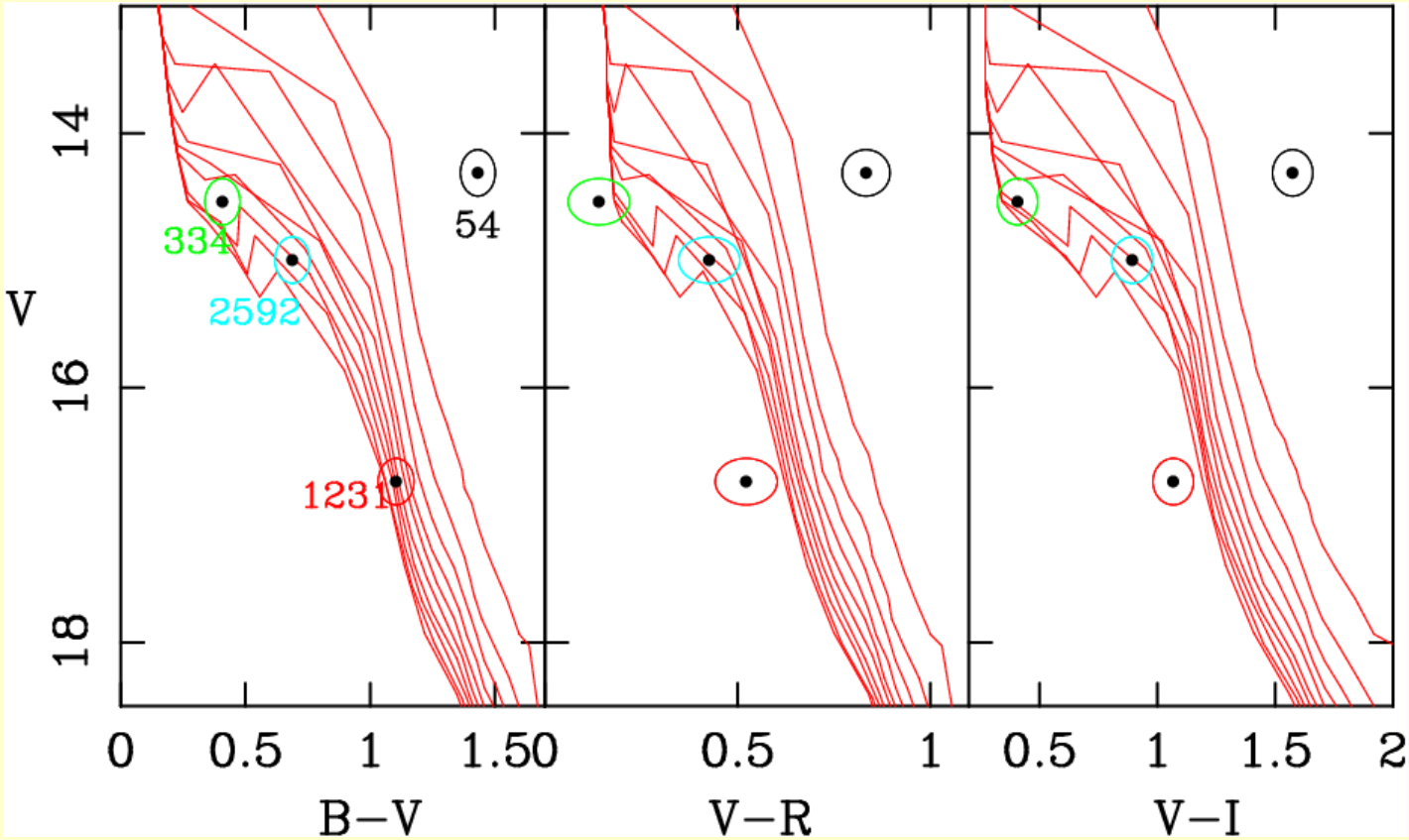
PreMainSequence stars in Young Open Clusters

