

$$\psi_{lmn}^{\mathcal{R},-}(r) = \begin{cases} a_{lmn}^h \psi_{lmn}^h(r), & r \leq r_{\min} \\ b_{lmn}^{\infty,-} \psi_{lmn}^{\infty}(r) + b_{lmn}^{h,-} \psi_{lmn}^h(r) + \psi_{lmn}^{\text{inh},-}(r), & r_{\min} < r < r_{\max} \end{cases}$$