

Fundamental field	Symmetries	Decomposition into SO(3) irrep(s)	Source
\mathcal{A}_α	(None)	$\mathcal{A}_{1^-}^{\#1}{}_\alpha + \mathcal{A}_{0^+}^{\#1} n_\alpha$	\mathcal{J}_α
SO(3) irrep	Symmetries	Expansion in terms of the fundamental field	Source SO(3) irrep
$\mathcal{A}_{0^+}^{\#1}$	(None)	$\mathcal{A}^\alpha n_\alpha$	$\mathcal{J}_{0^+}^{\#1}$
$\mathcal{A}_{1^-}^{\#1}{}_\alpha$	(None)	$\mathcal{A}_\alpha - \mathcal{A}^\beta n_\alpha n_\beta$	$\mathcal{J}_{1^-}^{\#1}{}_\alpha$