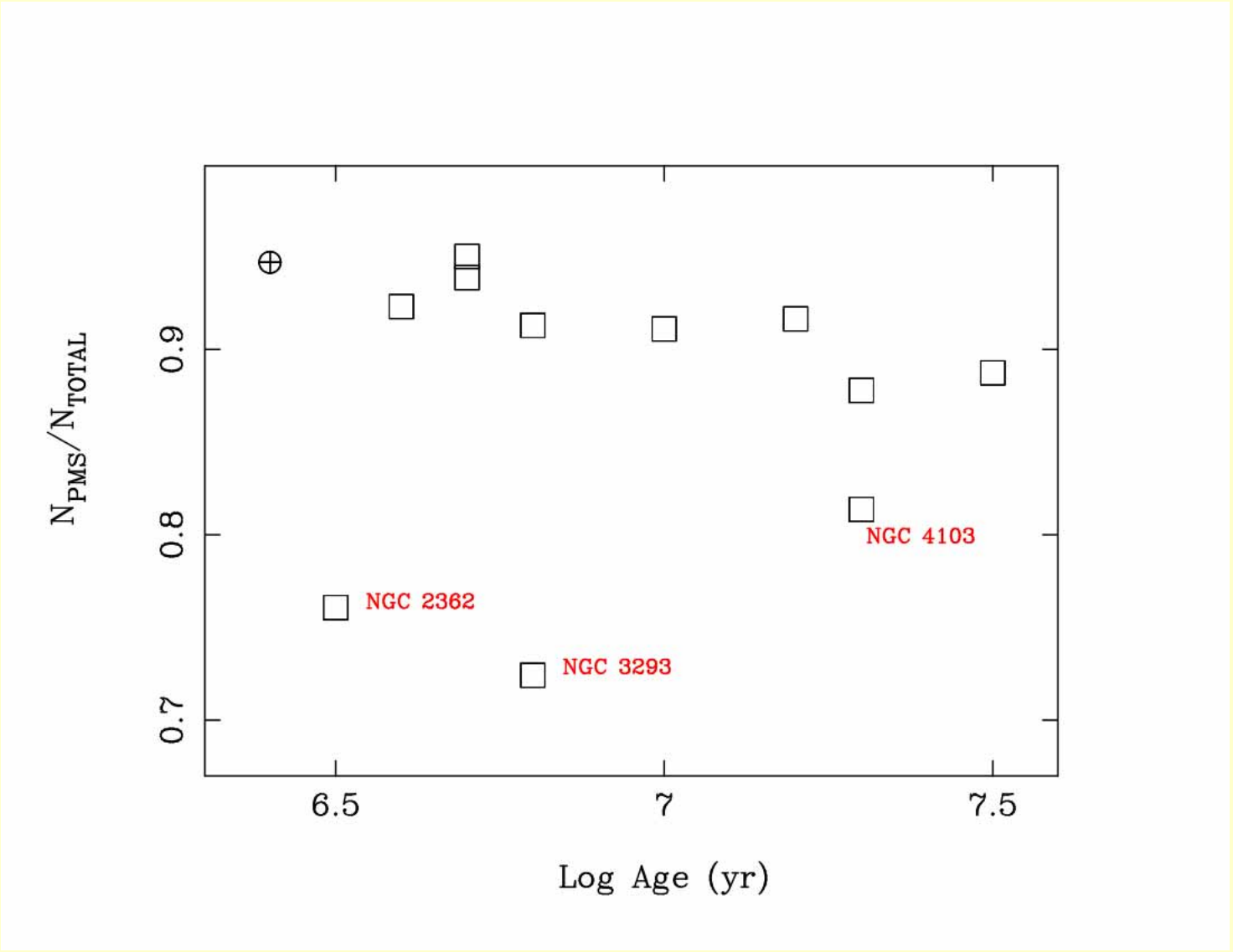
E.J. Alfaro
A.A. Djupvik
J.L. Yun
A.J. Delgado

