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
$\overline{{\cal B}_{lphaeta}}$	StrongGenSet[{}, GenSet[]]	$\frac{1}{3} \eta_{\alpha\beta} \mathcal{B}_{0^{+}}^{\#1} + \mathcal{B}_{1^{+}\alpha\beta}^{\#1} + \mathcal{B}_{2^{+}\alpha\beta}^{\#1} + $	${\cal J}_{lphaeta}$
		$\mathcal{B}_{1^{-}\beta}^{\#1} \; n_{\alpha} + \mathcal{B}_{1^{-}\alpha}^{\#2} \; n_{\beta}^{} - \frac{1}{3} \; \mathcal{B}_{0^{+}}^{\#1} \; n_{\alpha} \; n_{\beta}^{} + \mathcal{B}_{0^{+}}^{\#2} \; n_{\alpha} \; n_{\beta}^{}$	

SO(3) irreps

SO(3) irrep	Symmetries	Expansion in fundamental field	Source
$\mathcal{B}_{0}^{\#1}$	StrongGenSet[{}, GenSet[]]	$\mathcal{B}^{\alpha}_{\alpha}$ - $\mathcal{B}^{\alpha\beta}$ n_{α} n_{β}	${\cal J}_0^{\#1}$
B ₀ ^{#2}	StrongGenSet[{}, GenSet[]]	$\mathcal{B}^{\alpha\beta}$ n_{α} n_{β}	${\cal J}_0^{\# 2}$
$\mathcal{B}_{1}^{\#1}{}_{lphaeta}$	StrongGenSet[{1, 2}, GenSet[-(1,2)]]	$\frac{\mathcal{B}_{\alpha\beta}}{2} - \frac{\mathcal{B}_{\beta\alpha}}{2} + \frac{1}{2} \mathcal{B}_{\beta}^{X} n_{\alpha} n_{\chi} - \frac{1}{2} \mathcal{B}_{\beta}^{X} n_{\alpha} n_{\chi} - \frac{1}{2} \mathcal{B}_{\alpha}^{X} n_{\beta} n_{\chi} + \frac{1}{2} \mathcal{B}_{\alpha}^{X} n_{\beta} n_{\chi}$	${\cal J}_{1^+lphaeta}^{\sharp 1}$
${\mathcal B}_1^{\#1}{}_{lpha}$	StrongGenSet[{}, GenSet[]]	$\mathcal{B}^{\beta}_{\alpha} n_{\beta} - \mathcal{B}^{\beta \chi} n_{\alpha} n_{\beta} n_{\chi}$	${\cal J}_{1^-}^{\sharp 1}{}_{lpha}$
$\mathcal{B}_{1}^{\#2}{}_{\alpha}$	StrongGenSet[{}, GenSet[]]	$\mathcal{B}_{\alpha}^{\beta} n_{\beta} - \mathcal{B}^{\beta \chi} n_{\alpha} n_{\beta} n_{\chi}$	${\mathcal J}_{1^-}^{{\scriptscriptstyle\#}2}{}_{lpha}$
$\mathcal{B}^{\#1}_{2^+ lpha eta}$	StrongGenSet[{1, 2}, GenSet[(1,2)]]	$\frac{\mathcal{B}_{\alpha\beta}}{2} + \frac{\mathcal{B}_{\beta\alpha}}{2} - \frac{1}{3} \eta_{\alpha\beta} \mathcal{B}^{\chi}_{\chi} + \frac{1}{3} \mathcal{B}^{\chi}_{\chi} \eta_{\alpha} \eta_{\beta} - \frac{1}{2} \mathcal{B}^{\chi}_{\beta} \eta_{\alpha} \eta_{\chi} - \frac{1}{2} \mathcal{B}^{\chi}_{\beta} \eta_{\alpha} \eta_{\alpha} + \frac{1}{2} \mathcal{B}^{\chi}_{\gamma} - \frac{1}{2} \mathcal{B}^{\chi}_{\gamma} \eta_{\alpha} + \frac{1}{2} \mathcal{B}^{\chi}_{\gamma} - \frac{1}{2} \mathcal{B}^{\chi}_{\gamma} + \frac{1}$	${\cal J}_{2^+lphaeta}^{\sharp 1}$
		$ \frac{1}{2} \mathcal{B}_{\alpha}^{\chi} n_{\beta} n_{\chi} - \frac{1}{2} \mathcal{B}_{\alpha}^{\chi} n_{\beta} n_{\chi} + \frac{1}{3} \eta_{\alpha\beta} \mathcal{B}^{\chi\delta} n_{\chi} n_{\delta} + \frac{2}{3} \mathcal{B}^{\chi\delta} n_{\alpha} n_{\beta} n_{\chi} n_{\delta} $	