Field kinematics

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

Fundamental fields

Fundamental field	Symmetries	Decomposition in SO(3) irreps	Source
$h_{\alpha\beta}$	StrongGenSet[{1, 2}, GenSet[(1,2)]]	$\frac{1}{3}\ \eta_{\alpha\beta}\ h_{0^+}^{\#1} + h_{2^+\ \alpha\beta}^{\#1} + h_{1^-\ \beta}^{\#1}\ n_{\alpha} + h_{1^-\ \alpha}^{\#1}\ n_{\beta} - \frac{1}{3}\ h_{0^+}^{\#1}\ n_{\alpha}\ n_{\beta} + h_{0^+}^{\#2}\ n_{\alpha}\ n_{\beta}$	$\mathcal{T}_{\alpha\beta}$

SO(3) irreps

SO(3) irrep	Symmetries	Expansion in fundamental field	Source
$h_{0^+}^{\#1}$	StrongGenSet[{}, GenSet[]]	$h^{\alpha}{}_{\alpha} - h_{\alpha\beta}\ n^{\alpha}\ n^{\beta}$	$\mathcal{T}_{0^+}^{\#1}$
$h_{0^+}^{\#2}$	StrongGenSet[{}, GenSet[]]	$h_{\alpha\beta}\ n^{\alpha}\ n^{\beta}$	$\mathcal{T}_{0^+}^{\#2}$
$h_{2^+\ \alpha\beta}^{\#1}$	StrongGenSet[{1, 2}, GenSet[(1,2)]]	$h_{\alpha\beta} - \frac{1}{3}\ \eta_{\alpha\beta}\ h^{\chi}{}_{\chi} + \frac{1}{3}\ h^{\chi}{}_{\chi}\ n_{\alpha}\ n_{\beta} - h_{\beta\chi}\ n_{\alpha}\ n^{\chi} - h_{\alpha\chi}\ n_{\beta}\ n^{\chi} + \frac{1}{3}\ \eta_{\alpha\beta}\ h_{\chi\delta}\ n^{\chi}\ n^{\delta} + \frac{2}{3}\ h_{\chi\delta}\ n_{\alpha}\ n_{\beta}\ n^{\chi}\ n^{\delta}$	$\mathcal{T}_{2^+\ \alpha\beta}^{\#1}$
$h_{1^-\ \alpha}^{\#1}$	StrongGenSet[{}, GenSet[]]	$h_{\alpha\beta}\ n^{\beta} - h_{\beta\chi}\ n_{\alpha}\ n^{\beta}\ n^{\chi}$	$\mathcal{T}_{1^-\ \alpha}^{\#1}$