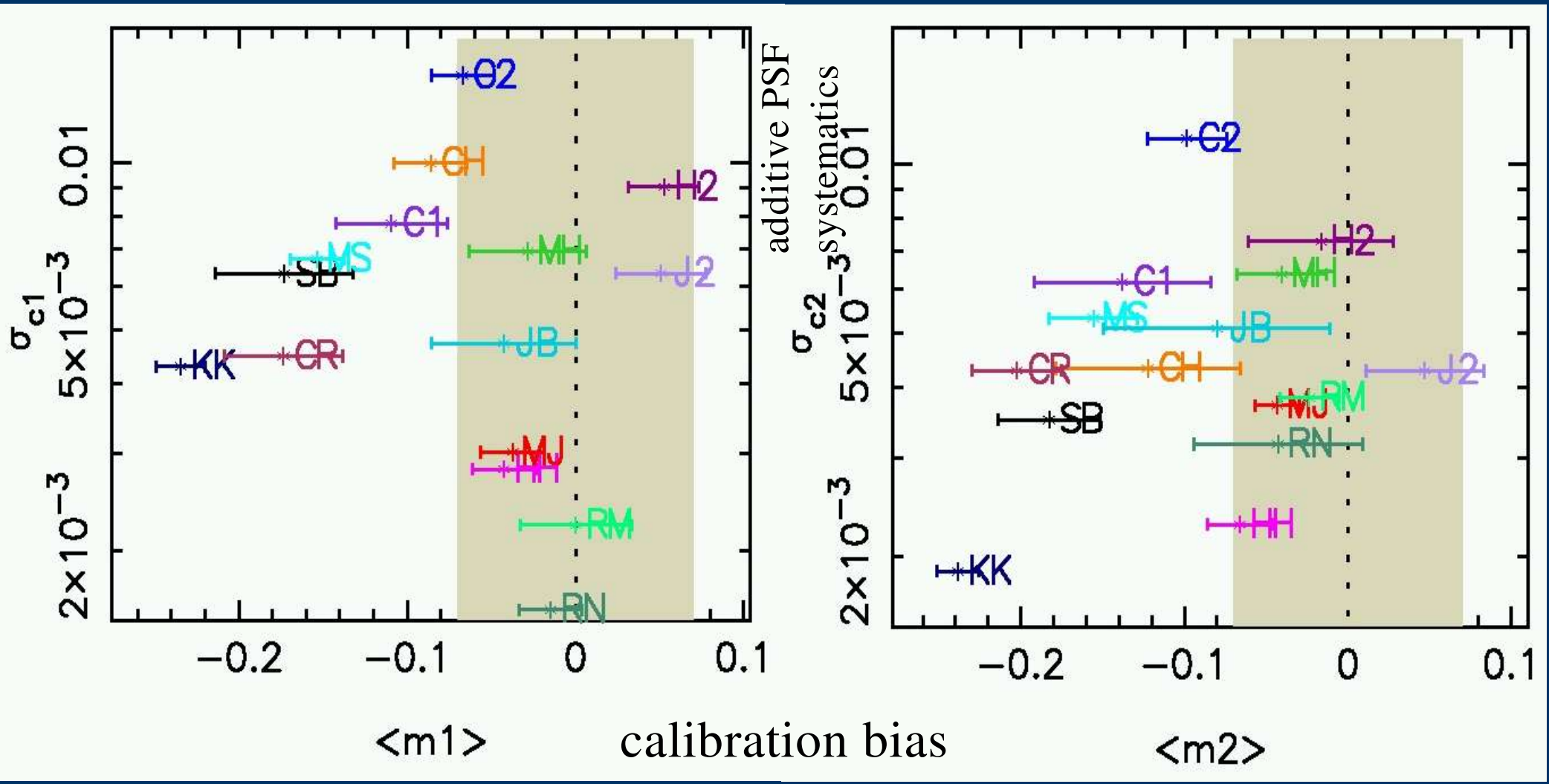
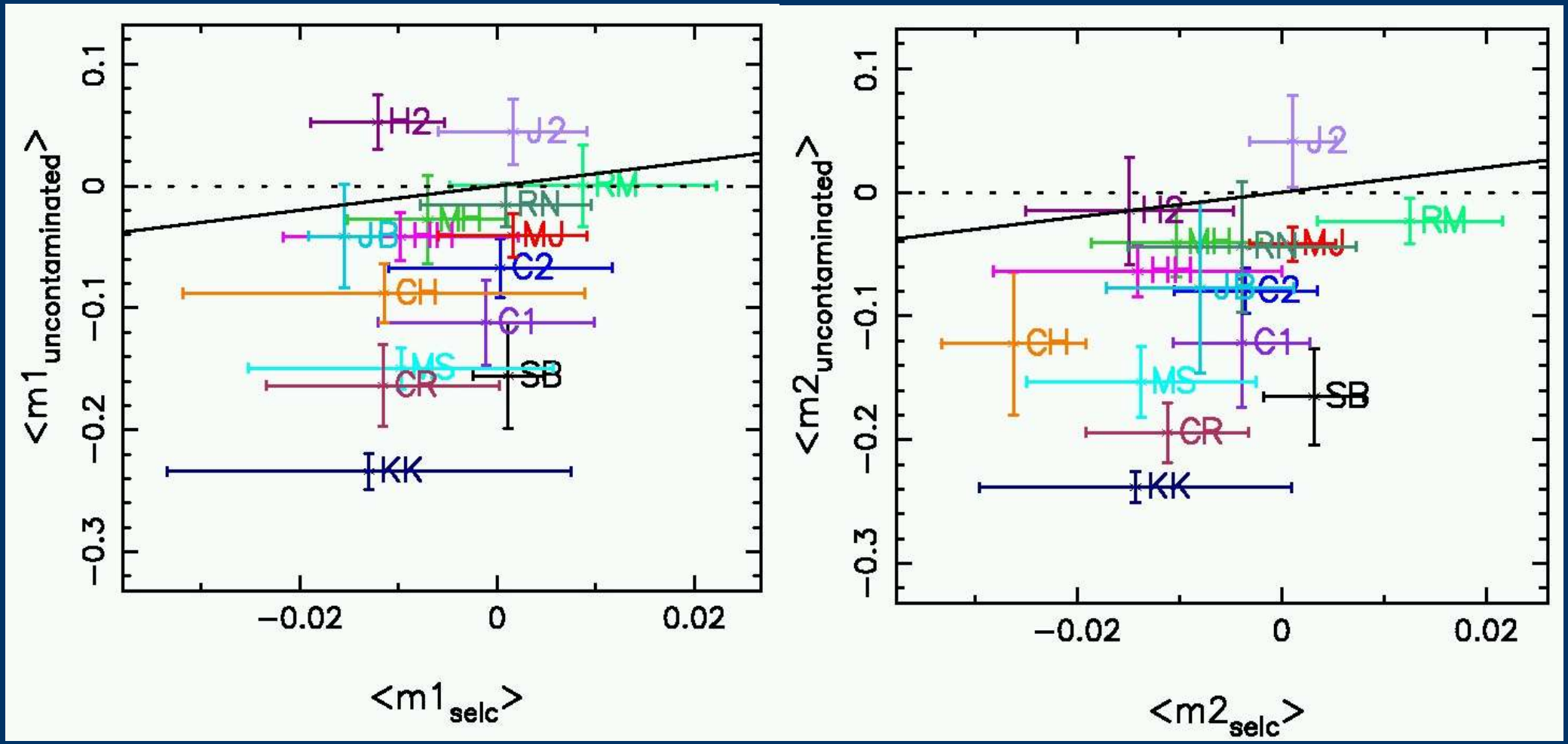
STEP 2 results: $\gamma_i - \gamma_i^{true} = m\gamma_i + c$



