

$$\begin{aligned}
R_\nu &= \epsilon_\nu B_\nu(T_s) \tau_\nu(p_s \rightarrow 0, \theta_{\text{sat}}) \\
&+ \int_{p_s}^0 B_\nu(T(p)) \frac{d\tau_\nu(p \rightarrow 0, \theta_{\text{sat}})}{dp} dp \\
&+ F_\nu^d \rho_\nu^t \tau_\nu(p_s \rightarrow 0, \theta_{\text{sat}}) \\
&+ \frac{H_\nu}{\sec(\theta_{\text{sun}})} \tau_\nu(0 \rightarrow p_s, \theta_{\text{sun}}) \rho_\nu^s \tau_\nu(p_s \rightarrow 0, \theta_{\text{sat}}).
\end{aligned}$$