



The Morphologies of Galaxies in the SDSS3 Baryon Oscillation Spectroscopic Survey from COSMOS HST Imaging

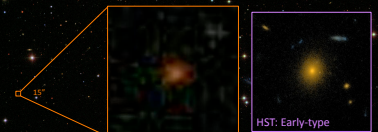
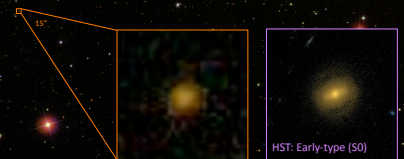
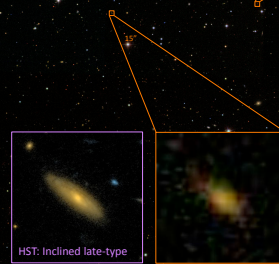
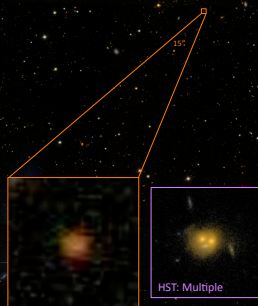
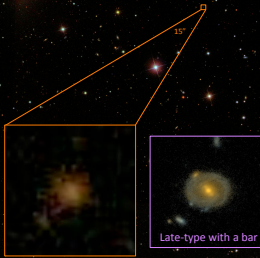
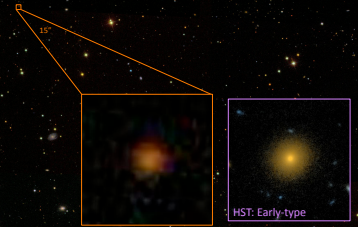
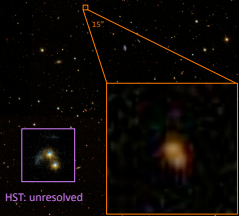
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We find 240 BOSS target galaxies in COSMOS HST Imaging

74% early-type galaxies
23% late-type galaxies
2% point sources (stars or quasars)



- 23% of BOSS early-type galaxies are resolved into multiples in HST images – dry mergers at $z \sim 0.5$?

- A colour cut of $(g-i) > 2.35$ can produce a sample which is 90% early-type galaxies.

(MNRAS in press; arXiv:1106.3331)

Background: SDSS gri image of the COSMOS area 1.3x1.3 deg (produced with help from Edd Edmondson¹).
SDSS 15x15" gri cutouts from Skyserver: skyserver.sdss3.org

HST colour cutouts produced for Galaxy Zoo: Hubble (www.galaxyzoo.org) using COSMOS ACS imaging

The Moon to scale with the large mosaic

