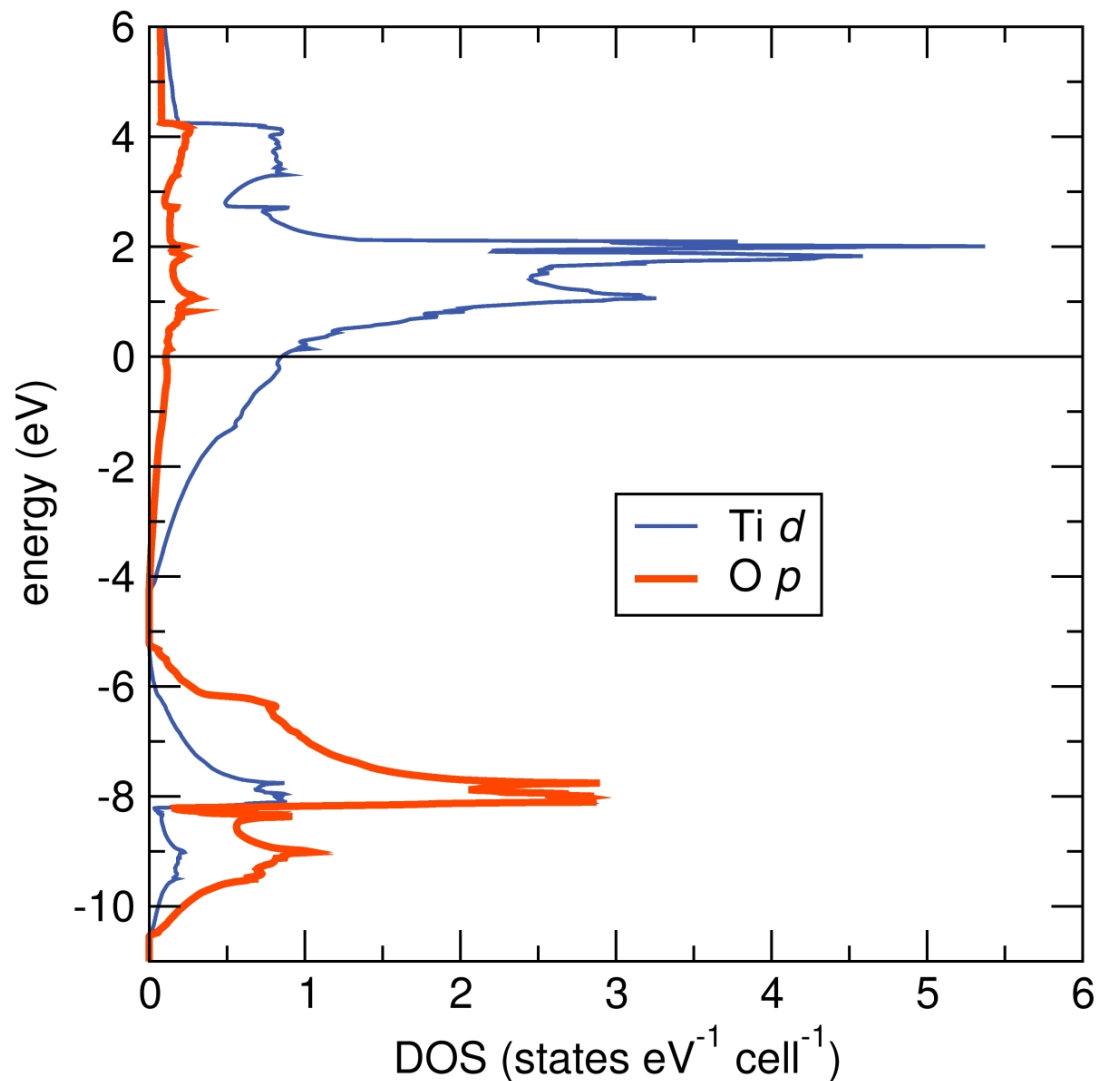


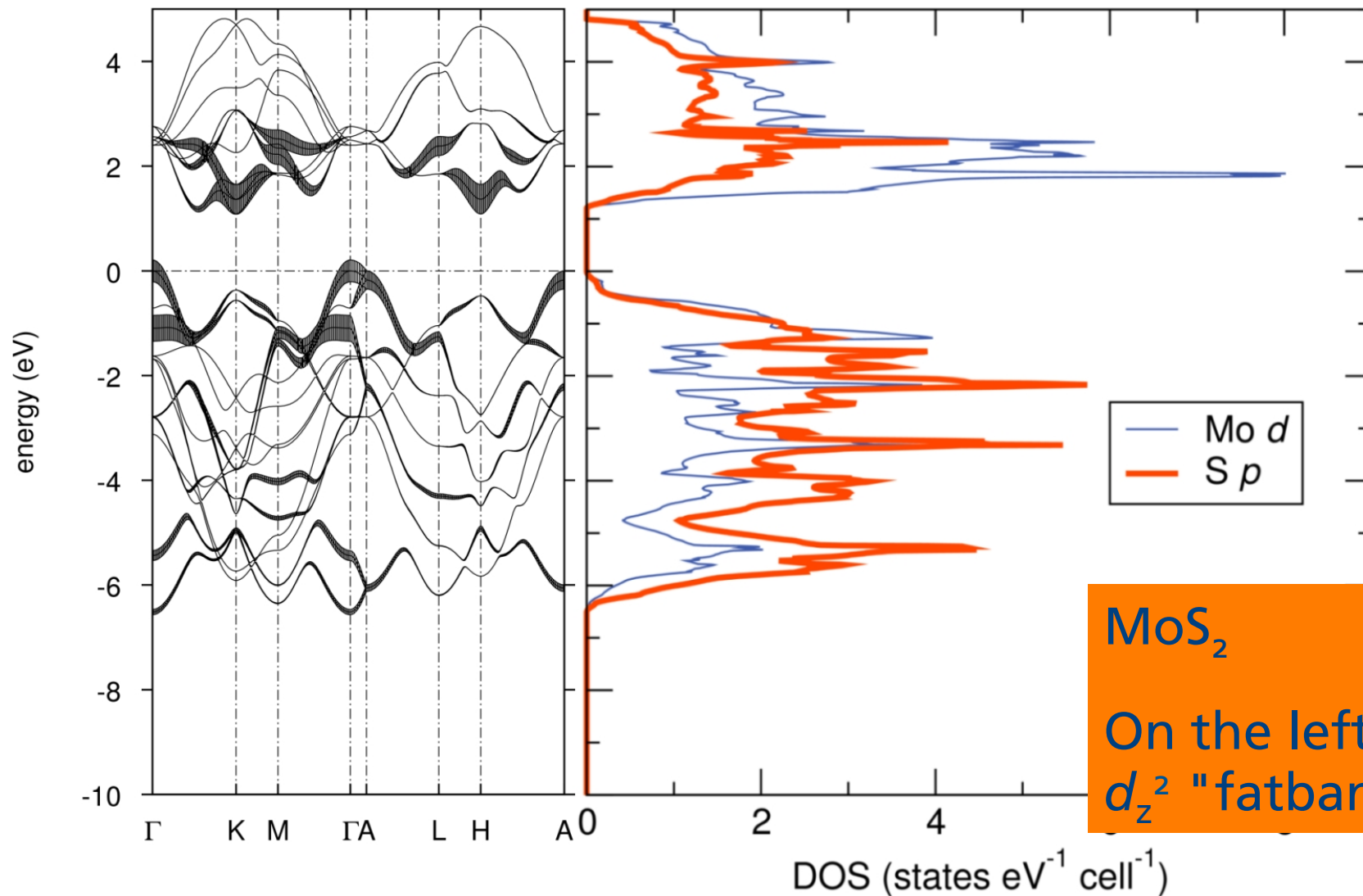
The d^2 systems TiO and MoS₂



TiO

Note that there is really no crystal field gap between t_{2g} and e_g .

The d^2 systems TiO and MoS₂



MoS₂

On the left are d_z^2 "fatbands"