

We use the H-ATLAS survey to find lenses
by selecting the brightest sources

H-ATLAS:

590 sqr. deg.
NGP, SGP & GAMA
Confusion limits

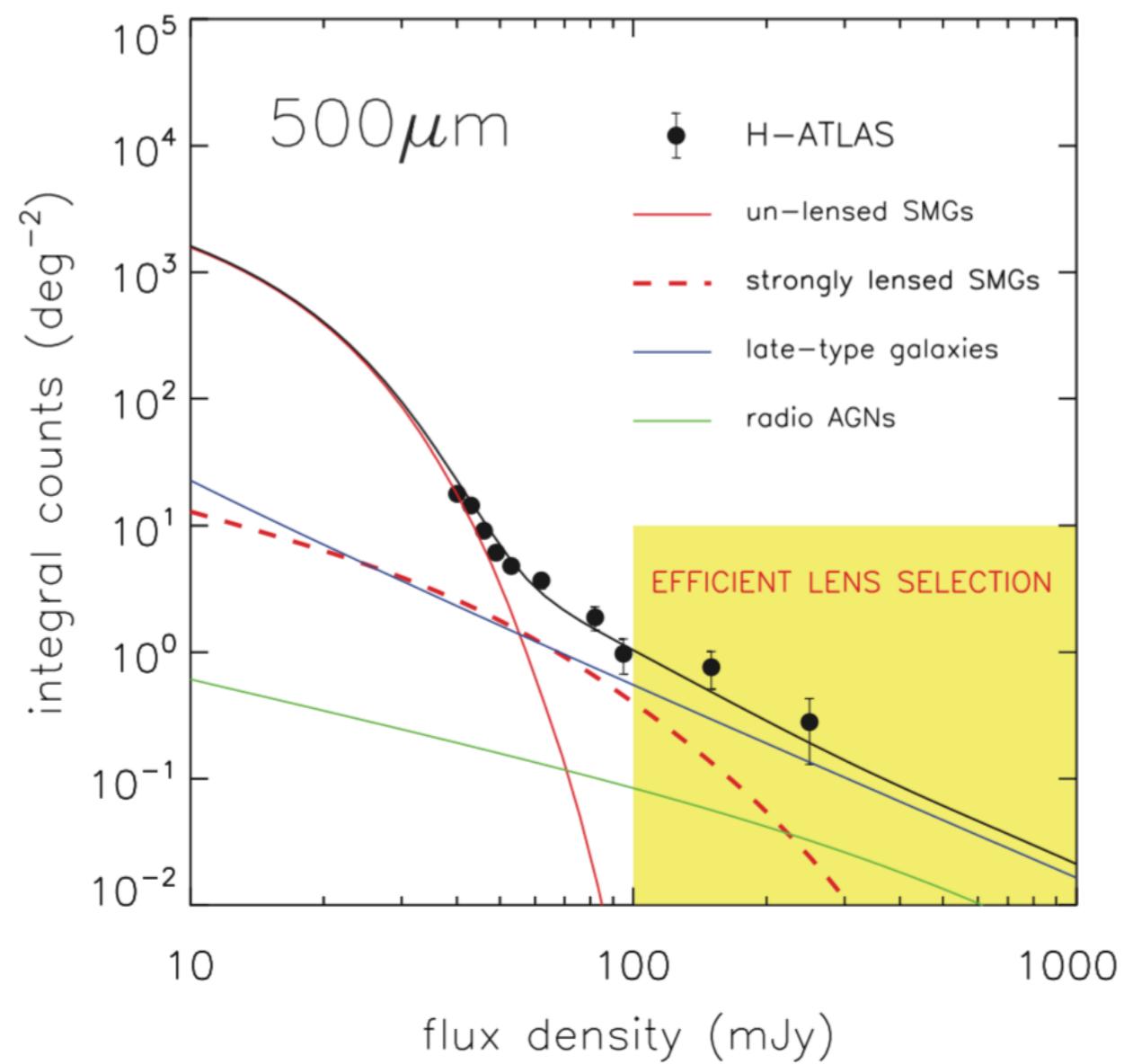
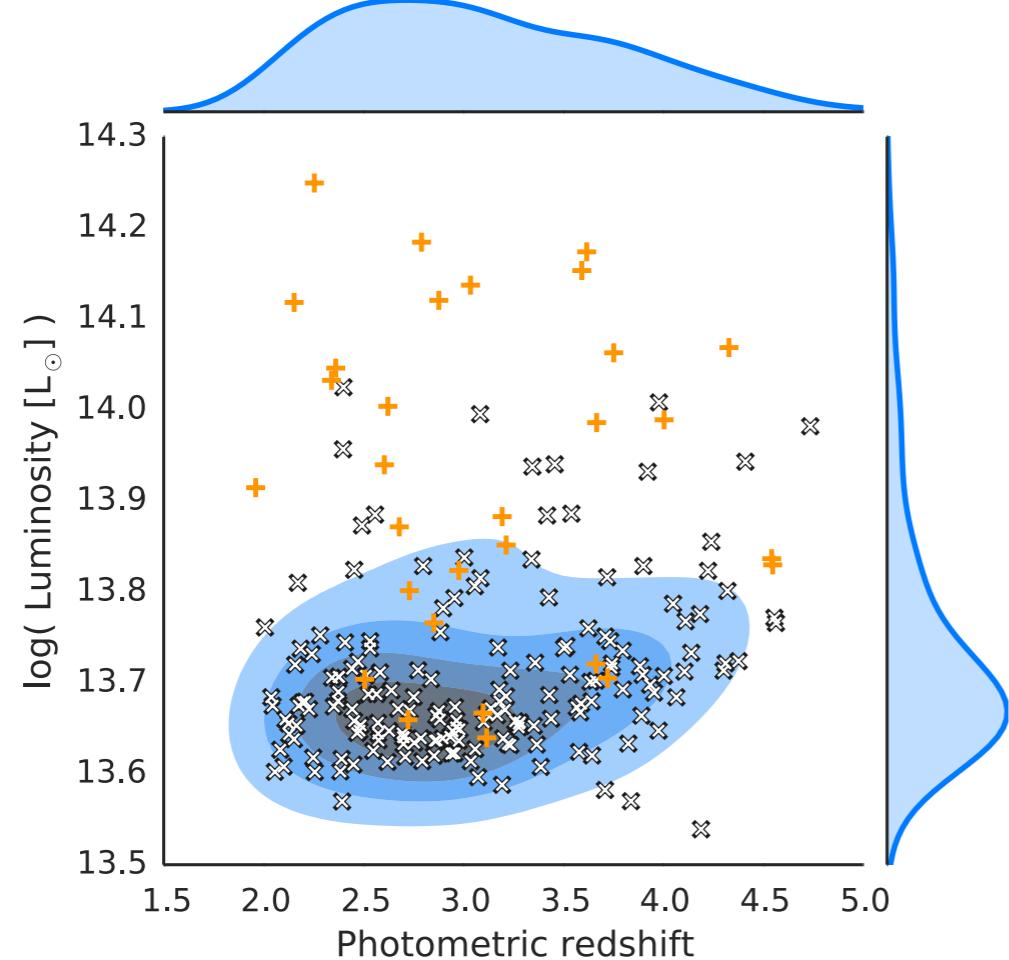


