

Hatzidimitriou D.^{1,2}, Held E.V³, Dapergolas A.² and the Gaia-ESO consortium

¹ National and Kapodistrian University of Athens, Department of Physics

²National Observatory of Athens, Institute of Astronomy, Astrophysics, Space Applications and Remote Sensing, Greece

³ INAF – Osservatorio Astronomico di Padova, Italy

Athens

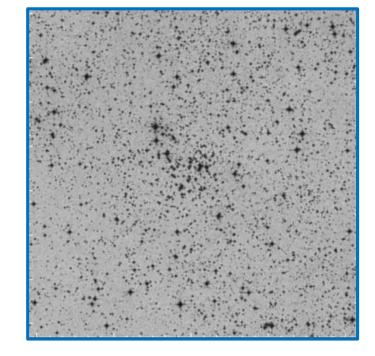
R

Tuesday, July 5th 2016 Poster Session



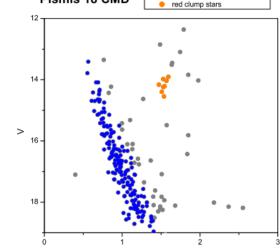
An inner disk intermediate age open cluster in the direction of the galactic center

- confirmed as an open cluster only in 1998
- useful in tracing the structure and evolution of the inner disk of our Galaxy
- GAIA-ESO Spectroscopic Survey (Gilmore et al. 2012)
- Observations VLT— GIRAFFE+ UVES spectrographs May 2014



AIMS

- Radial Velocities
- Metallicities/detailed element abundances
- > Membership
- > Update cluster parameters



Pismis 18 CMD

all stars with BVI photomet

stars closest to MS

Preliminary Results

Radial velocity: ~-29km/s (median)

40 20 0 Vrad -20 -40 -60 -61,8 204,0 -62.0 204,2 -62,2 Dec RA 204,4 -62,4

[Fe/H]: 0.043 dex (median)

