

- **grbm: gamma-ray burst continuum**

A model for gamma-ray burst continuum spectra developed by D. Band, et. al., 1993 (ApJ 413, 281).

$$A(E) = \begin{cases} K (E/100.)^{\alpha_1} \exp(-E/E_c) & E < (\alpha_1 - \alpha_2)E_c \\ K [(\alpha_1 - \alpha_2)E_c/100.]^{(\alpha_1 - \alpha_2)} (E/100.)^{\alpha_2} \exp[-(\alpha_1 - \alpha_2)] & E > (\alpha_1 - \alpha_2)E_c \end{cases}$$

where E is in units of 100 keV.

par1 = α_1 first power law index
par2 = α_2 second power law index
par3 = E_c characteristic energy in keV
norm = K normalization constant