

- **bbodyrad: blackbody spectrum, area normalized**

A blackbody spectrum with normalization proportional to the surface area.

$$A(E) = \frac{K \times 1.0344 \times 10^{-3} E^2 dE}{\exp\left(\frac{E}{kT}\right) - 1}$$

par1                      temperature  $kT$ , keV  
 norm,                     $R_{km}^2/D_{10}^2$ , where  $R_{km}$  is the source radius in km, and,  $D_{10}$  is the  
 K                          distance to the source in units of 10 kpc