

Linking the Imprint of Low and High Energy Processes on Galaxy SEDs Annual Report

The new Working Group "Linking the Imprint of Low and High Energy Processes on Galaxy SEDs" was created in January 2020. The WG is chaired by Dr. Richard Tuffs from the Max-Planck Institute fuer Kernphysik in Heidelberg and Prof. Ellen Zweibel from University of Wisconsin-Madison.

This WG was created with the main goal to explore astrophysical connections between thermal and non-thermal components in galaxies, with the aim of identifying missing links that can be established between the high-energy astrophysics community, in particular the gamma-ray community and the extragalactic community analysing SED of galaxies, in particular the infrared community. These links are both in terms of identifying physical processes that can be solved in a self-consistent way through theory and modelling, but also in terms of sharing methods and techniques.

The creation of this WG was accomplished through consultation and discussions between the President of the Commission and its Organising Committee, but also through talks with the parent Division J and with the relevant Division H.