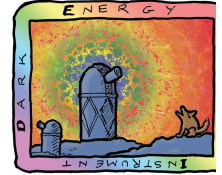


# QuickCat Update #2

- Redshift fitting
  - For parametrizations for QuickCat
  - RedMonster
    - presentation, tutorial
      - T. Hutchinson (w/G. Dhungana)
    - Processed 20 QSOs (after QuickGen)
  - ‘zPy’ (A. Kremin)
    - Presentation and discussion
    - 100s LRGs processed (after QuickSim)
  - ‘zFit’ (J. Guy, C. Balland)
    - Discussion and demonstration
    - 30 ELGs processed QuickSim output
- Discussion of modifications to QuickCat
  - checked out and ran initial draft (G. Dhungana, C. Balland, R. Kehoe)
  - Discussion of input and output file formats
    - Will not modify input file formats for now
      - Repurcussions to MTL and FiberAssign
    - Focus on adding to output files
  - Also update to have zeroth order redshift resolutions
    - No flux or other dependencies
    - VERY initial – just treat as placeholders for now



## Parametrizations

We will want parametrizations depending on:

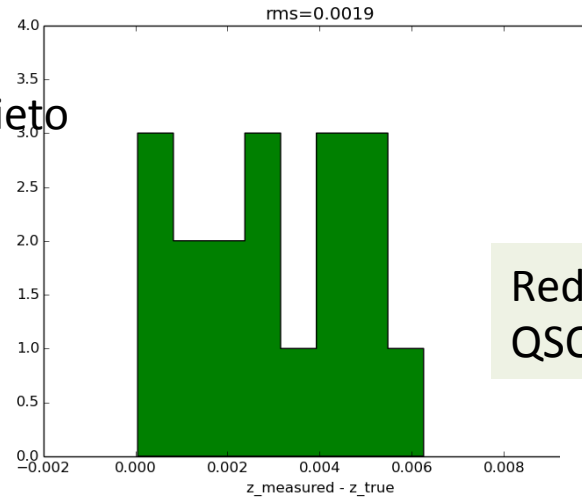
- redshift
- measured magnitudes
- and/or line fluxes
- observation conditions
- algorithmic effects

Right now, just looking at aggregate redshift resolution

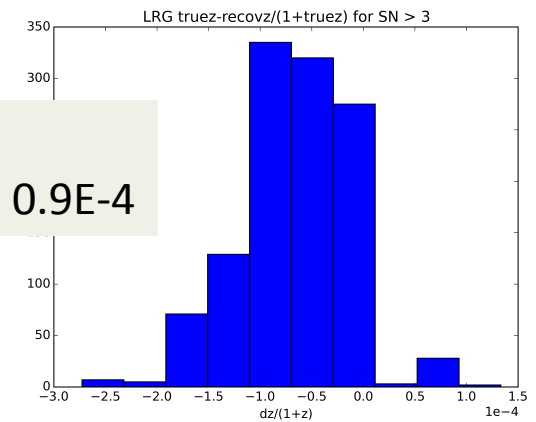
- various difficulties still
- nevertheless, putting into zeroth QuickCat github local

Will need requirements from physics groups

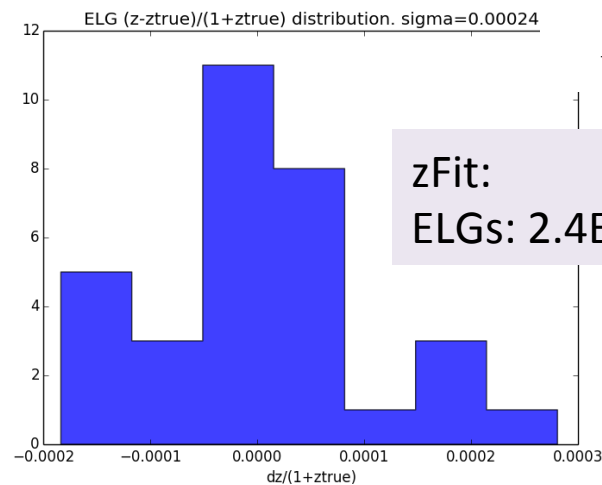
- what parametrizations needed
- how similar are different objects (dark, BGS, MW)?



