Field kinematics

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

Fundamental fields

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

SO(3) irreps

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