

kerrconv: accretion disk line shape with BH spin as free parameter

Convolves the current spectrum with the line shape from the kerrdisk model. A detailed description can be found in Brenneman & Reynolds (2006ApJ...652.1028B). This model is quite slow so is best used after models such as laor or diskline have been employed to get an estimate of the best-fit parameters.

- par1 = rest frame line energy (keV)
- par2 = emissivity index for the inner disk
- par3 = emissivity index for the outer disk
- par4 = break radius separating the inner and outer portions of the disk (gravitational radii)
- par5 = dimensionless black hole spin
- par6 = disk inclination angle to the line of sight (degrees)
- par7 = inner radius of the disk in units of the radius of marginal stability
- par8 = outer radius of the disk in units of the radius of marginal stability