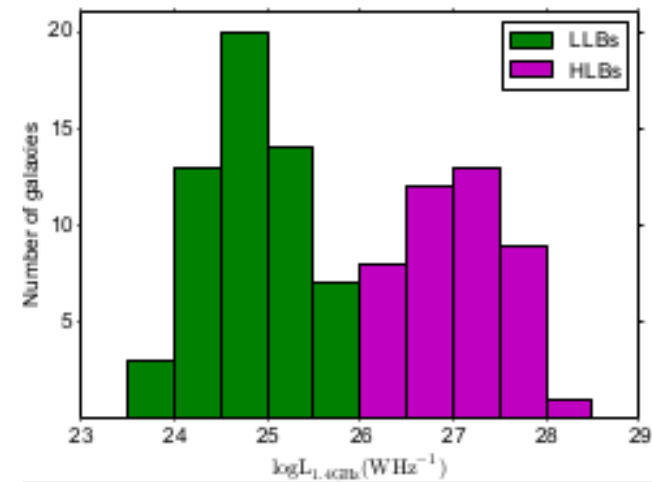
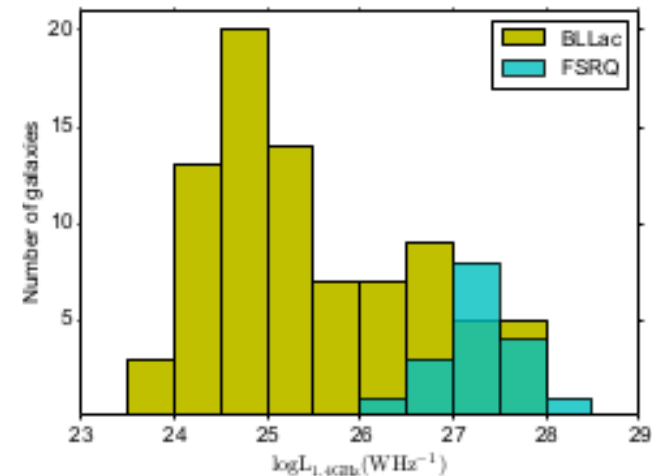
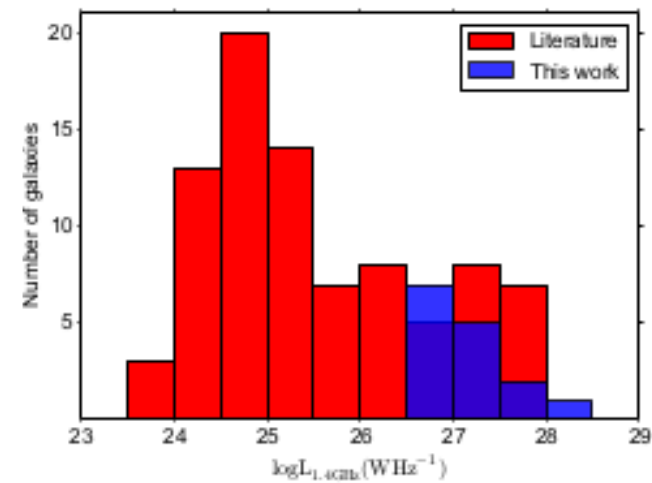


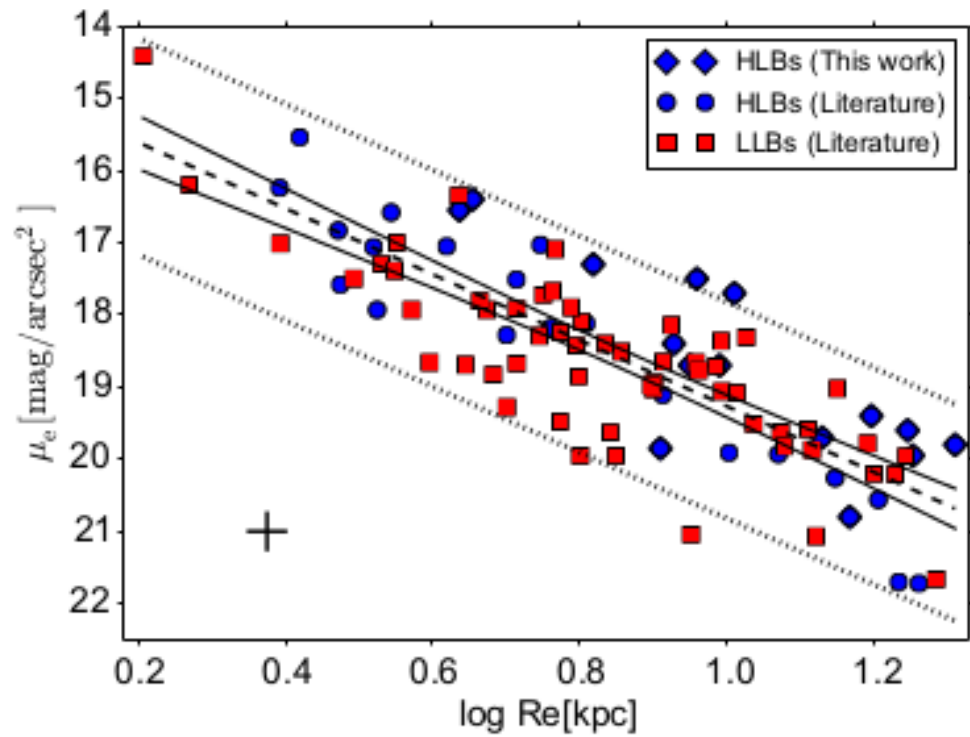
The host galaxies of AGN with powerful relativistic jets