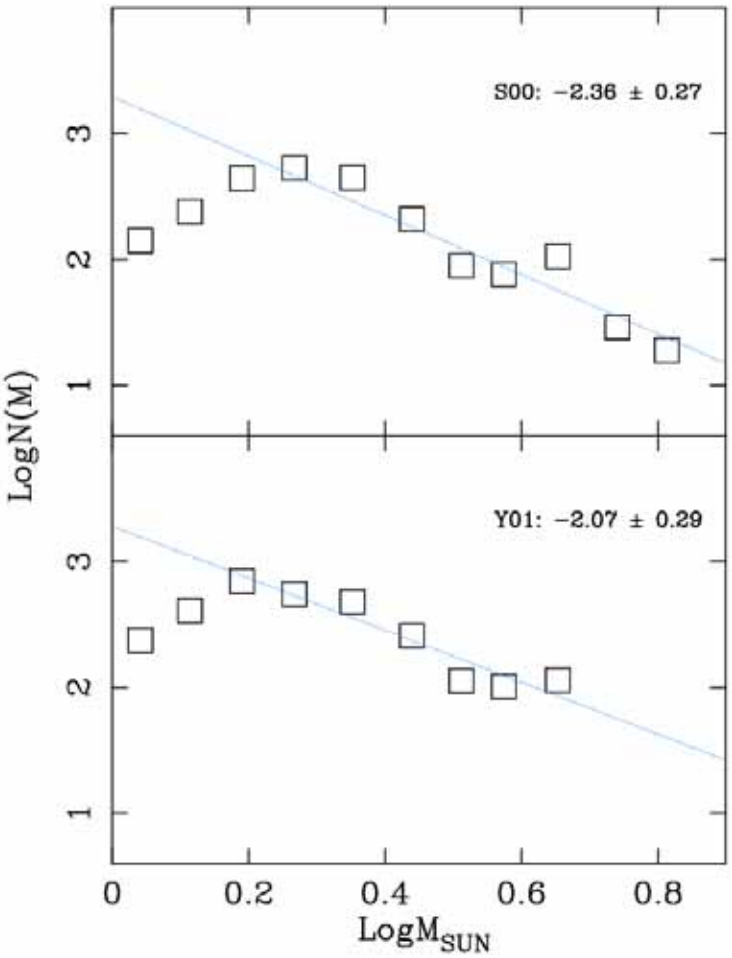
Group of Stellar Systems. IAA-CSIC. Granada