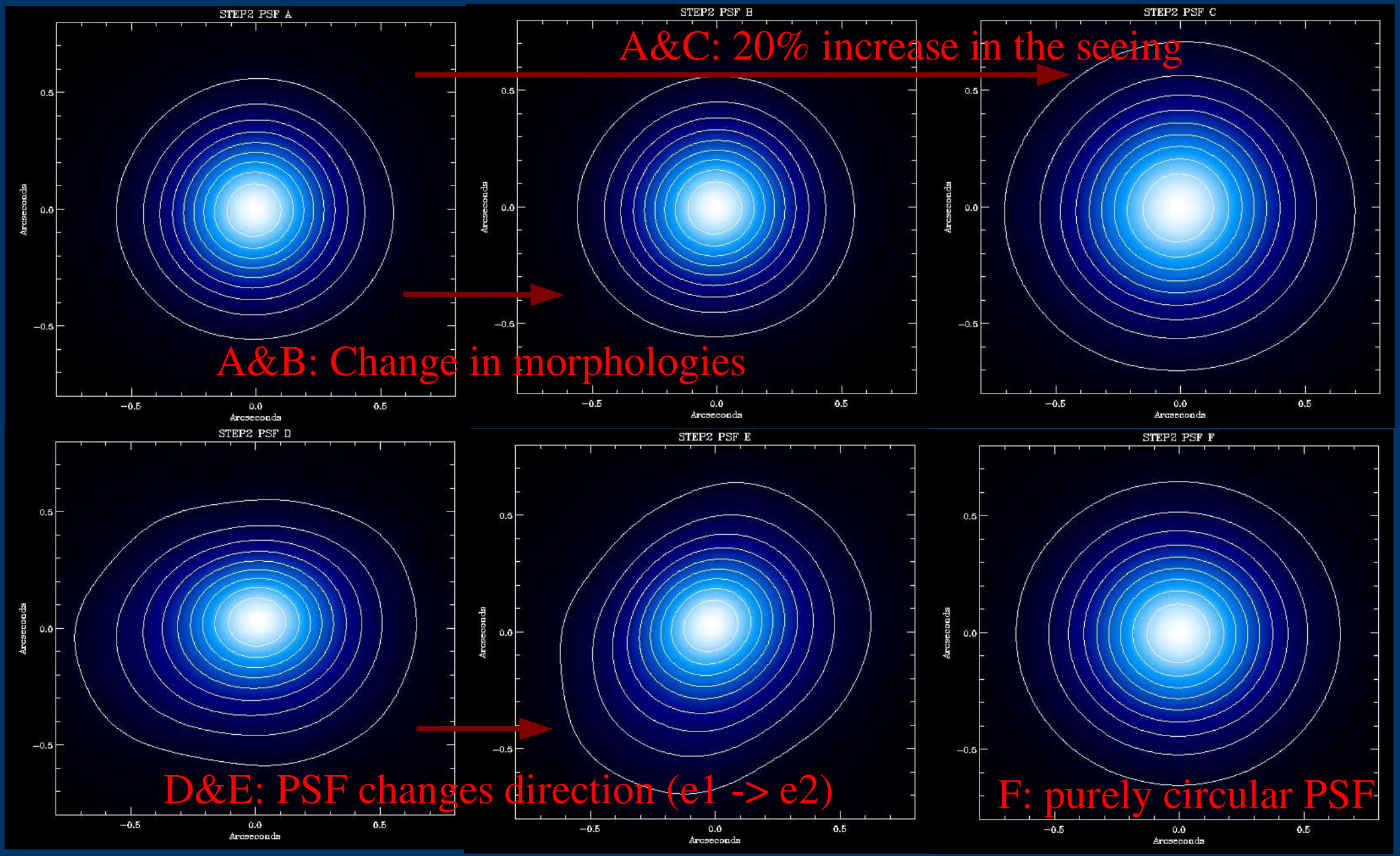
The STEP 2 input shears are small so there was no need for a non-linear q term. Note however that inclusion of q would improve the MJ and RN points

Selection biases, stellar and false object contamination

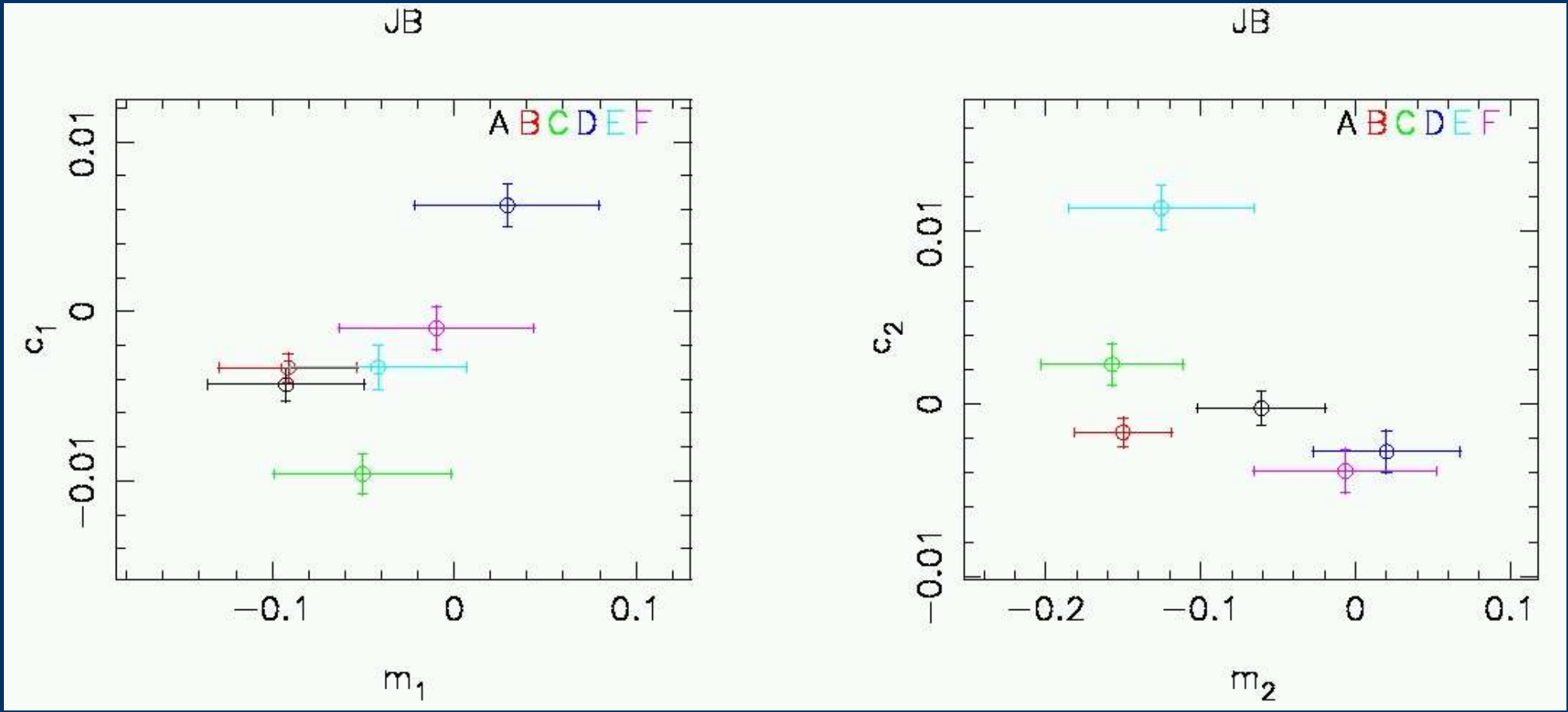


- Centroiding typically accurate to 0.01 pixels for Sextractor.
- Selection bias: typically $m<0.02$ and $c<0.001$.
- Comparing PSF D&E we see no evidence for PSF dependent selection bias (although points are correlated).
- Weight bias <0.5%
  (exceptions KK ~5%, MS ~1%)

