
Observations of high-redshift galaxies with Herschel and ALMA

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Résumé

I will try to present the current state of various projects for follow-up observations with ALMA (and NOEMA) of high- z submillimeter galaxies discovered with Herschel (SMGs), both for projects in progress or planned ones. This could include: characterization of prominent, exceptional sources such as strong gravitational lenses, sources with $z > 4-5$, HyLIRGs, etc.; redshift determination from CO lines; nature, structure and properties of the sources, discs or mergers; high- z (proto-)clusters; use of strong lensing for high sensitivity studies of the interstellar medium and of various molecules such as H₂O; prospects for studying chemistry, isotopologues, outflows, AGN, etc. I will specially emphasize cases allowing the best synergies between NOEMA and ALMA.

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