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
$f_{\alpha\beta}$	Symmetry[2, $f^{\bullet 1\bullet 2}$, {$\bullet 1 \to$ -a, $\bullet 2 \to$ -b}, StrongGenSet[{}, GenSet[]]]	$\frac{1}{3}\ \eta_{\alpha\beta}\ f^{\#1}_{0^+} + f^{\#1}_{1^+\alpha\beta} + f^{\#1}_{2^+\alpha\beta} + f^{\#1}_{1^-\beta}\ n_{\alpha} + f^{\#2}_{1^-\alpha}\ n_{\beta} - \frac{1}{3}\ f^{\#1}_{0^+}\ n_{\alpha}\ n_{\beta} + f^{\#2}_{0^+}\ n_{\alpha}\ n_{\beta}$	$\tau_{\alpha\beta}$

SO(3) irrep	Symmetries	Expansion in terms of the fundamental field	Source
$f^{\#1}_{0^+}$	Symmetry[0, $f^{\#1}_{0^+}$, {}, StrongGenSet[{}, GenSet[]]]	$f^{\alpha}{}_{\alpha} - f^{\alpha\beta}\ n_{\alpha}\ n_{\beta}$	$\tau^{\#1}_{0^+}$
$f^{\#2}_{0^+}$	Symmetry[0, $f^{\#2}_{0^+}$, {}, StrongGenSet[{}, GenSet[]]]	$f^{\alpha\beta}\ n_{\alpha}\ n_{\beta}$	$\tau^{\#2}_{0^+}$
$f^{\#1}_{1^+\alpha\beta}$	Symmetry[2, $f^{\#1}_{1^+}{}^{\bullet 1\bullet 2}$, {$\bullet 1 \to$ -a, $\bullet 2 \to$ -b}, StrongGenSet[{1, 2}, GenSet[-(1,2)]]]	$\frac{f_{\alpha\beta}}{2} - \frac{f_{\beta\alpha}}{2} + \frac{1}{2}\ f_{\beta}{}^{\chi}\ n_{\alpha}\ n_{\chi} - \frac{1}{2}\ f^{\chi}{}_{\beta}\ n_{\alpha}\ n_{\chi} - \frac{1}{2}\ f_{\alpha}{}^{\chi}\ n_{\beta}\ n_{\chi} + \frac{1}{2}\ f^{\chi}{}_{\alpha}\ n_{\beta}\ n_{\chi}$	$\tau^{\#1}_{1^+\alpha\beta}$
$f^{\#1}_{1^-\alpha}$	Symmetry[1, $f^{\#1}_{1^-}{}^{\bullet 1}$, {$\bullet 1 \to$ -a}, StrongGenSet[{}, GenSet[]]]	$f^{\beta}{}_{\alpha}\ n_{\beta} - f^{\beta\chi}\ n_{\alpha}\ n_{\beta}\ n_{\chi}$	$\tau^{\#1}_{1^-\alpha}$
$f^{\#2}_{1^-\alpha}$	Symmetry[1, $f^{\#2}_{1^-}{}^{\bullet 1}$, {$\bullet 1 \to$ -a}, StrongGenSet[{}, GenSet[]]]	$f_{\alpha}{}^{\beta}\ n_{\beta} - f^{\beta\chi}\ n_{\alpha}\ n_{\beta}\ n_{\chi}$	$\tau^{\#2}_{1^-\alpha}$
$f^{\#1}_{2^+\alpha\beta}$	Symmetry[2, $f^{\#1}_{2^+}{}^{\bullet 1\bullet 2}$, {$\bullet 1 \to$ -a, $\bullet 2 \to$ -b}, StrongGenSet[{1, 2}, GenSet[(1,2)]]]	$\frac{f_{\alpha\beta}}{2} + \frac{f_{\beta\alpha}}{2} - \frac{1}{3}\ \eta_{\alpha\beta}\ f^{\chi}{}_{\chi} + \frac{1}{3}\ f^{\chi}{}_{\chi}\ n_{\alpha}\ n_{\beta} - \frac{1}{2}\ f_{\beta}{}^{\chi}\ n_{\alpha}\ n_{\chi} - \frac{1}{2}\ f^{\chi}{}_{\beta}\ n_{\alpha}\ n_{\chi} - \frac{1}{2}\ f_{\alpha}{}^{\chi}\ n_{\beta}\ n_{\chi} - \frac{1}{2}\ f^{\chi}{}_{\alpha}\ n_{\beta}\ n_{\chi} + \frac{1}{3}\ \eta_{\alpha\beta}\ f^{\chi\delta}\ n_{\chi}\ n_{\delta} + \frac{2}{3}\ f^{\chi\delta}\ n_{\alpha}\ n_{\beta}\ n_{\chi}\ n_{\delta}$	$\tau^{\#1}_{2^+\alpha\beta}$