Eales et al. 2009, Valiante et al. 2016

The HerBS sample contains lensed ULIRGs and unlensed HyLIRGs

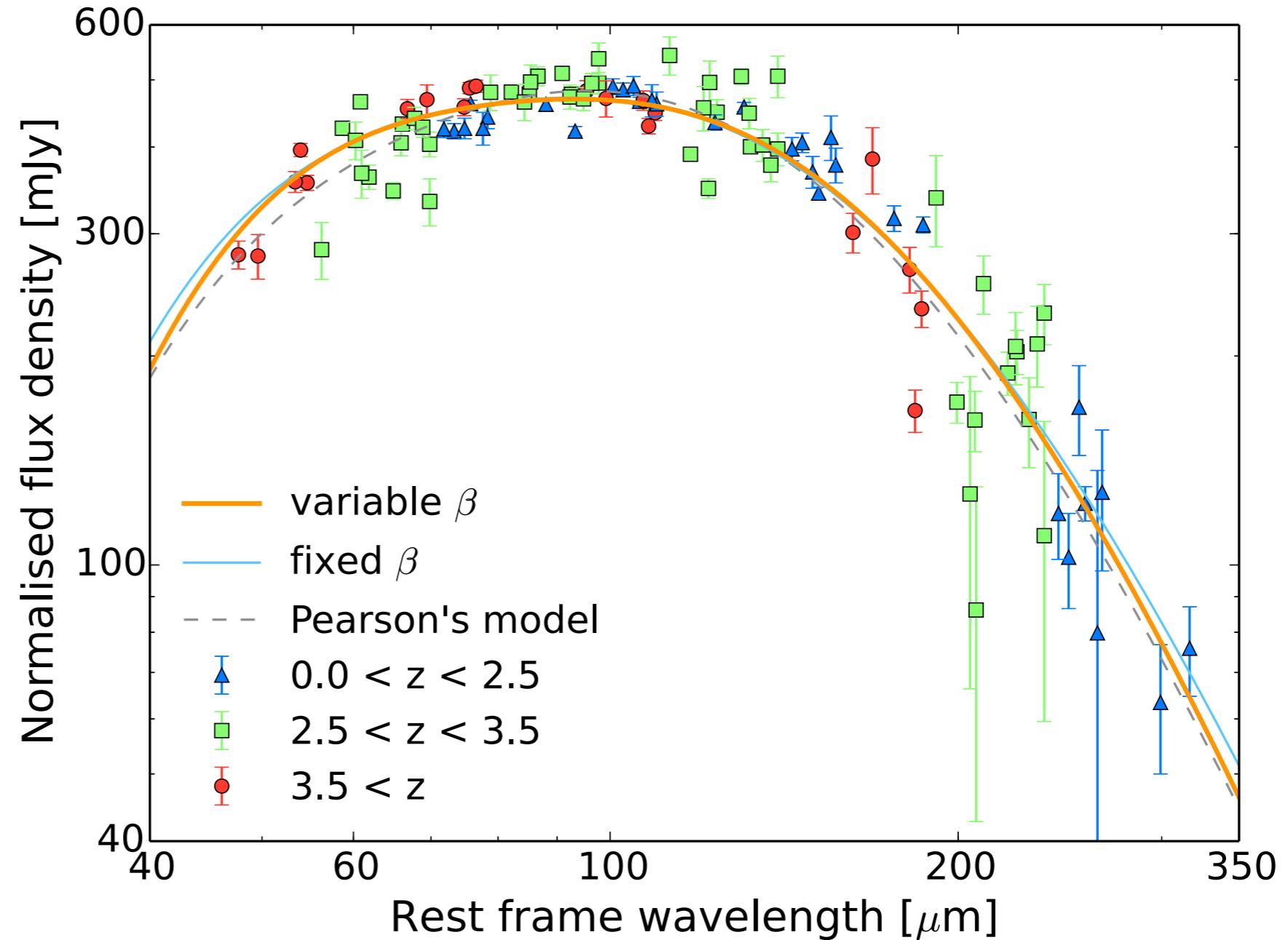
HerBS selection:

