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Spectroscopy of GRBs: Where are we now?

Tuesday, 6 July 2021 10:30 (30 minutes)

As we are now in the era of fitting physical models to the MeV spectra of GRBs, we must address the proper way to analyze data from MeV GRB as well as how we check the quality of our fits. I will discuss the mathematically proven way to assess spectral fits, compare models, and treat the data with care. We will then apply these tools to physical models such as synchrotron emission and discuss the implications of the physical parameters. Furthermore, I will discuss where we can go from our current status to learn more about the emission mechanisms in GRBs.

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