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

Momentum

Fields

Field kinematics

Fundamental fields

Norm Frame

Symmetries

SO(3)

 \mathcal{B}_{α} StrongGenSet[{},GenSet[]] $\begin{pmatrix} *1 \\ 1 & \mathcal{B}_{\alpha} \end{pmatrix} + 0 + \mathcal{B} n_{\alpha}$

Sources

Sources $0^{+1}\mathcal{J}$

 $\overset{\sharp_1}{1}\mathcal{J}_{\alpha}$

Expansion

 $\begin{bmatrix} *^1 \\ 0^+ \mathcal{B} \end{bmatrix}$ StrongGenSet[{}},GenSet[]] $\mathcal{B}^{\alpha} n_{\alpha}$

 $\begin{array}{c|c} \sharp^1 \\ 1 & \mathcal{B}_{\alpha} \end{array} | \text{StrongGenSet}[\{\}, \text{GenSet}[]] | \mathcal{B}_{\alpha} - \mathcal{B}^{\beta} n_{\alpha} n_{\beta}$

SO(3) irreps

SO(3) Symmetries