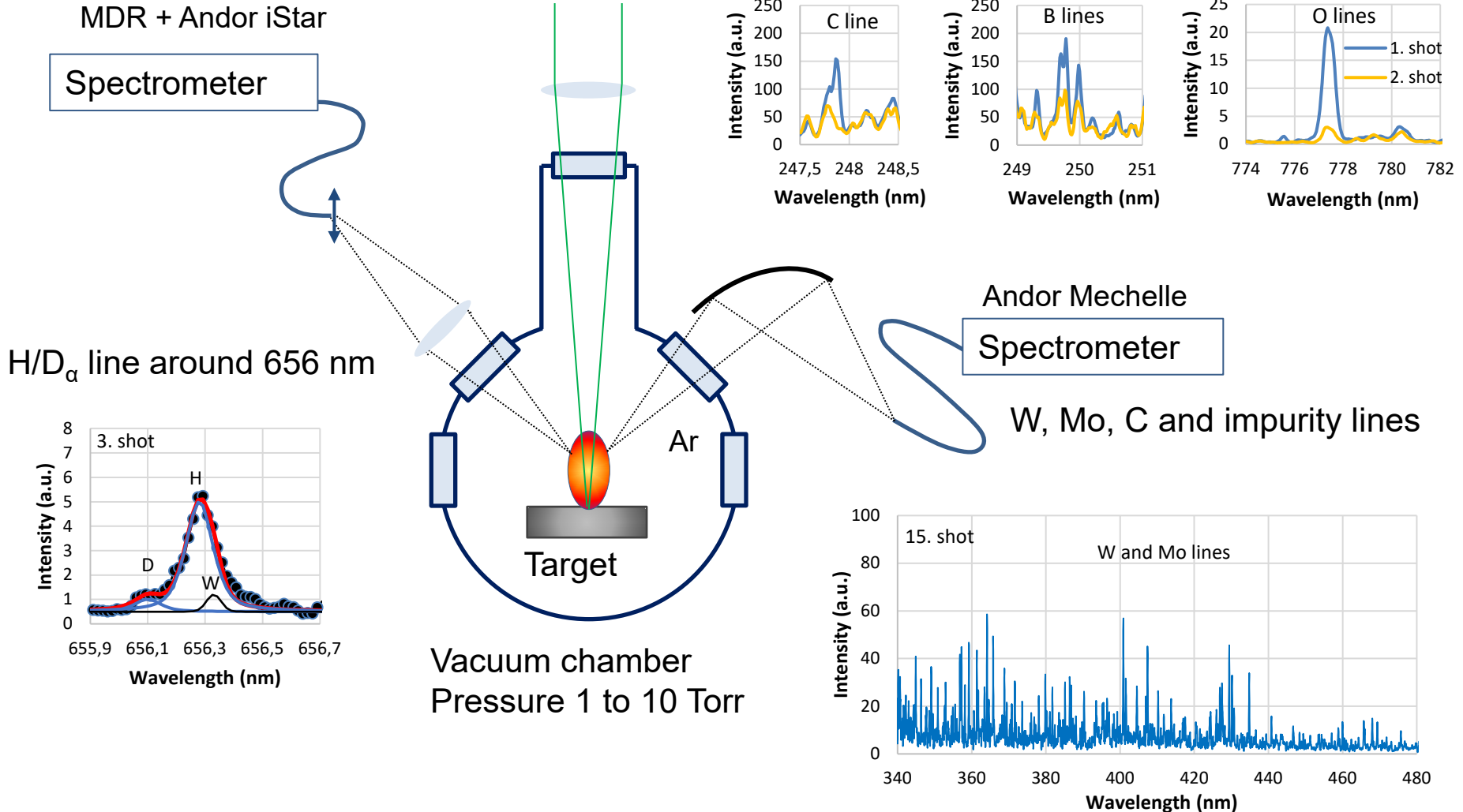
erosion
marker
tile

Samples originate from regions with small erosion and deposition

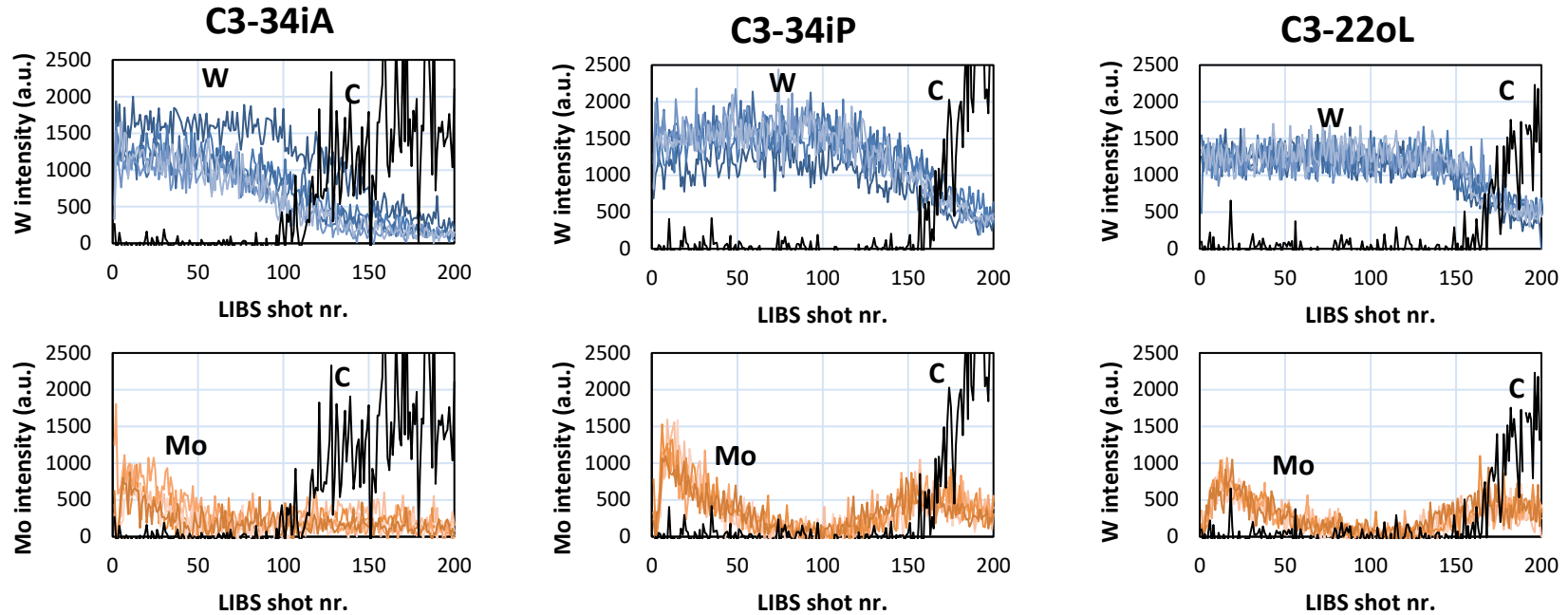
Experimental setup for LIBS measurements



Laser beam (532 nm, 6 ns), 0.5 Hz, 120 mJ, 33 J/cm²



LIBS depth profiles from 5 different spots on samples



Average ablation rate 100 nm/shot

Impurities on the surface

