$$\rho_L = \Gamma(\alpha + 2)\phi^\star L^\star \tag{1}$$

$$d\phi = \phi^\star (L/L^\star)^\alpha exp(-L/L^\star) dL/L^\star \tag{2}$$

$$d\phi = 0.921\phi^\star (L/L^\star)^{\alpha+1} exp(-L/L^\star) dM \tag{3}$$