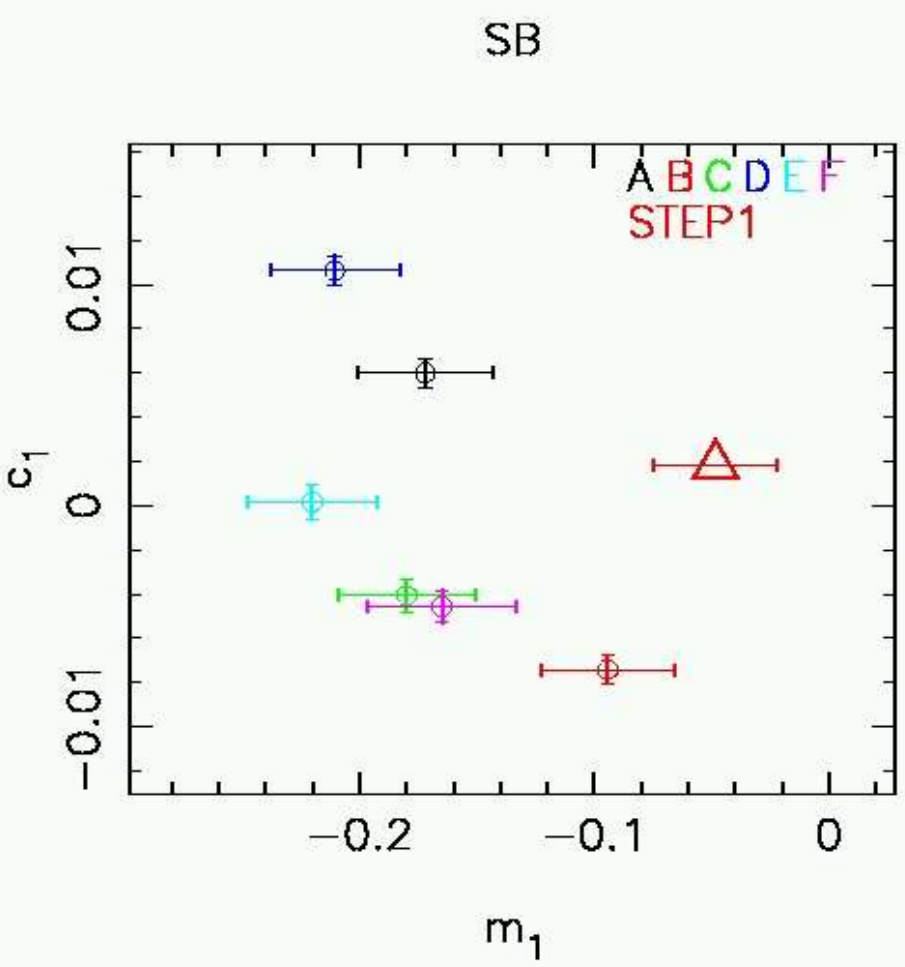
PSF impact on the results

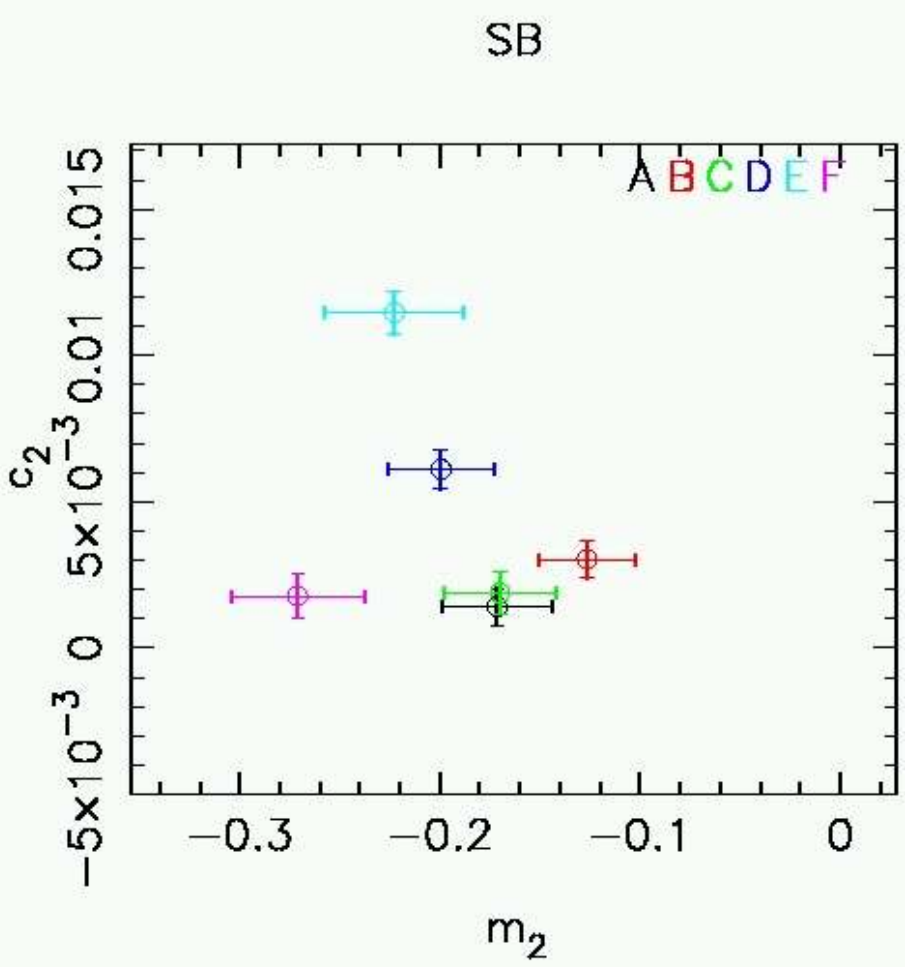


Joel Berge + Massey & Refregier: Shapelets