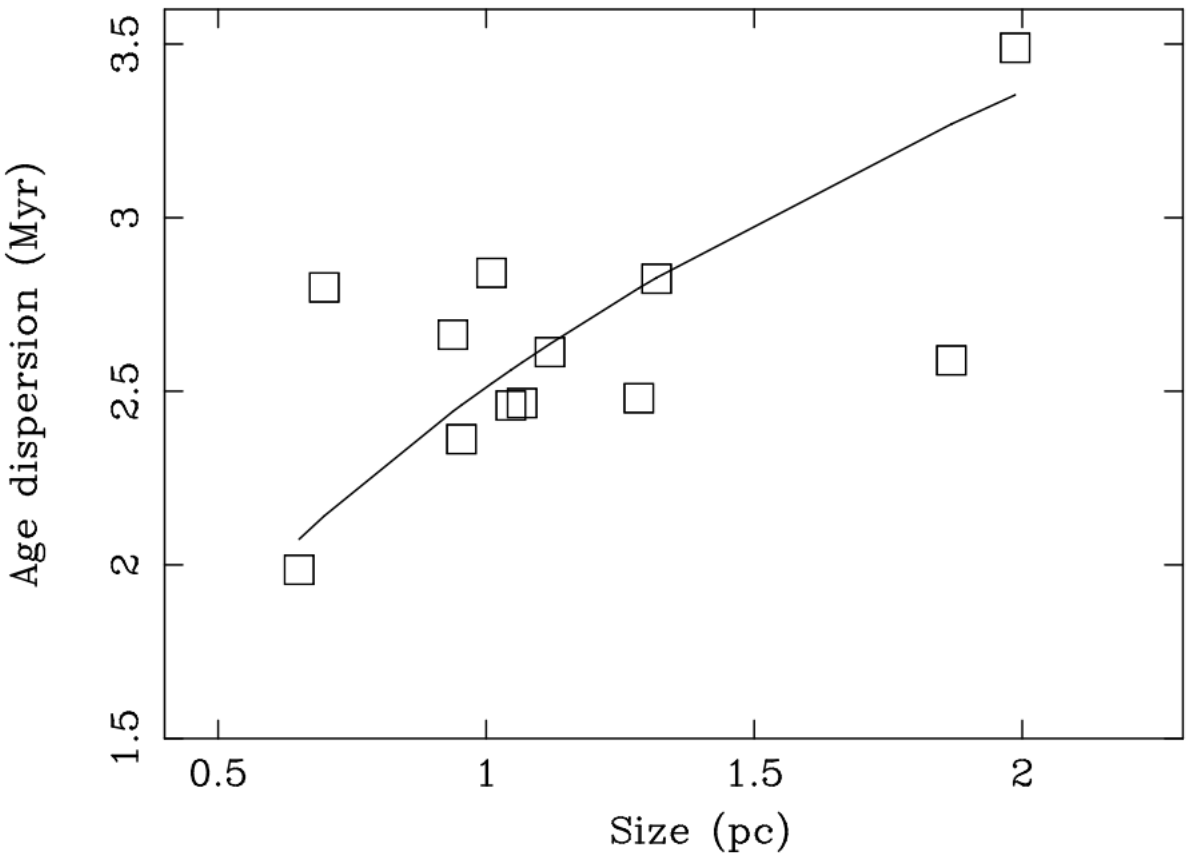


Siess et al., 2000, A&A, 358, 593

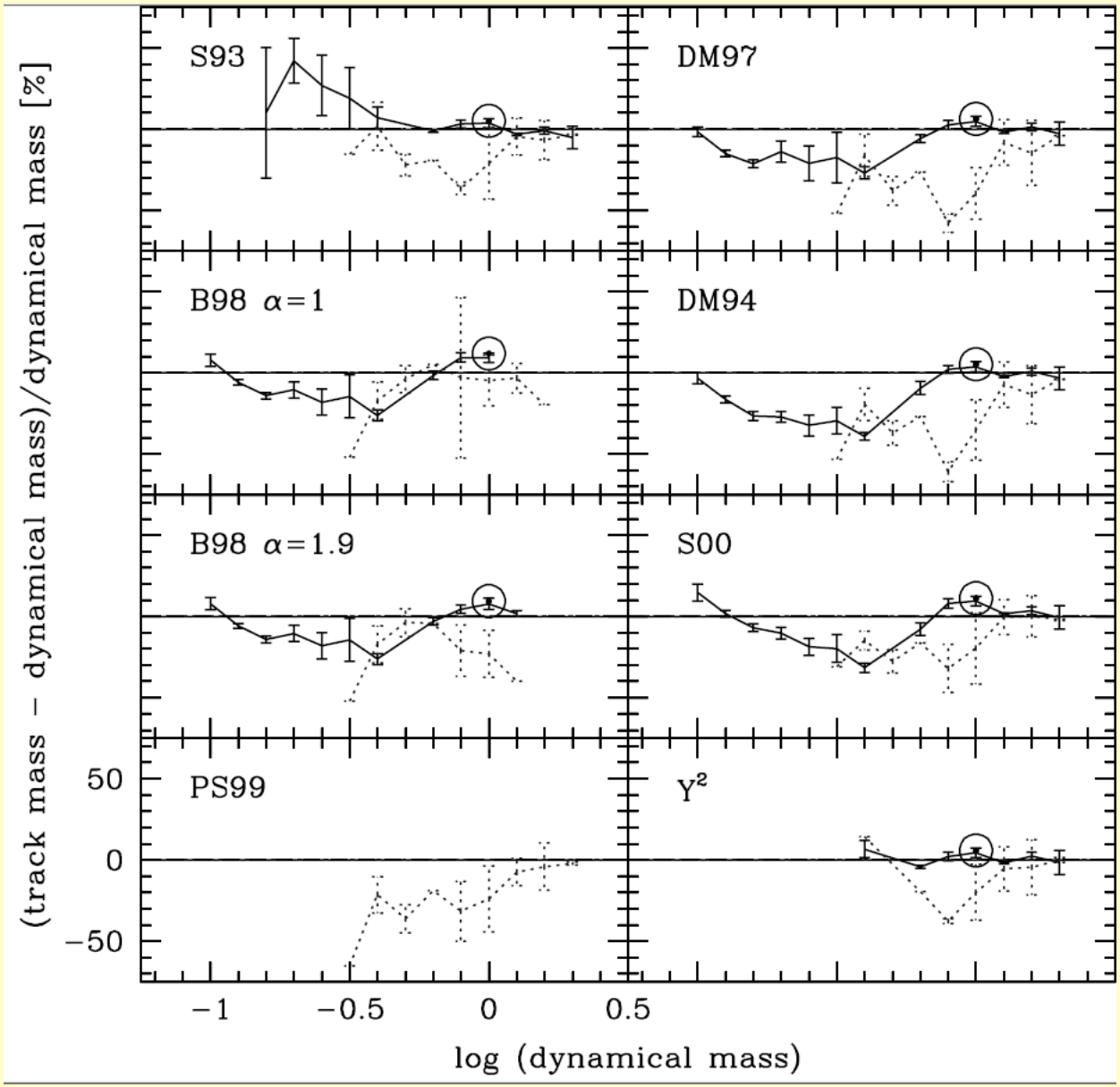
- Members in 3 CM diagrams
- Stars with errors below 0.05 mags in all colour indices


N_{PMS}/N_{TOTAL}
0.9
0.8
0.7
NGC 4103
NGC 2362
NGC 3293
6.5
7
7.5
Log Age (yr)