236 sources with
 $z_{\text{phot}} > 2$
 $S_{500\mu\text{m}} > 80 \text{ mJy}$

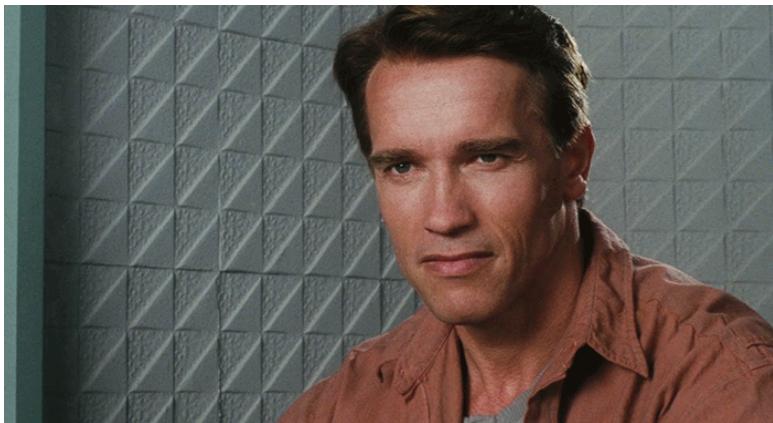
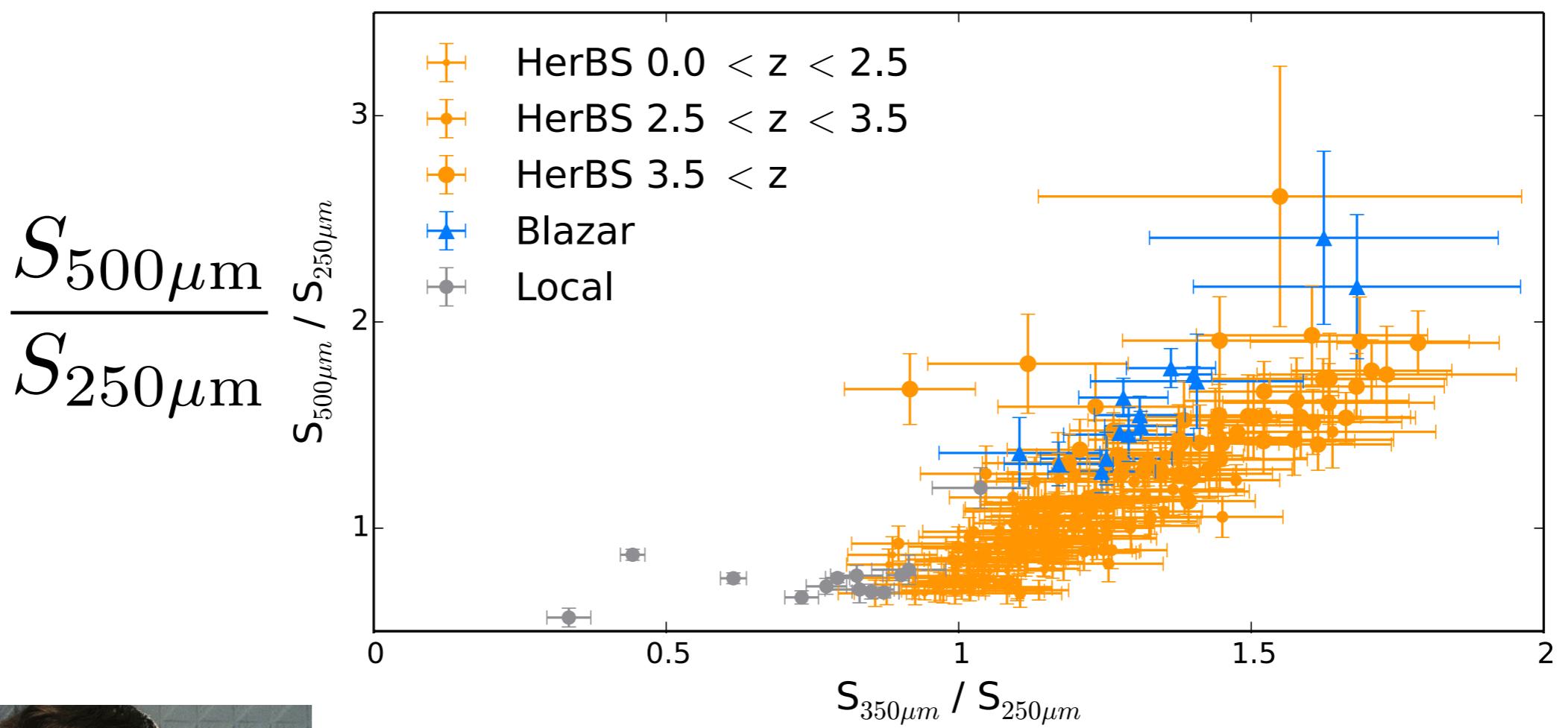


