

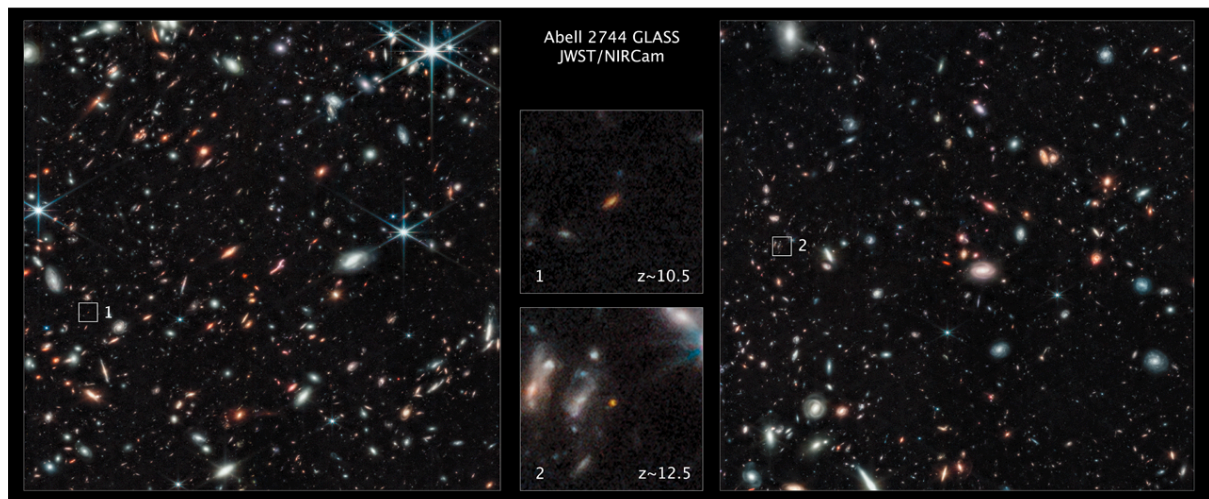
Extragalactic Surveys with JWST

JWST_Extragal

JWST is revolutionizing the study of galaxy evolution, allowing the study of sources up to $z \sim 15$ with an unprecedented wealth of information. To make the best use of the extraordinary potential several extragalactic surveys have been and will be conducted collecting the legacy of similar initiatives carried out with HST (HDF, GOODS, CANDELS, FFs). The Italian researches are actively taking part in these surveys starting from the Early Science Release phase (GLASS and CEERS), whose data are still being exploited, to PRIMER, WDEEP, COSMOS-Webb and PASSAGE, whose analysis is ongoing.

The most recent addition is the spectroscopic survey CAPERS which will obtain spectra for about 10000 galaxies in three main extragalactic fields (UDS; COSMOS and EGS) during Cycle 3.

Our group is involved both in data reduction phase and most importantly in the scientific data exploitation.



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