

title

Report on the International Training in Tenerife

abstract

I stayed in Tenerife from September to December and studied with members of the QUIJOTE CMB experiment. In this talk, I would like to report the result.

Thermal emission from interstellar amorphous dusts is one of the candidates of the origin of anomalous microwave emission (AME) which is one of the foreground emission to cosmic microwave background radiation (CMB). In order to study whether the amorphous dust grain model is able to explain diagnostics of whole frequency range spectrum, we modeled spectrum energy distributions (SEDs) of amorphous dusts and demonstrated SED fitting for archetypal AME objects' data given by QUIJOTE. Our model reproduces the observational data from far infrared to millimeter including the AME very well.