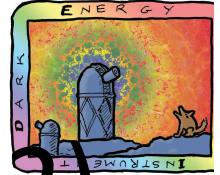
RedMonster:  
QSOs: 3E-3



zPy:  
LRGs: 0.9E-4

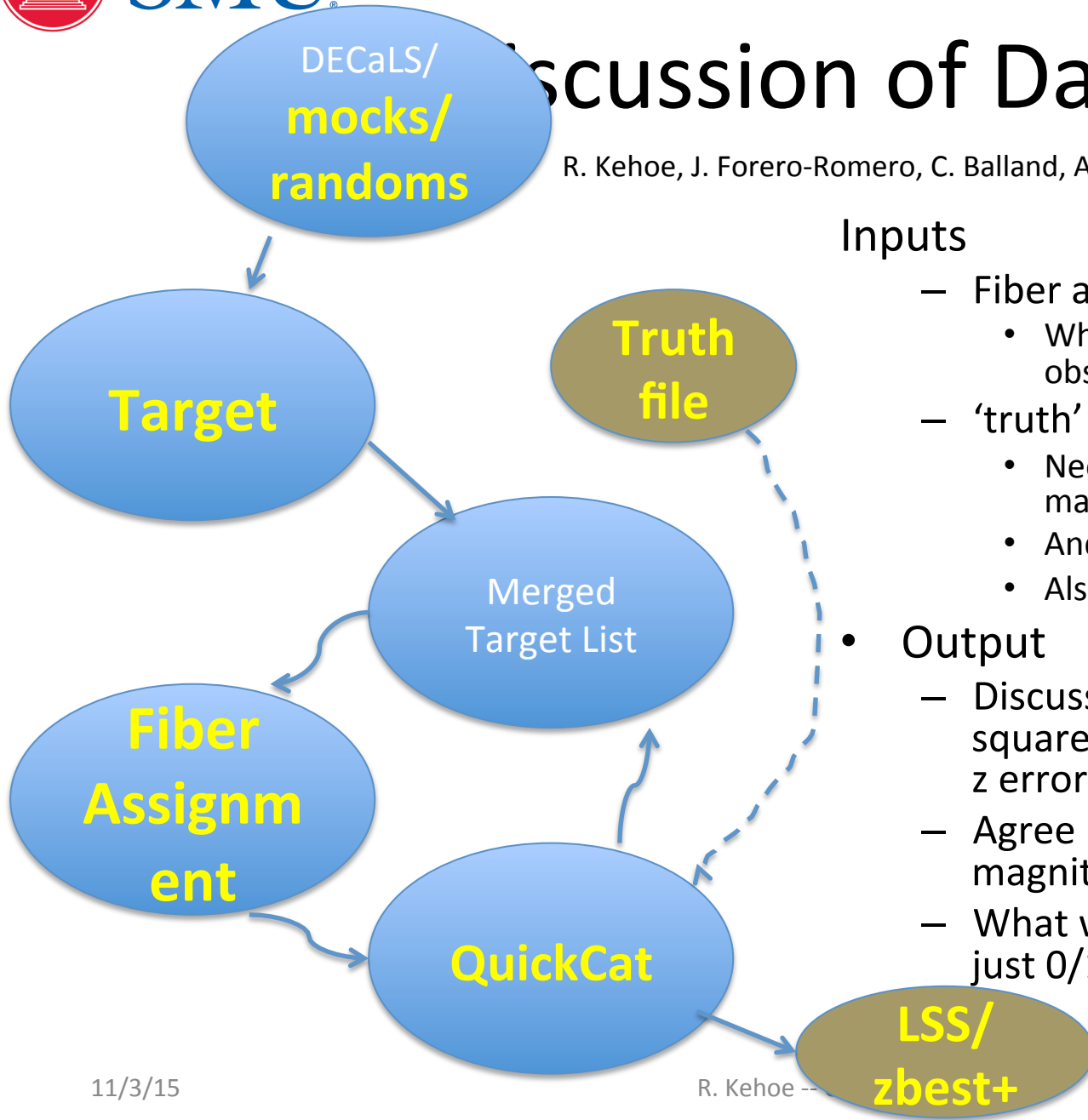


zFit:  
ELGs: 2.4E-4



# Discussion of Data Flow (2)

R. Kehoe, J. Forero-Romero, C. Balland, A. Kremin, J. Comparat, B. Cahn

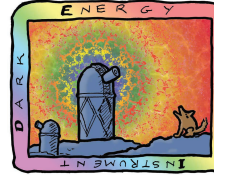


## Inputs

- Fiber assignment output
  - Where find out how may observations for object?
- 'truth' input
  - Needs to have broadband magnitudes (what system?)
  - And/or line fluxes
  - Also

## Output

- Discussion of utility of z2..., chi-squared and ability to simulate z errors
- Agree need some flux/magnitude quantities
- What will be in 'flags': possibly just 0/1



# Current Status, Plans (2)

- QuickCat
  - Implemented zeroth resolutions for
    - ELGs, LRGs, QSOs
  - Discussing specifics of output file modifications
- Next steps
  - Will update local github
    - Global (need to chat w/ Stephen)
- Next steps (cont.)
  - MW may have some parametrizations
    - Can also implement
  - Would be good to have some BGS effort here
- This afternoon
  - Discussion w/LSS group
  - Also do quickgen tutorial
  - Add more statistics, for galaxies resolutions