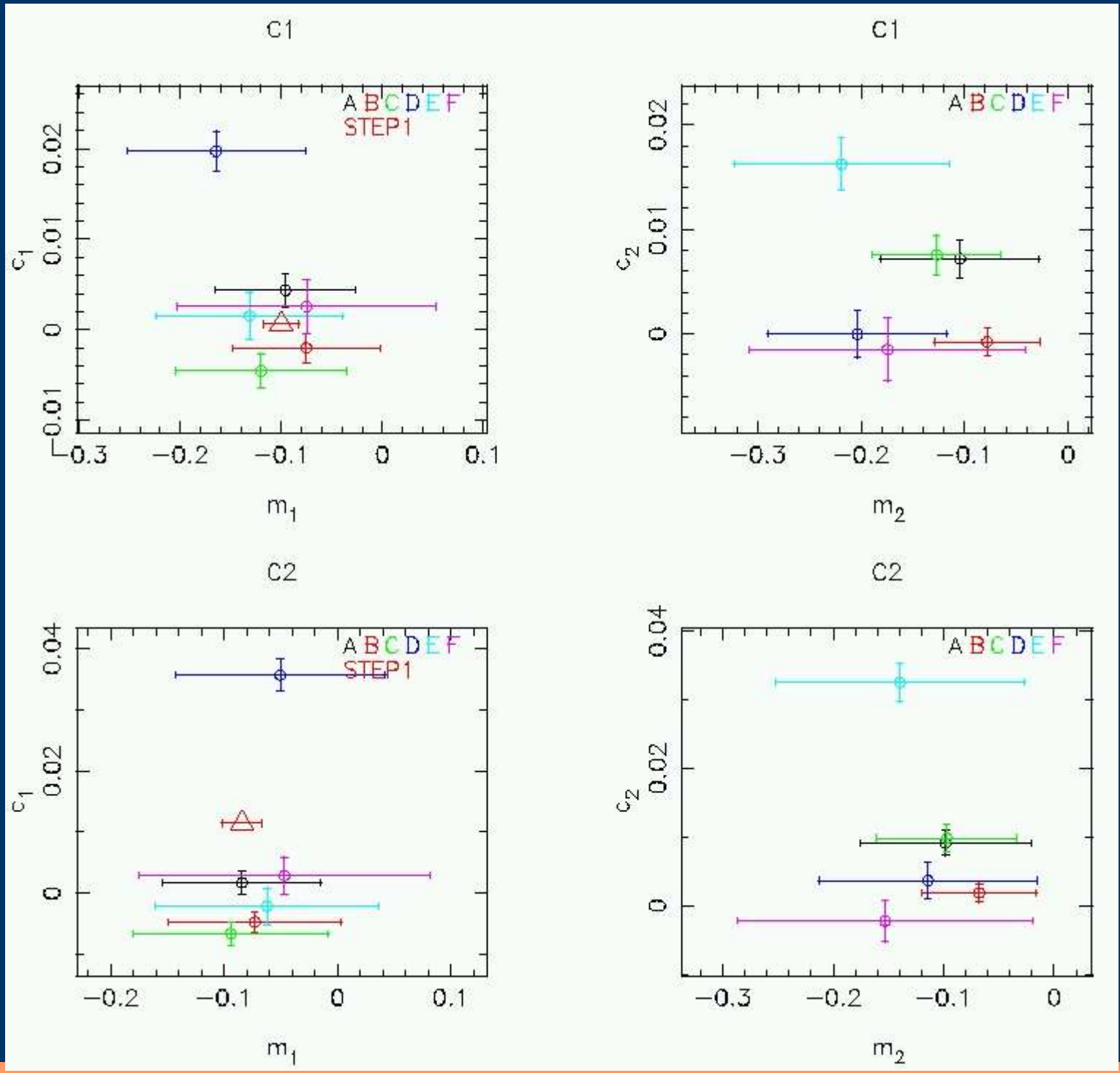


Sarah Bridle : lm2shape

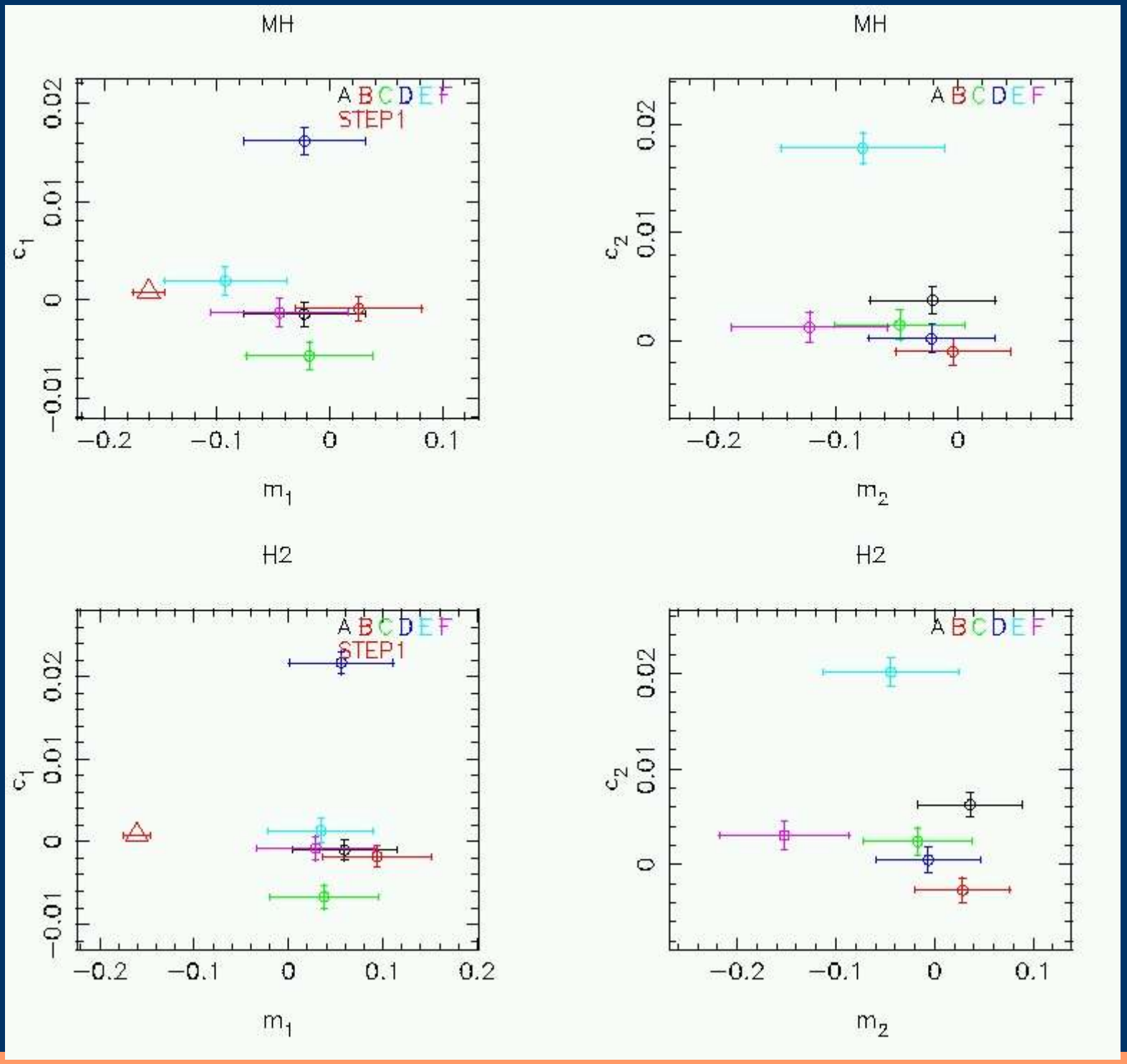




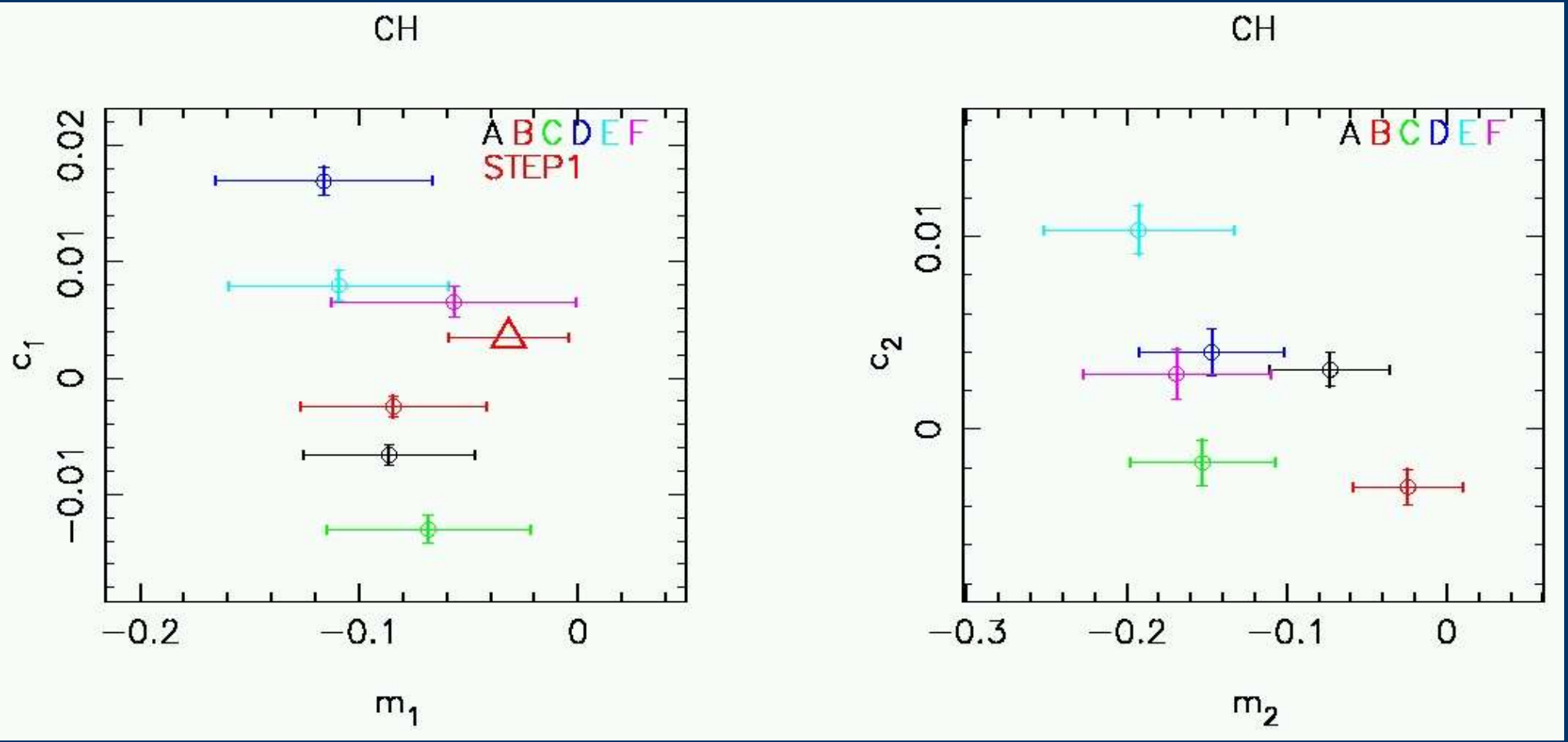
