



Contribution ID: 543

Type: **Talk in the parallel session**

Diffusive photospheres in gamma-ray bursts

Monday, 5 July 2021 17:40 (30 minutes)

Photospheric emission from relativistic outflows may originate in two different regimes: photon decoupling within the outflow or radiative diffusion. I will discuss observed thermal component in the early afterglows of gamma-ray bursts as emission from such diffusive photospheres. In addition, I will discuss implications of photon diffusion for dissipative models of GRBs.

Primary author: VERESHCHAGIN, Gregory (ICRANet)

Presenter: VERESHCHAGIN, Gregory (ICRANet)

Session Classification: Photospheric Emission in GRBs

Track Classification: Fast Transients: Photospheric Emission in GRBs