Negrello et al. 2009
Pearson et al. 2013

Spectroscopic redshifts give us a typical SMG template

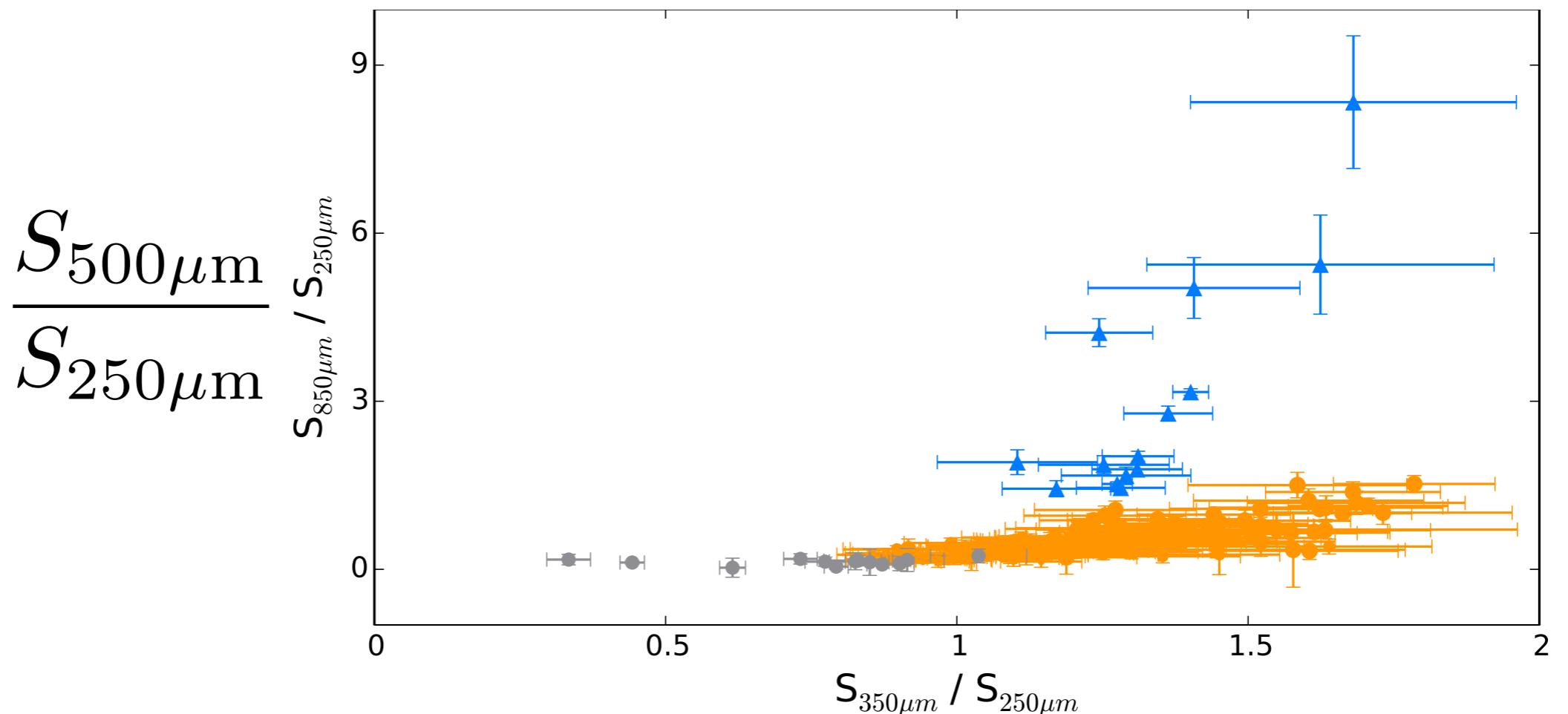


Herschel color-color diagrams