Doug Clowe: KSB



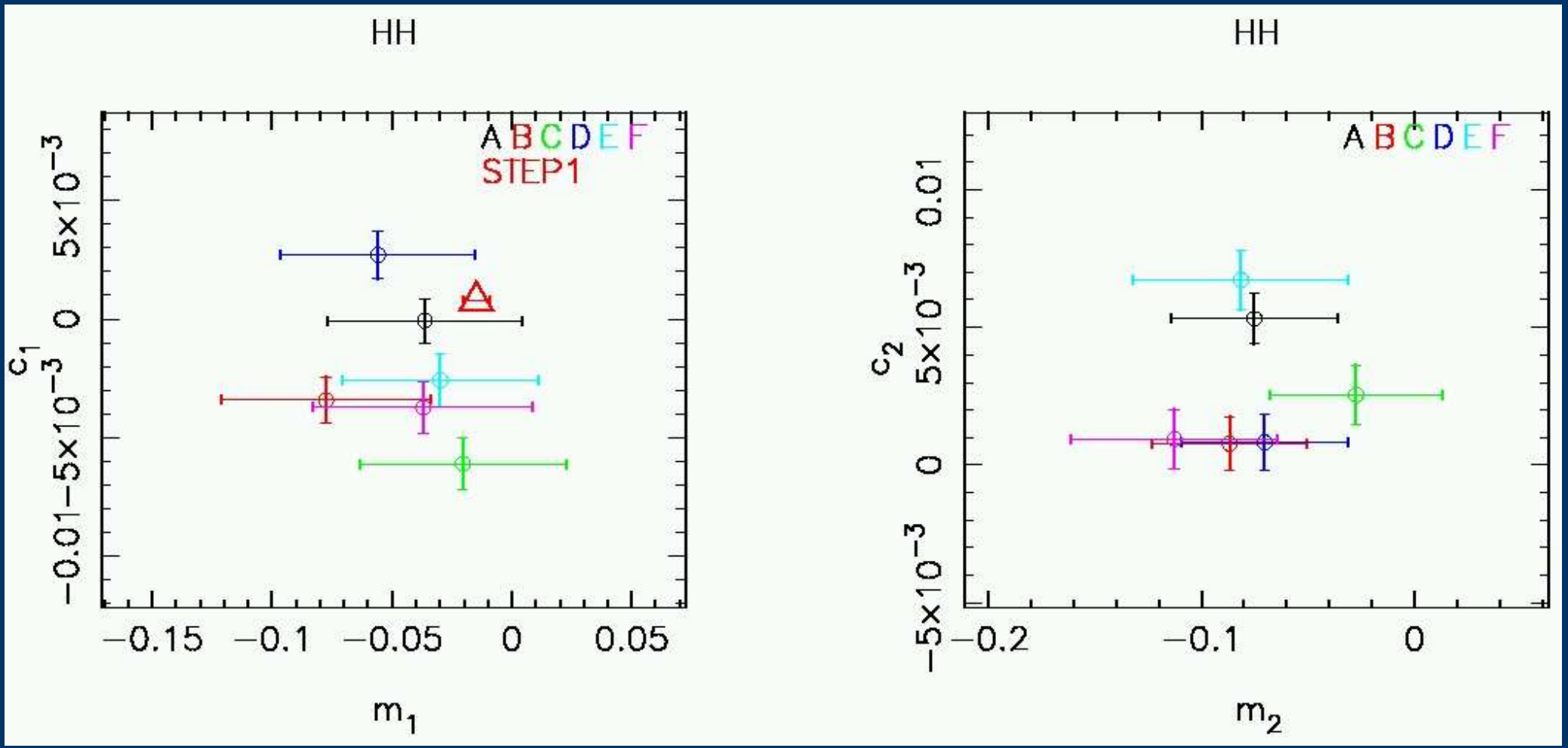
Marco Hetterscheidt : KSB



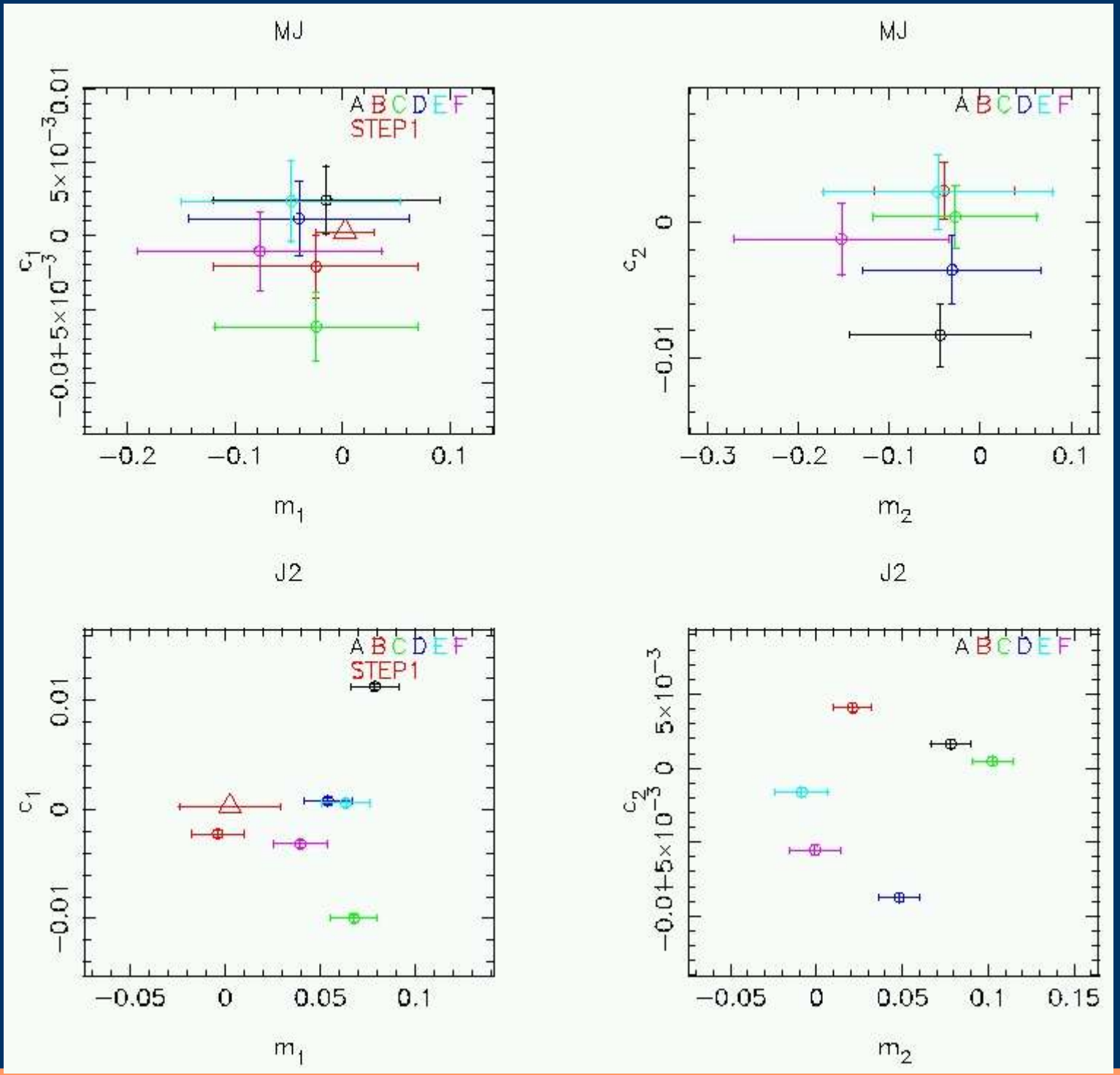
Catherine Heymans: KSB



