

# Field kinematics

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

## Fundamental fields

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

## SO(3) irreps

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