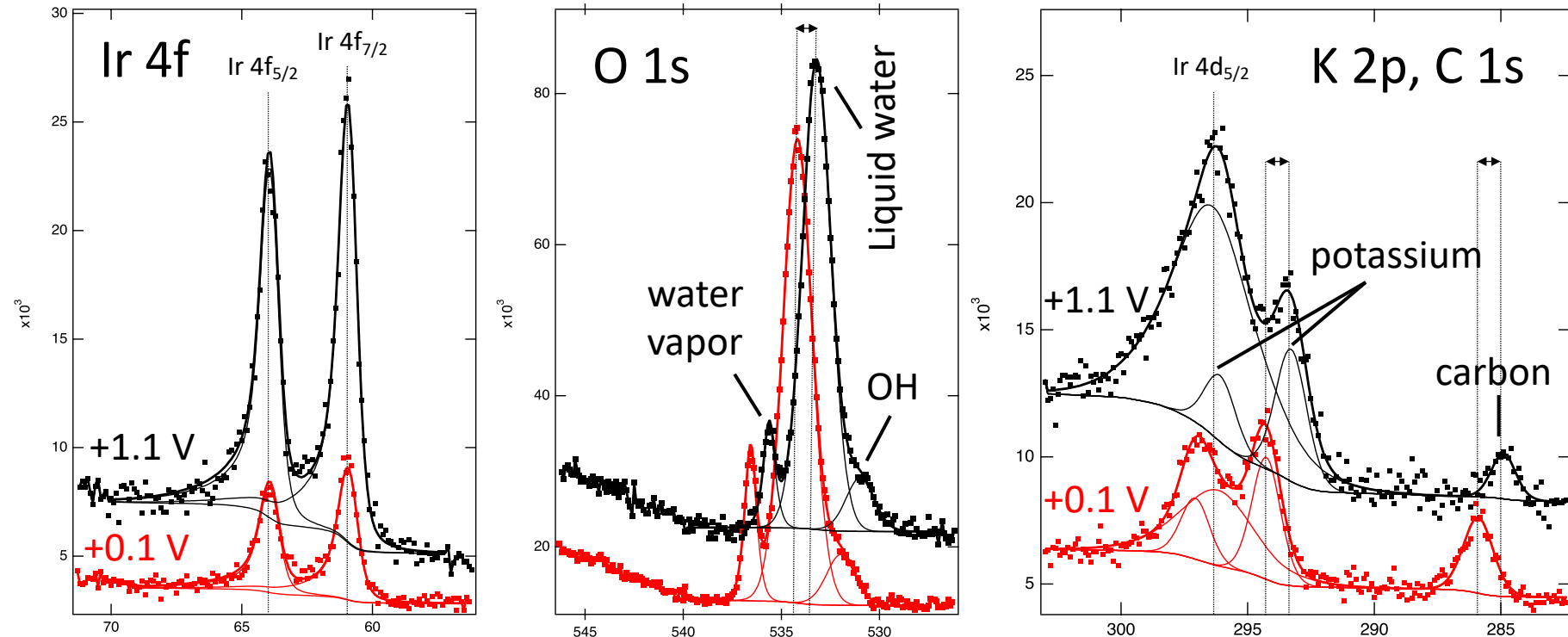
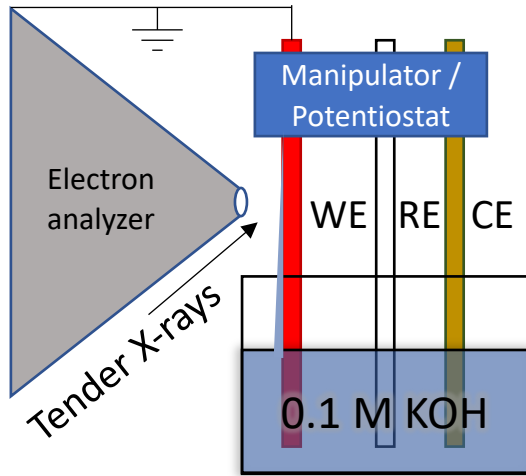


Potential control of the thin electrolyte layer

Goal:

- Using a well-defined system, demonstrate the feasibility of the dip-and pull technique and the potential control of the thin electrolyte film using the the new endstation



- Ir(001) sample (WE) grounded; Ir peaks do not shift with applied bias
- Potential control over the thin electrolyte layer: here **+0.1 V** and **+1.1 V** vs RHE
- With tender X-rays (here 4000 eV) and electrolyte thickness 10-20 nm, we can probe the solid-liquid interface (for the first time using single crystalline surface), electrochemical double layer, chemistry at the solid-liquid and the solid gas interface