Fundamental field	Symmetries	Decomposition into SO(3) irrep(s)	Source
C_α	(None)	$C_{1^-}^{\#1}{}_\alpha + C_{0^+}^{\#1} \, n_\alpha$	$\mathcal{L}_\alpha$

SO(3) irrep	Symmetries	Expansion in terms of the fundamental field	Source SO(3) irrep
$C_{0^+}^{\#1}$	(None)	$C^\alpha \, n_\alpha$	$\mathcal{L}_{0^+}^{\#1}$
$C_{1^-}^{\#1}{}_\alpha$	(None)	$C_\alpha - C^\beta \, n_\alpha \, n_\beta$	$\mathcal{L}_{1^-}^{\#1}{}_\alpha$