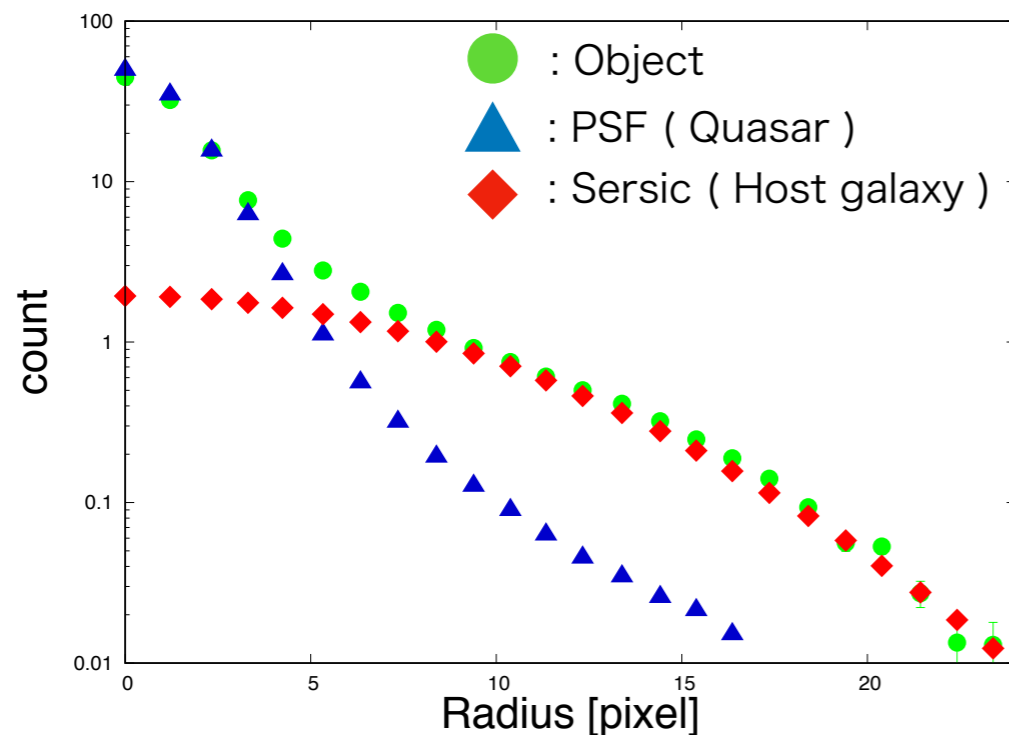


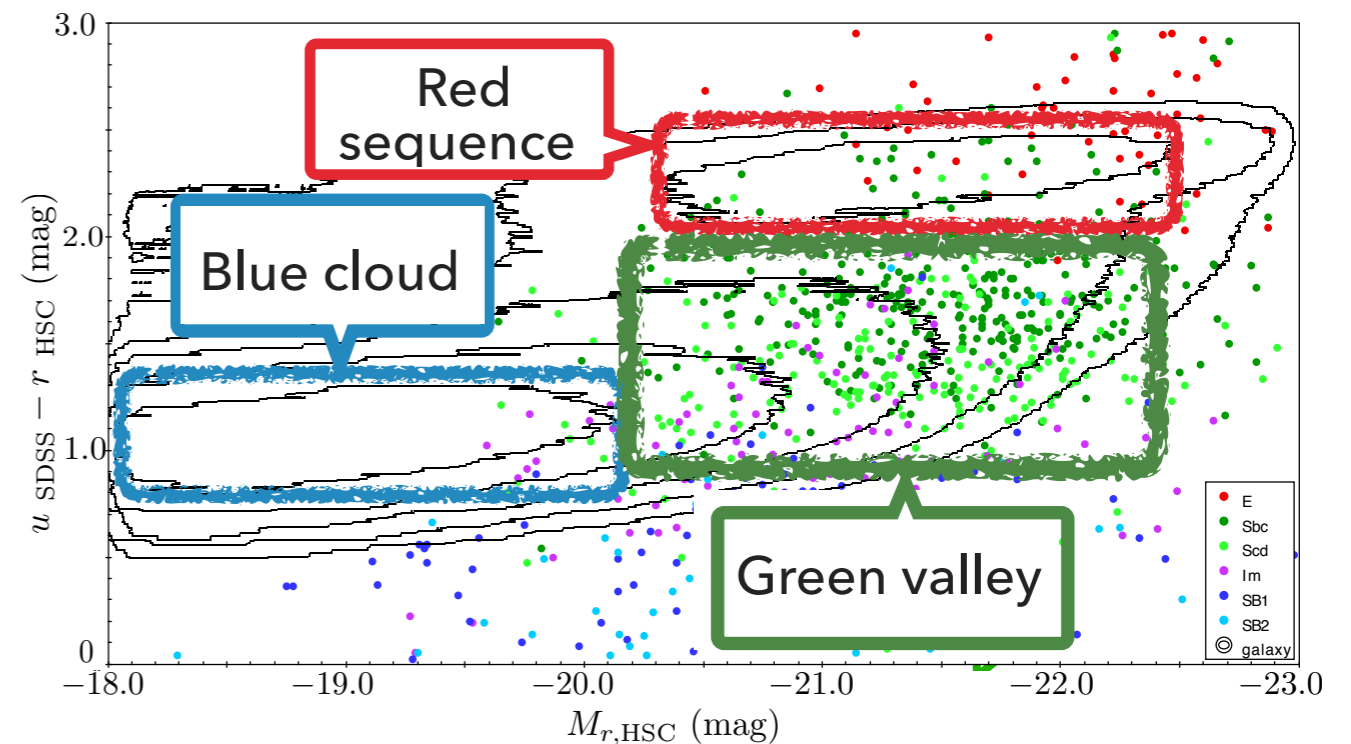
## revealed by Subaru HSC

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- The impact of AGNs on their host galaxies ( e.g. AGN feedback ) is still unclear.  
→ It is important to investigate the properties of AGN host galaxies.
- We investigated the properties of SDSS quasar host galaxies, using the Subaru Hyper Suprime-Cam SSP survey S17A wide images.
- To decompose the quasar brightness into nucleus and host galaxy, we fitted the radial profile of each object with the PSF and Sersic function.
- We investigated spectral types and colors of the host galaxies.  
→ Most of the host galaxies are located on the green valley.



An example of radial profile fitting



Color-magnitude diagram