

laor: accretion disk, black hole emission line

An emission line from an accretion disk around a black hole. Ari Laor's calculation including GR effects (ApJ 376, 90).

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|----------------|---|
| par1 | Line energy in keV |
| par2= α | power law dependence of emissivity (scales as $R^{-\alpha}$) |
| par3 | inner radius (units of GM/c^2) |
| par4 | outer radius (units of GM/c^2) |
| par5 | inclination (degrees) |
| norm | photons $\text{cm}^{-2}\text{s}^{-1}$ in the line |