

MACS0717 data

Sources WL:

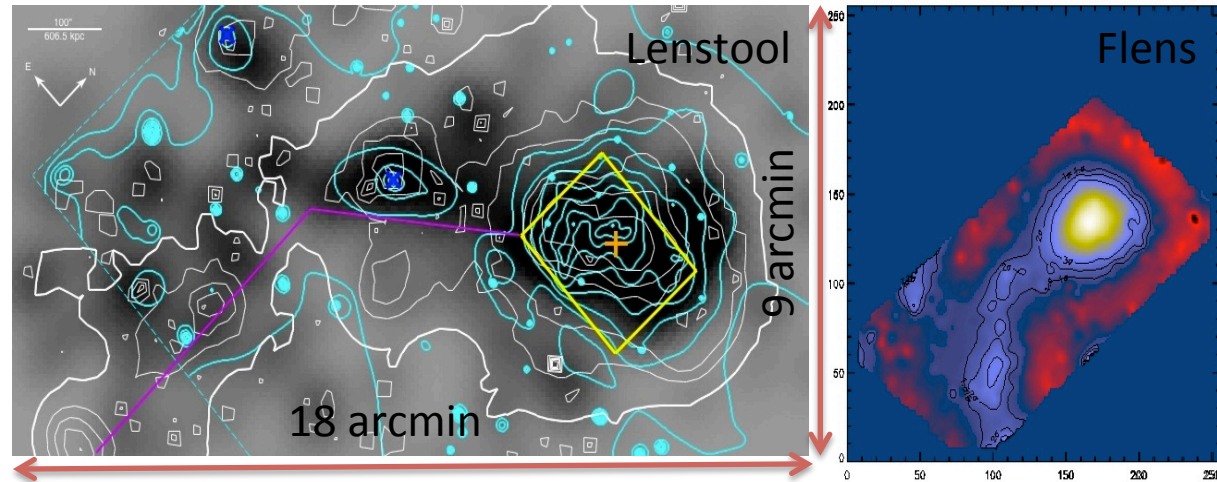
- 10121 gals
- Color-color selection
- $z_{\text{med}} = 0.65$

Lenstool:

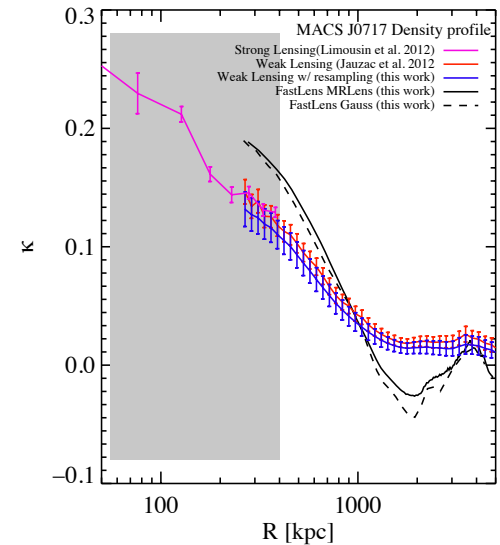
- Model fitting method
- Multi-scale grid model of 468 RBF
- 1244 cl. members, PIEMD
- Bayesian error sampling
- Computation of Bayesian evidence

Flens:

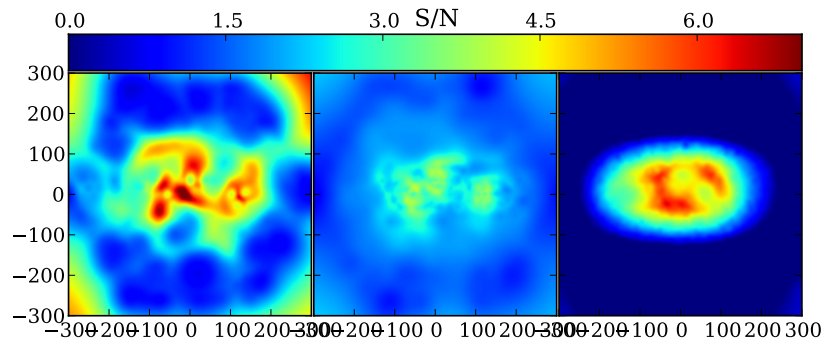
- Inverse method
- 1. FASTLens inpainting + $\gamma \rightarrow \kappa$ inversion
- 2. MRLens filtering



