Systematics for weak lensing: Redshift Estimation, Galaxy Orientation and PSF

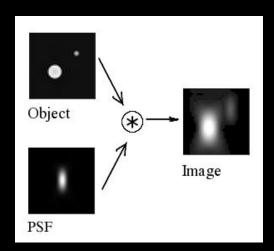
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What's WL and why we care about systematics?

Weak lensing is Challenging, because it is a very weak effect!

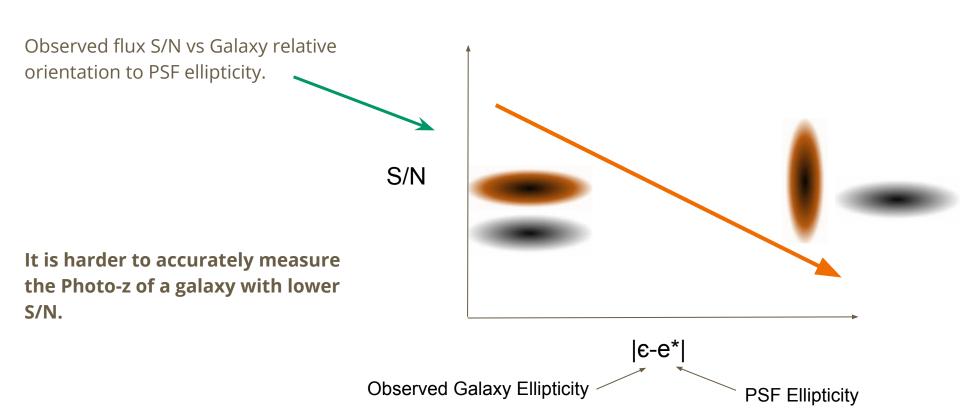
Example of systematics:

Point Spread Function (PSF)





But there is a more subtle effect related to PSF



Example for two different set of galaxy orientations

- 6 SED templates + 270 combinations
- z_B is given for each galaxy by the best fitting value
- The blue sample shows more outliers

