Field kinematics

Momentum	Norm	Frame
k^μ	$k^2 == k_\mu\ k^\mu$	$n^\mu == \frac{k^\mu}{k}$

Fundamental fields

Fields	Symmetries	SO(3)	Sources
$f_{\alpha\beta}$	StrongGenSet[{},GenSet[]]	$\frac{1}{3}\ \eta_{\alpha\beta}\ {}^{\#1}_{0^+}f + {}^{\#1}_{1^+}f_{\alpha\beta} + {}^{\#1}_{2^+}f_{\alpha\beta} + {}^{\#1}_{1^-}f_\beta\ n_\alpha + {}^{\#2}_{1^-}f_\alpha\ n_\beta - \frac{1}{3}\ {}^{\#1}_{0^+}f\ n_\alpha\ n_\beta + {}^{\#2}_{0^+}f\ n_\alpha\ n_\beta$	$j_{\alpha\beta}$

SO(3) irreps

SO(3)	Symmetries	Expansion	Sources
${}^{\#1}_{0^+}f$	StrongGenSet[{}, GenSet[]]	$f^\alpha{}_\alpha - f^{\alpha\beta}\ n_\alpha\ n_\beta$	${}^{\#1}_{0^+}j$
${}^{\#2}_{0^+}f$	StrongGenSet[{}, GenSet[]]	$f^{\alpha\beta}\ n_\alpha\ n_\beta$	${}^{\#2}_{0^+}j$
${}^{\#1}_{1^+}f_{\alpha\beta}$	StrongGenSet[{1, 2}, GenSet[-(1,2)]]	$\frac{f_{\alpha\beta}}{2} - \frac{f_{\beta\alpha}}{2} + \frac{1}{2}\ f_\beta{}^\chi\ n_\alpha\ n_\chi - \frac{1}{2}\ f^\chi{}_\beta\ n_\alpha\ n_\chi - \frac{1}{2}\ f_\alpha{}^\chi\ n_\beta\ n_\chi + \frac{1}{2}\ f^\chi{}_\alpha\ n_\beta\ n_\chi$	${}^{\#1}_{1^+}j_{\alpha\beta}$
${}^{\#1}_{1^-}f_\alpha$	StrongGenSet[{}, GenSet[]]	$f^\beta{}_\alpha\ n_\beta - f^{\beta\chi}\ n_\alpha\ n_\beta\ n_\chi$	${}^{\#1}_{1^-}j_\alpha$
${}^{\#2}_{1^-}f_\alpha$	StrongGenSet[{}, GenSet[]]	$f_\alpha{}^\beta\ n_\beta - f^{\beta\chi}\ n_\alpha\ n_\beta\ n_\chi$	${}^{\#2}_{1^-}j_\alpha$
${}^{\#1}_{2^+}f_{\alpha\beta}$	StrongGenSet[{1, 2}, GenSet[(1,2)]]	$\frac{f_{\alpha\beta}}{2} + \frac{f_{\beta\alpha}}{2} - \frac{1}{3}\ \eta_{\alpha\beta}\ f^\chi{}_\chi + \frac{1}{3}\ f^\chi{}_\chi\ n_\alpha\ n_\beta - \frac{1}{2}\ f_\beta{}^\chi\ n_\alpha\ n_\chi - \frac{1}{2}\ f^\chi{}_\beta\ n_\alpha\ n_\chi - \frac{1}{2}\ f_\alpha{}^\chi\ n_\beta\ n_\chi - \frac{1}{2}\ f^\chi{}_\alpha\ n_\beta\ n_\chi + \frac{1}{3}\ \eta_{\alpha\beta}\ f^{\chi\delta}\ n_\chi\ n_\delta + \frac{2}{3}\ f^{\chi\delta}\ n_\alpha\ n_\beta\ n_\chi\ n_\delta$	${}^{\#1}_{2^+}j_{\alpha\beta}$