INTERESTING CASE OF NGC 4473 GALAXY

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THE MOST FAMOUS CLASSIFICATION SCHEME



REVISED HUBBLE'S SCHEME

Kormendy & Bender 1996: ApJL, 464, 119



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Kormendy & Bender 1996: ApJL, 464, 119



INTEGRAL FIELD SPECTROSCOPY – IFS



Image credit: Stephen Todd (ROE) and Douglas Pierce-Price (JAC)

REREVISED HUBBLE'S SCHEME

Cappellari+ 2011: MNRAS 416, 1680

$$\epsilon = 1 - b/a = 0.4$$



REREVISED HUBBLE'S SCHEME

Cappellari+ 2011: MNRAS 416, 1680



NGC 4473: V-BAND IMAGE (1.4m MILANKOVIĆ TELESCOPE)

GALFIT – Peng et al. 2010: AJ, 139, 2097











1D SPECTROSCOPY: PPXF (CAPPELLARI+ 2018)



MUSE KINEMATICS OF NGC 4473 - SINGLE COMPONENT



MUSE KINEMATICS OF NGC 4473 - TWO COMPONENTS



SIMPLE STELLAR POPULATION - SSP



LICK INDICES

Relative Flux



25 Lick indices

Worthey 1994 Worthey & Ottaviani 1997

RMODEL - CARDIEL+ 2003: A&A, 409, 511



SINGLE SPECTRUM MODELLING



Ages and metallicities



DENSITY DISTRIBUTIONS - QUEST FOR BIMODALTY



GIST (GALAXY IFU SPECTROSCOPY TOOL) PIPELINE

https://abittner.gitlab.io/thegistpipeline/ Bittner+ 2019 (arXiv:190604746B)