can't distinguish blazars

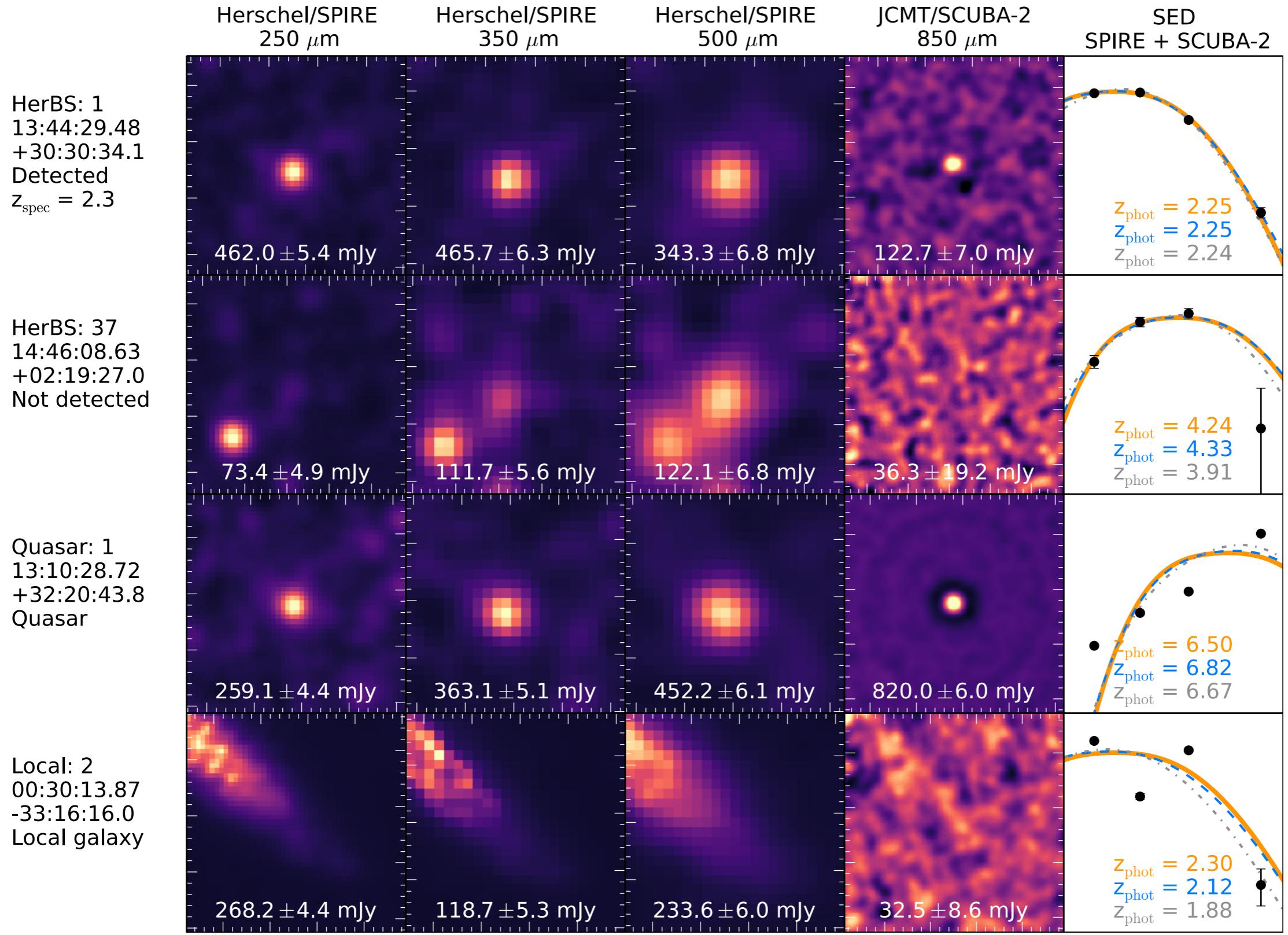


$$\frac{S_{350\mu m}}{S_{250\mu m}}$$

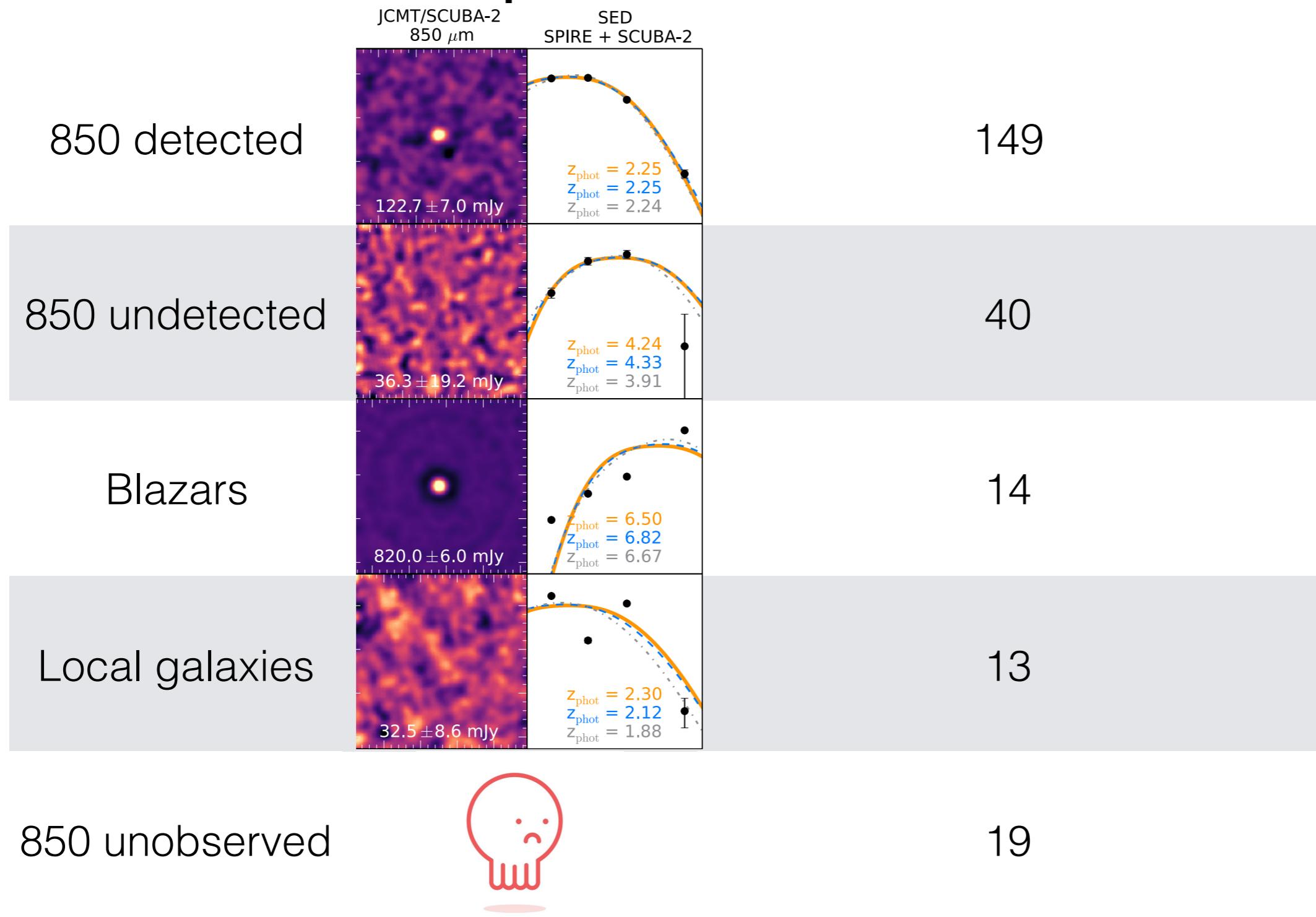
JCMT's color-color diagrams can distinguish blazars



$$\frac{S_{350\mu m}}{S_{250\mu m}}$$



JCMT helped us ID 14 quasars in our sample



Our sample has a global lensing fraction of 78%

