Combining photometry to improve photo-zs and SED fitting

- Hydro Sims replicate real structures of galaxies (Horizon-AGN Clotilde)
- SAMS probably not great for this
- Real data HST (CANDELS/GOODS) + HSC etc
- Initially on full-depth LSST
- Test existing algorithms close links to deblending!
 - TPHOT Maurillio & Corentin
 - Tractor Kristina Nyland & Mark Lacy
 - LAMBDAR Angus Wright (Aaron)
 - Convolve to poorest seeing and do multi-aperture photometry
 - All as a function of ground-based seeing
- Test with limited set of template fitting code (EAZY, LePhare, BPZ, new code)
- Are spectral templates representative of the real galaxies
- Sub-sample simulation on likelihood of having a spectroscopic redshift is z_p vs z_s better or worse?
- Metrics for photo-zs follow DESC photo-z metrics (Schmidt et al. in prep)
- Calibration between LSST & Euclid
- Impact for individual galaxies vs total dN/dz