## Mimi Song (postdoc @UMass, Amherst)

0.2

2 4 6 8 Herschel S/N 2 4 6 8 Herschel S/N

## IRAC Photometry in the CANDELS fields

Placing robust constraints at high-z by making advancement in IRAC deblending photometry with sophisticated modeling of the PSF optimized for individual sources

Old empirical PSFs vs New 'base' PSFs





## 3D-Herschel (3D-HST + Herschel)

UV-FIR analysis with Herschel deblending photometry and self-consistent modeling of SEDs with prospector (w/ Kate Whitaker & Joel Leja)



2 4 6 8 Herschel S/N

Courtesy of Whitaker

2 4 6 8 1 Herschel S/N

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2 4 6 8 Herschel S/N