S00: −2.36 ± 0.27
Y01: −2.07 ± 0.29
LogN(M)
LogM$_{SUN}$
0
0.2
0.4
0.6
0.8
1
2
3

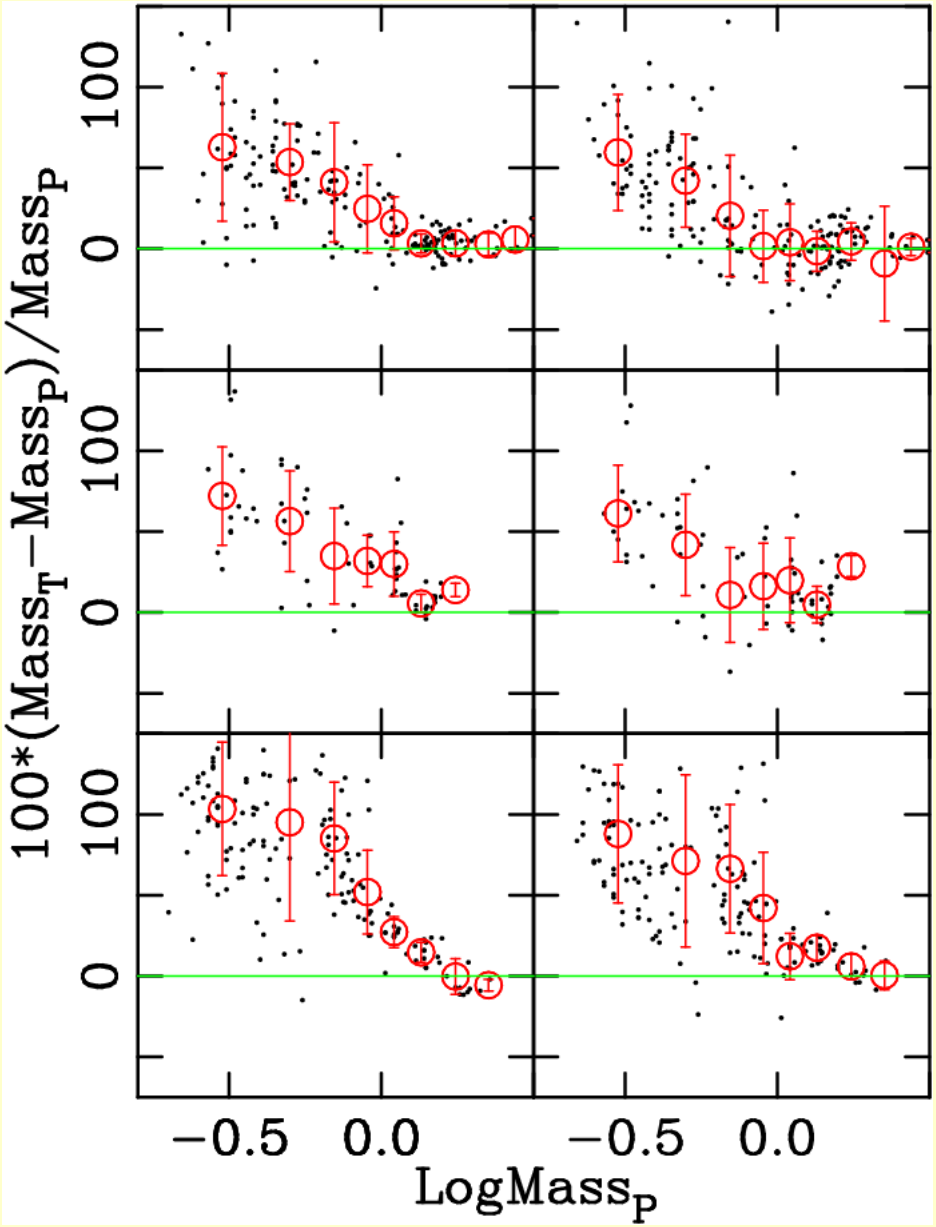


Yu.N. Efremov & B.G. Elmegreen, 1998, MNRAS, 299, 588



L.A. Hillenbrand & R.J. White, 2004, ApJ, 604, 741

Siess et al. 2000 Yi et al. 2001



Dahm et al. 2007, AJ, 134, 999

Flaccomio et al. 2006, A&A, 405, 903

Rebull et al. 2002, AJ, 123, 1528

Connection with LoI's

- From GAIA: Accurate distances
  Membership

- For GAIA: Age Description
  The joint spectroscopic (metallicity) and astrometric observations opens the best way to check the evolutionary models

THANKS



