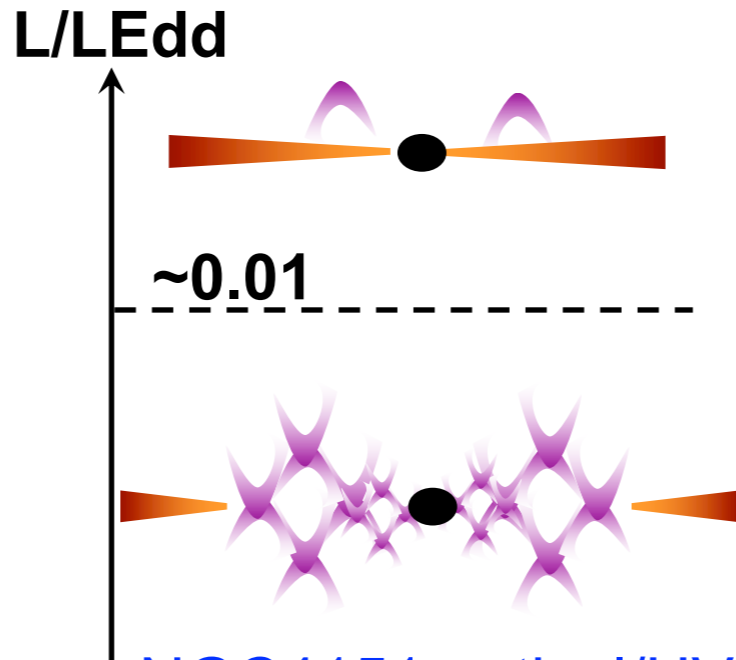
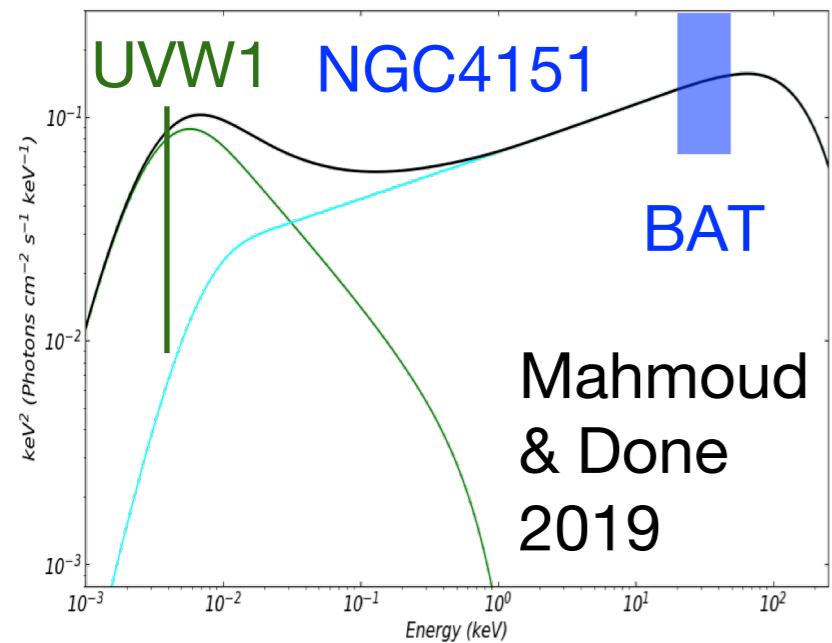
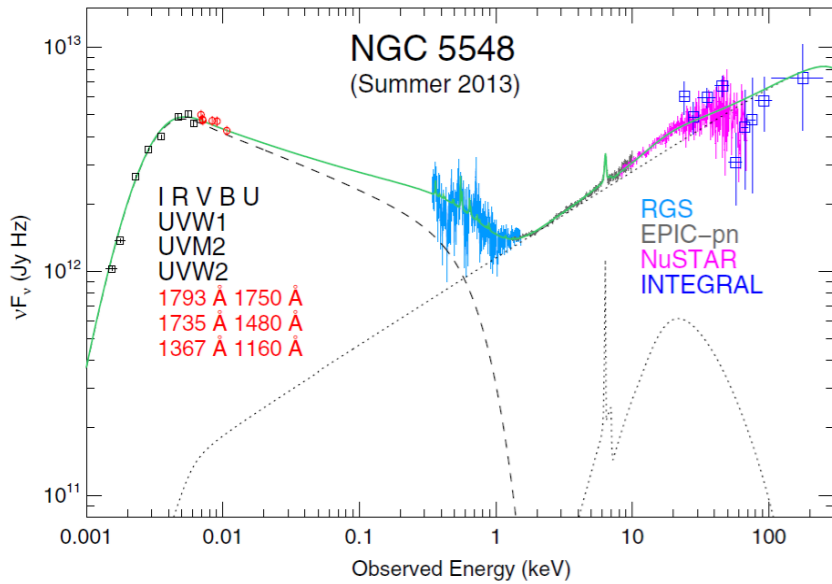
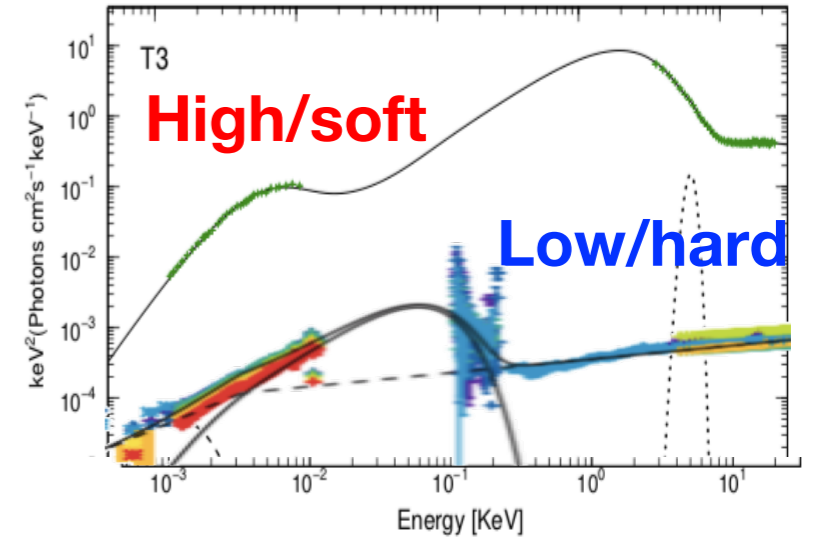
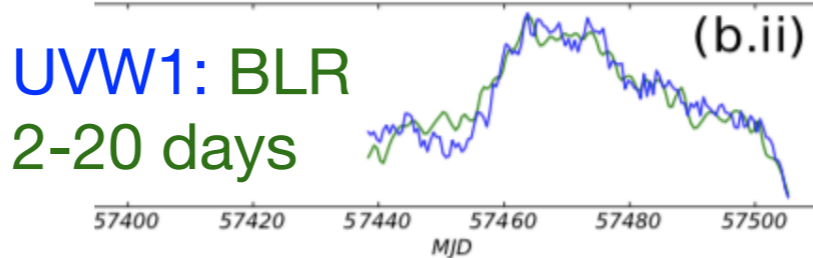
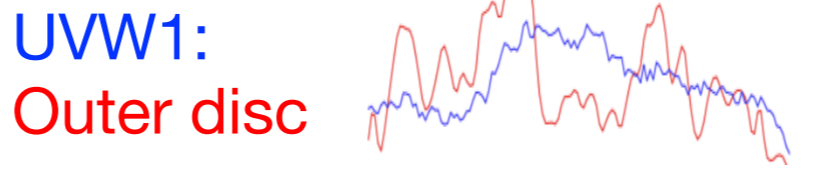
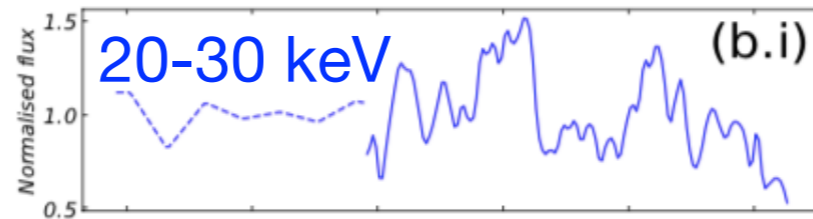


Reverberation campaigns focus on the most variable AGN – close to  $L/L_{\text{Edd}}=0.01$  changing look AGN (Noda & Done 2018, Ruan et al 2019)



NGC4151 optical/UV: outer disc < 2 light days, but observed lags 5-20 days – BLR sizes!!



Low/hard BHB: Optical from irradiation of truncated outer disc or cyclo-synchrotron from hot flow – very variable!

90% of UV in NGC4151 from BLR – dense clouds, diffuse continuum. NEED SED MODELS

