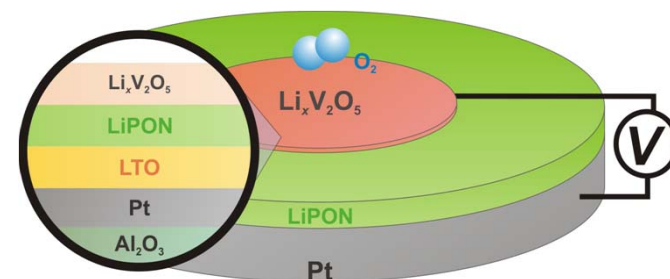
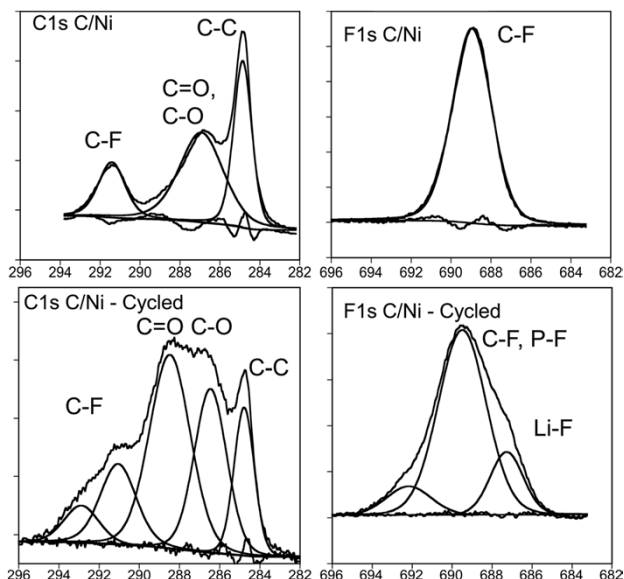


Li-air battery studies – *what is really reacting?*

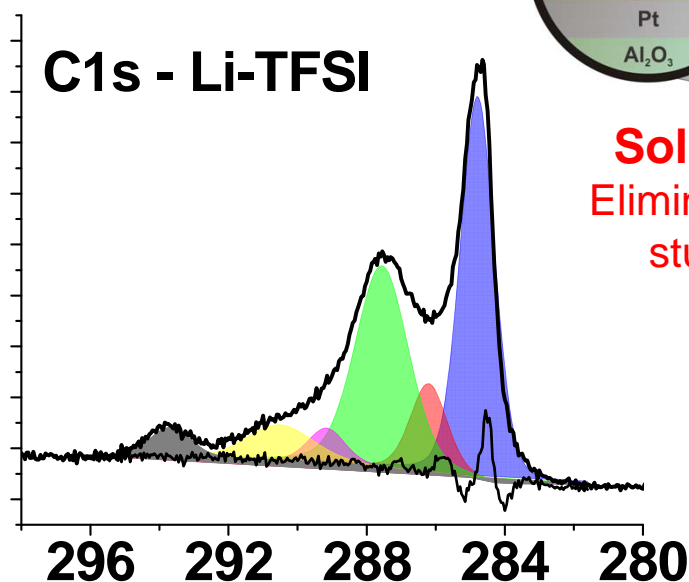
- Focus – characterize products formed at air cathode
- Influence of → Current collector, → Electrolyte solvent, → electrolyte salt
- Solid state structures as model system



Solid state structures
Eliminate liquid electrolyte to
study reaction kinetics



XPS of reaction products
here for C coated Ni foam



XPS of reaction products
here for discharge product with Li-TFSI
salt in tetraglyme showing degradation
of electrolyte