$$R_\nu = \epsilon_\nu B_\nu(T_s)\tau_\nu(p_s \to 0,\, \theta_{\mathrm{sat}}) + \int_{p_s}^{0} B_\nu(T(p))\, \frac{d\tau_\nu(p \to 0,\, \theta_{\mathrm{sat}})}{dp}\, dp$$