
Photometric Selection of Lyman Continuum Emitting Galaxy Candidates

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Abstract

The escape fraction of ionizing radiation (i.e. Lyman continuum emission, LyC) from galaxies has a fundamental influence on the intergalactic medium across cosmic time, most notably during reionization. LyC will not, however, be observed from galaxies beyond $z = 5$ due to the high opacity of the IGM, thus proxies for the fraction of LyC that escapes galaxies are required. Currently many studies of such proxies have been spectroscopic signatures such as Ly-alpha peak separation and the [OIII]/[OII] ratio. Statistical samples of confirmed LyC emitting galaxies at z

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