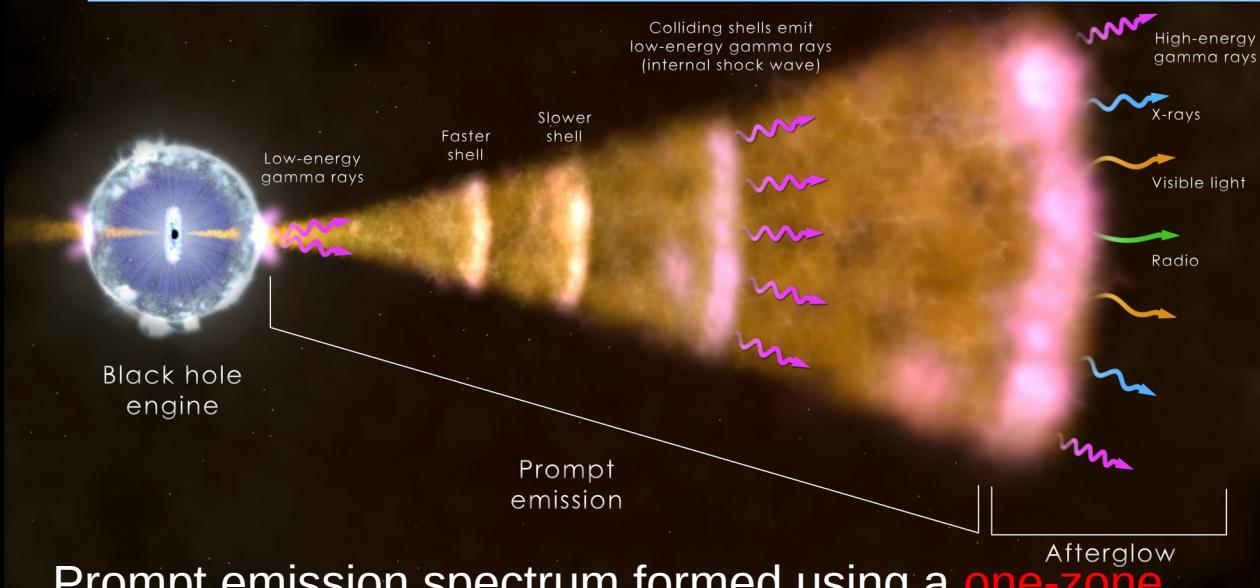


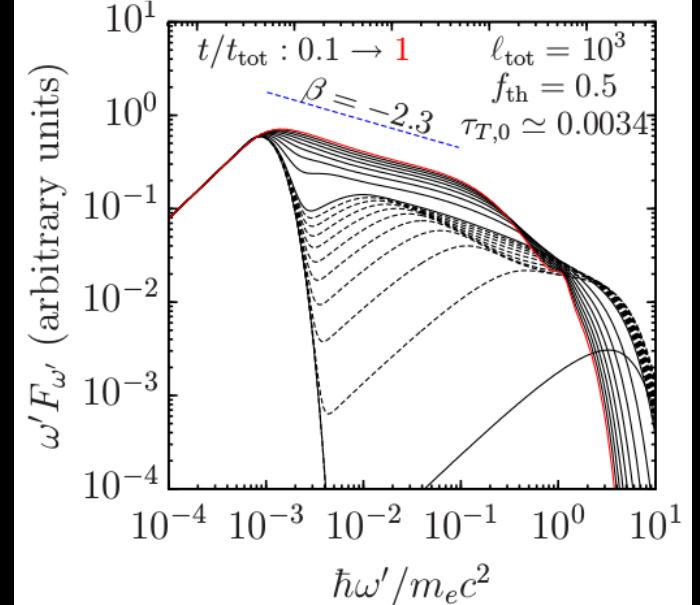
# Dynamical Evolution of, Dissipation Mechanism & Radiation Transfer in High-Sigma Relativistic Jets

Ramandeep Gill (Sunny) @ Open University of Israel



Prompt emission spectrum formed using a **one-zone kinetic code**. For dynamics and full treatment see:  
 Gill & Thompson, 2014 & Thompson & Gill, 2014

Typical GRB prompt spectrum shown in the comoving frame



Kruskal-Schwarzchild instability in a highly relativistic, magnetized jet with a striped wind B-field geometry.  
 Prelim. work done during the workshop using Athena4.2 and yt

[Uniform density with sigma = 0.1]

