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Performances of the AMICO galaxy cluster algorithm on cosmoDC2 simulation

jeudi 8 juin 2023 09:30 (15 minutes)

AMICO is an algorithm for the detection of galaxy clusters in photometric surveys, being implemented in DESC. AMICO has been successfully run on cosmoDC2 and the characterization of the produced catalog will be presented (e.g. completeness, purity and mass-richness relation). A first comparison to redMaPPer results will also be presented, highlighting the galaxy population differences between the two catalogs.

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