Basic conventions

Minkowski metric tensor	Totally antisymmetric tensor	Four-momentum	Four-momentum norm	Massive rest-frame
$\eta_{\mu\nu}$	$\epsilon\eta_{\mu\nu\rho\sigma}$	k^μ	$k^2 == k_\mu\ k^\mu$	$n^\mu == \dfrac{k^\mu}{k}$

Fundamental field	Symmetries	Decomposition in SO(3) irreps	Source
$\mathcal{B}_\alpha$	Symmetry[1, $\mathcal{B}^{\bullet 1}$, {$\bullet 1 \to$ -a}, StrongGenSet[{}, GenSet[]]]	$\mathcal{B}^{\#1}_{1^-}{}_\alpha + \mathcal{B}^{\#1}_{0^+}\ n_\alpha$	$\mathcal{J}_\alpha$

SO(3) irrep	Symmetries	Expansion in terms of the fundamental field	Source
$\mathcal{B}^{\#1}_{0^+}$	Symmetry[0, $\mathcal{B}^{\#1}_{0^+}$, {}, StrongGenSet[{}, GenSet[]]]	$\mathcal{B}^\alpha\ n_\alpha$	$\mathcal{J}^{\#1}_{0^+}$
$\mathcal{B}^{\#1}_{1^-}{}_\alpha$	Symmetry[1, $\mathcal{B}^{\#1 \bullet 1}_{1^-}$, {$\bullet 1 \to$ -a}, StrongGenSet[{}, GenSet[]]]	$\mathcal{B}_\alpha - \mathcal{B}^\beta\ n_\alpha\ n_\beta$	$\mathcal{J}^{\#1}_{1^-}{}_\alpha$