STUDY OF THE EMISSION OF PAHS IN 7.7μM AND IR EMISSION FOR A SAMPLE OF GALAXIES AT HIGH REDSHIFT

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This study investigates a possible correlation between the star formation rate (SFR) from the PAHs emission in the line of 7.7μm and IR emission for a sample of galaxies at high redshift obtained by the Spitzer Space Telescope.

Profiles emission of PAHs for the sample were extracted using the PAHFIT tool, designed to decomposing Spitzer IRS spectra and written in the IDL programming language, in order to determine the luminosity and the star formation rate for each of the galaxies.

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