

Fundamental field	Symmetries	Decomposition into SO(3) irrep(s)	Source
$\mathcal{B}_{\alpha\beta}$	Symmetry[2, $\mathcal{B}^{\bullet 1\bullet 2}$ , { $\bullet 1 \rightarrow -a$ , $\bullet 2 \rightarrow -b$ }, StrongGenSet[{1, 2}, GenSet[-(1,2)]]]	$\mathcal{B}^{\#1}_{1^+ \alpha\beta} - \mathcal{B}^{\#1}_{1^- \beta} n_\alpha + \mathcal{B}^{\#1}_{1^- \alpha} n_\beta$	$\mathcal{J}_{\alpha\beta}$
SO(3) irrep	Symmetries	Expansion in terms of the fundamental field	Source SO(3) irrep
$\mathcal{B}^{\#1}_{1^+ \alpha\beta}$	Symmetry[2, $\mathcal{B}^{\#1 \bullet 1\bullet 2}_{1^+}$ , { $\bullet 1 \rightarrow -a$ , $\bullet 2 \rightarrow -b$ }, StrongGenSet[{1, 2}, GenSet[-(1,2)]]]	$\mathcal{B}_{\alpha\beta} + \mathcal{B}_{\beta\chi} n_\alpha n^\chi - \mathcal{B}_{\alpha\chi} n_\beta n^\chi$	$\mathcal{J}^{\#1}_{1^+ \alpha\beta}$
$\mathcal{B}^{\#1}_{1^- \alpha}$	Symmetry[1, $\mathcal{B}^{\#1 \bullet 1}_{1^-}$ , { $\bullet 1 \rightarrow -a$ }, StrongGenSet[{}], GenSet[]]	$\mathcal{B}_{\alpha\beta} n^\beta$	$\mathcal{J}^{\#1}_{1^- \alpha}$