Density profile comparison



Simulated S/N maps



Simulations

Source WL:

- 10x10 arcmin² FOV
- 3 NFW, $1.4 \times 10^{14} M_{\odot}$, $z = 1.2$,
- Catalog 1 : 50 gals/arcmin²
- Catalog 2: 100 gals/arcmin²
- 100 noise realizations

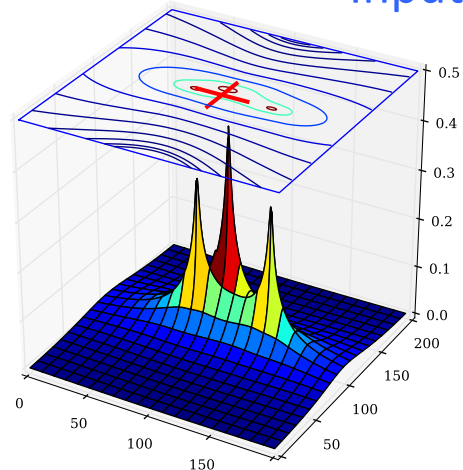
Lenstool:

- Model 1 : 817 RBF, 36" pixels
- Model 2: 575 RBF, 18" \rightarrow 74" pixels

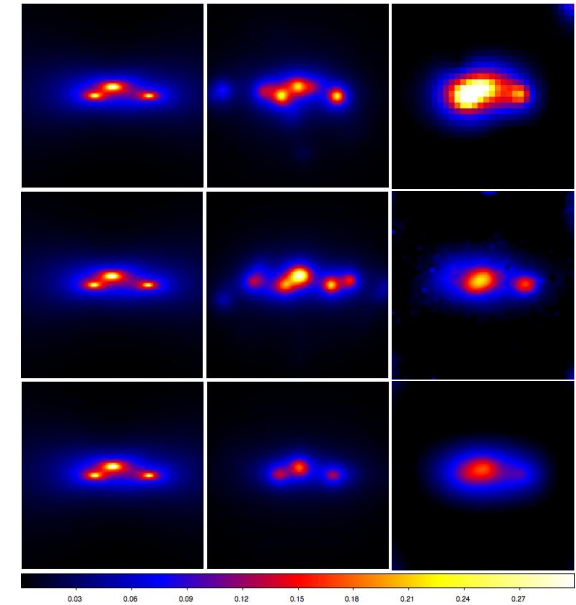
Flens:

- Catalog 1: 64x64 pixels
- Catalog 2: 128x128 pixels

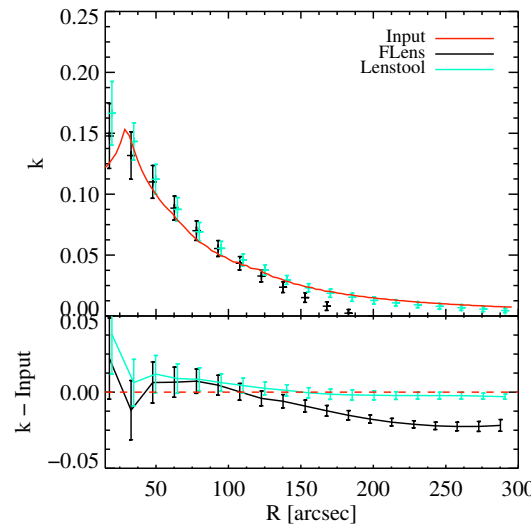
Input map



κ reconstruction



Density profile



Simulated S/N maps