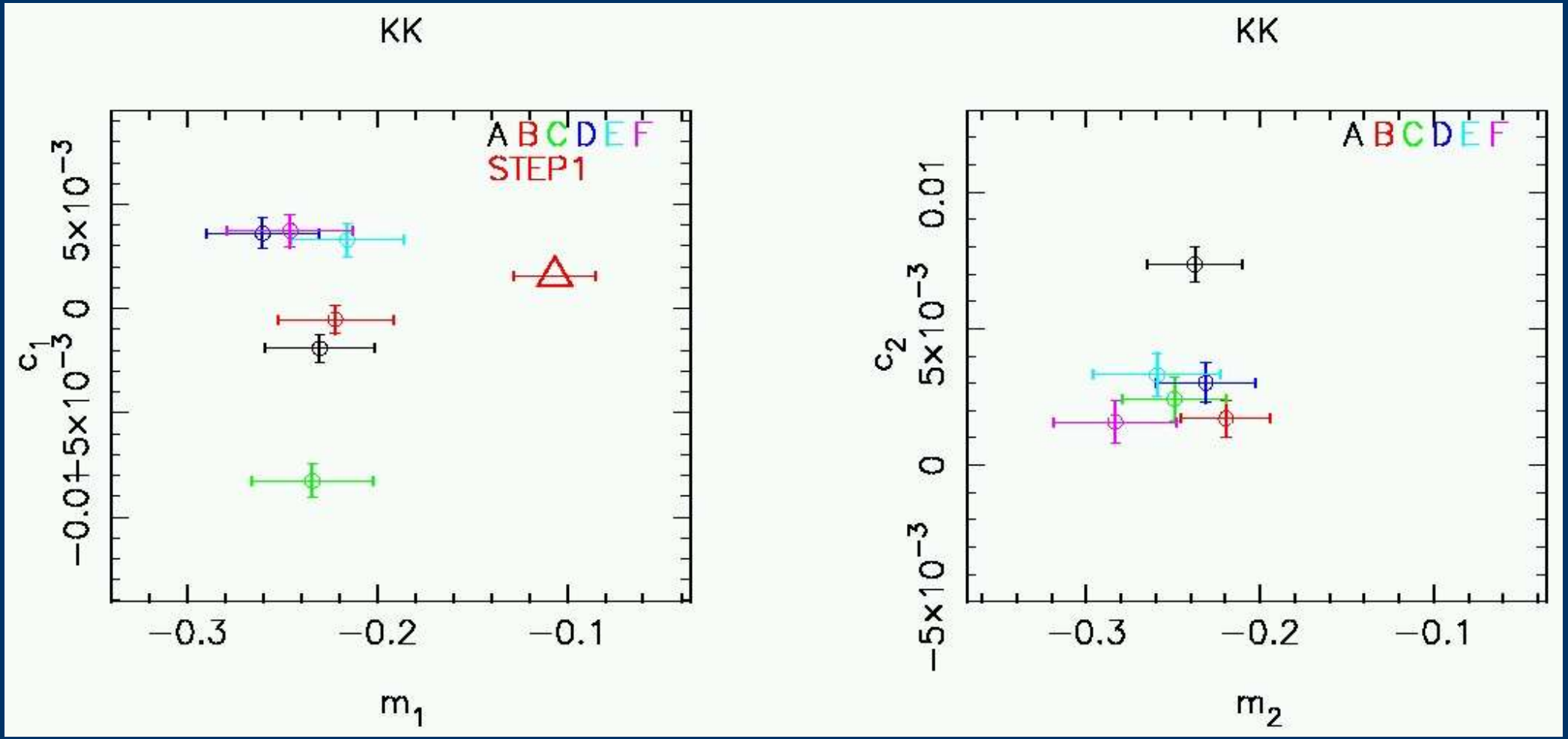
Henk Hoekstra : KSB



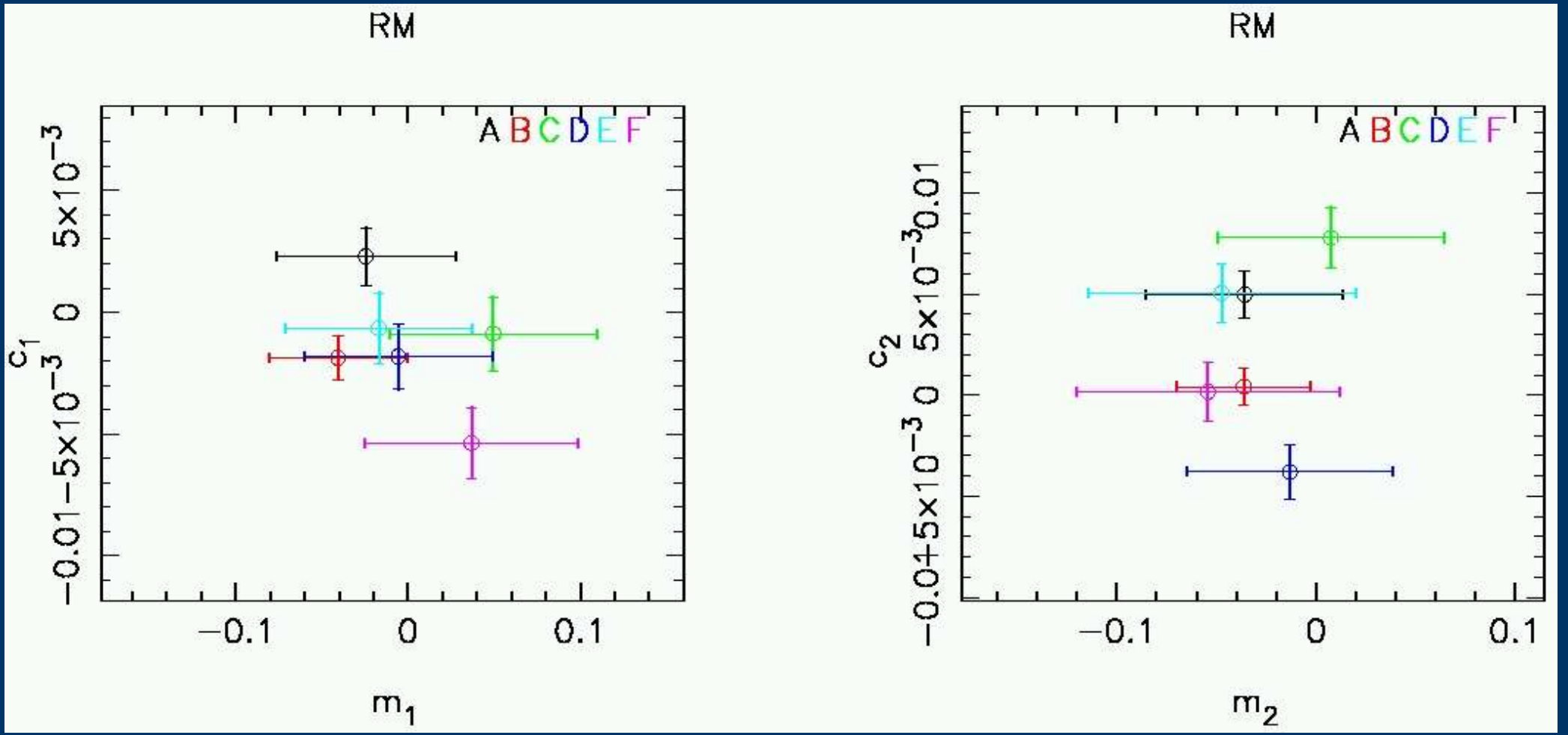
Mike Jarvis: BJ02, rounding kernel method



