

ABSTRACT ONLY

STELLAR POPULATIONS IN THE IFU SURVEYS ERA

G. Magris C.¹ and G. Bruzual A.²

The availability of data from the on-going IFU surveys of galaxies in the Local Universe impose to go over the algorithms of stellar population models to adequate them to the added dimension to the information accesible for each galaxy. We use the recent implementation of Charlot & Bruzual 2016 population synthesis models, and find that a stochastic sampling of the initial mass function allows to reconcile the predictions derived from the star formation history derived from resolved population in the color-magnitude diagram, with the integrated spectrum obtained from the spatial resolved spectral energy distribution from Integral Field Spectroscopy observations. This represents a step forward through a robust determination of galaxies stellar parameters such as mass, age, metallicity and mass assembly.

¹ Centro de Investigaciones de Astronomía (CIDA), Apdo. Postal 264, Mérida, Venezuela (magris@cida.gob.ve). cida.gob.ve)

² Instituto de Radioastronomía y Astrofísica, Universidad Nacional Autónoma de México, Campus Morelia, Apartado Postal 3–72, 58090 Morelia, Michoacán, México (g.bruzual@crya.unam.mx).