Olguin-Iglesias, Leon-Tavares, Kotilainen,
et al. 2016, MNRAS, accepted
(arXiv:1605.05525)

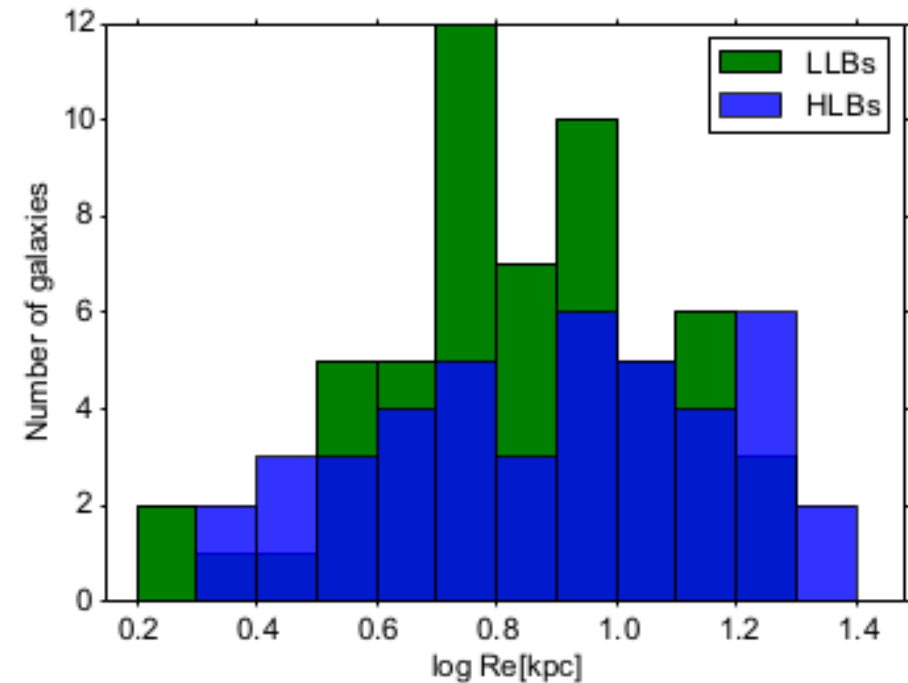
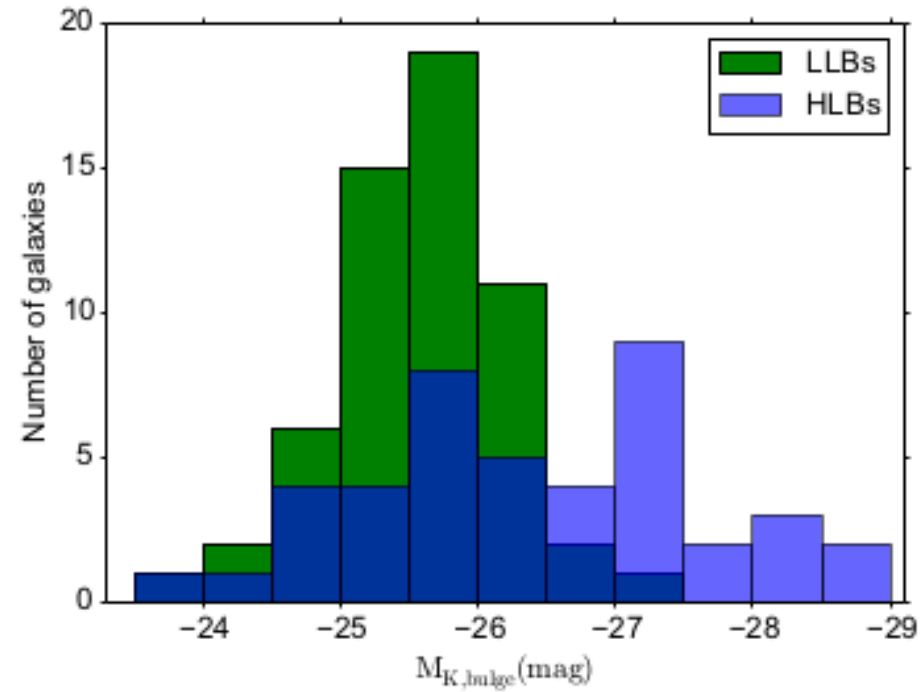
Deep NIR imaging of 19 intermediate- z ($0.3 < z < 1.0$) radio-loud blazars with powerful relativistic jets + 81 blazars from literature with host galaxy detection, covering a broad range of radio luminosity.

