DUST AND STARS INTERPLAY IN GALAXIES

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Monday, July 19, 2021, 15:45–17:30 (CEST)

In this lecture I will present the context of studies of dust obscuration in galaxies, mots of the time unresolved. I will present the main concept, in particular from radiative transfer modelling, the derivation of effective attenuation laws and discuss popular empirical relations to measure the amount of attenuation. I will briefly conclude on the impact of this interplay on key galactic parameters as star formation rates and stellar masses.

Useful references related to the lecture :

- Salim & Narayanan, 2020, ARAA, 58, 129
- Calzetti, 2012, Proceedings of the XXIII Canary Islands Winter School of Astrophysics : 'Secular Evolution of Galaxies', astro-ph/1208.2997
- Chevallard et al. 2013, MNRAS 432, 2061
- Narayanan et al. 2018, ApJ 869, 70