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}	$k^2 == k_{\mu}\ k^{\mu}$	$n^{\mu} == \frac{k^{\mu}}{k}$

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