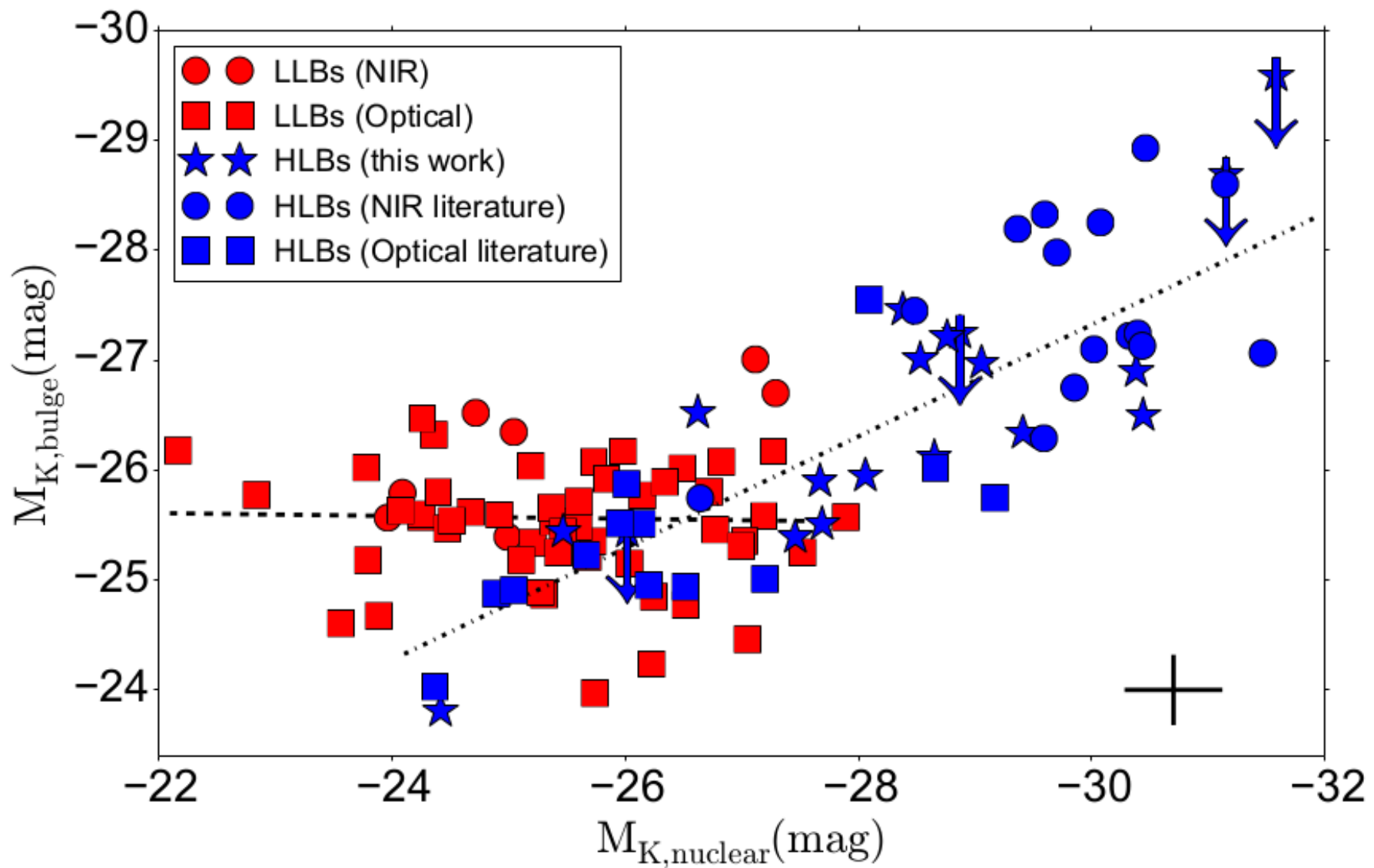
Sample divided into high-luminosity blazars (**HLB**) and low-luminosity blazars (**LLB**).





The host galaxies are bright and follow the μ_e - R_{eff} (Kormendy) relation for ellipticals and bulges.





Nuclear and bulge luminosity correlated for HLBs, suggesting a close coupling (AGN feedback) between the accretion mode of the SMBH and its host galaxy.

Consistent with semi-analytical models, where for high-luminosity AGN, galaxy mergers and interactions provide cold gas to feed both AGN and SF