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Tipo de Comunicación: Poster

Sesión Científica: La via lactea y sus componentes

Título: Reveal the population of ASCC20

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Resumen:

We present a study of the open cluster ASCC-20. This young stellar association is ~20 Myr old (based on the upper main sequence fitting) and is located at 450 pc. We have created a multi-wavelength photometric catalogue of cluster candidate members by using archival data and data-mining techniques. In addition, we have followed-up a fraction of our candidates by using astrometric --from different epochs-- and additional spectroscopic data -- with CAHA-TWIN and GTC-OSIRIS. We have derived spectral types, confirmed their membership and measured spectral features related with their youth down to the M7 spectral type.