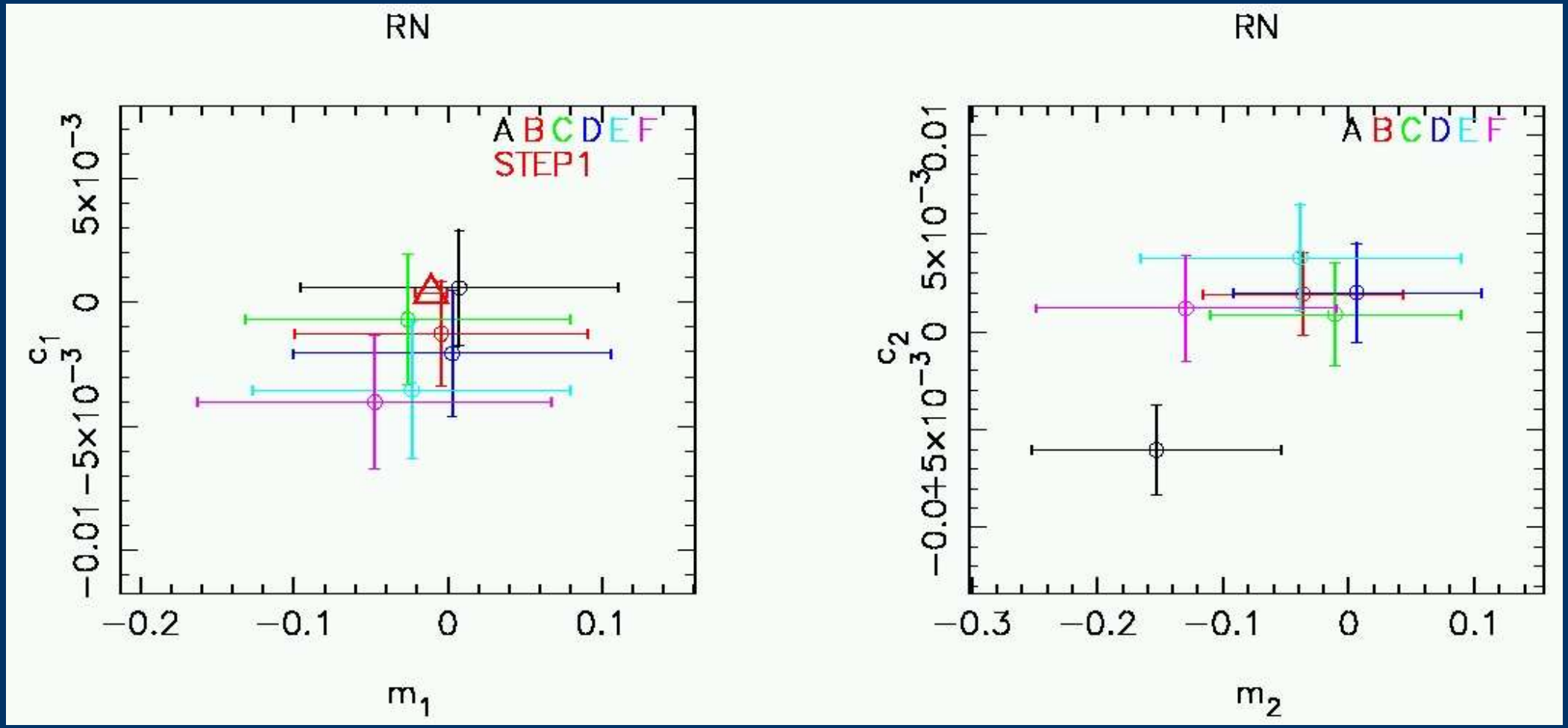
Konrad Kuijken: Shapelets



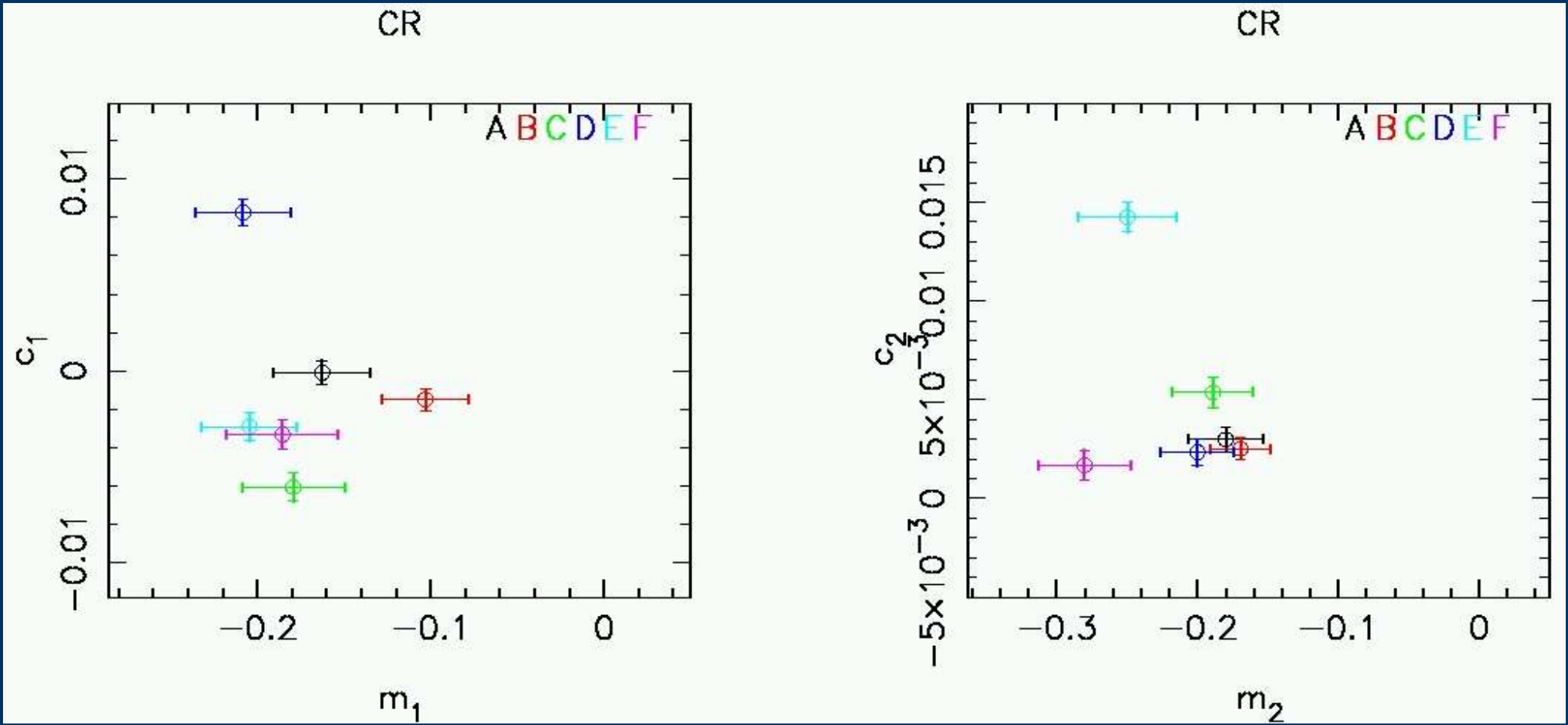
Rachel Mandelbaum



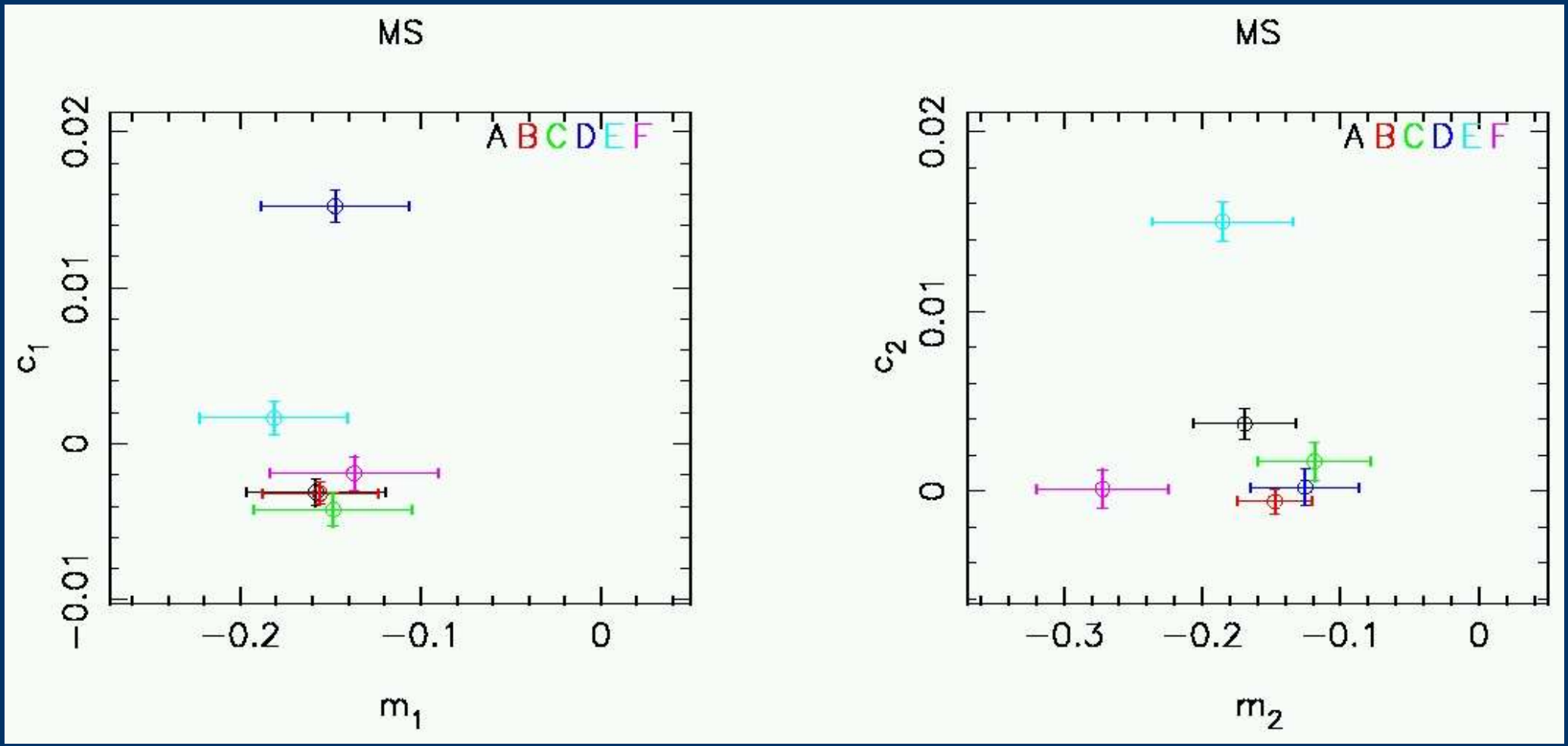
Reiko Nakajima: BJ02 deconvolution method



Chris Roat: Multifit



Mischa Schirmer: KSB



More plots at:

http://www.physics.ubc.ca/~heymans/step/STEP2_more_plots.tar.gz