

# 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               |
|----------------------|------------------------------|-----------------------------------------------------------------------|----------------------|
| $\mathcal{B}_\alpha$ | StrongGenSet[ {}, GenSet[] ] | $\mathcal{B}_{1^-}^{\#1}{}_\alpha + \mathcal{B}_{0^+}^{\#1} n_\alpha$ | $\mathcal{T}_\alpha$ |

## SO(3) irreps

| SO(3) irrep                        | Symmetries                   | Expansion in fundamental field                            | Source                             |
|------------------------------------|------------------------------|-----------------------------------------------------------|------------------------------------|
| $\mathcal{B}_{0^+}^{\#1}$          | StrongGenSet[ {}, GenSet[] ] | $\mathcal{B}^\alpha n_\alpha$                             | $\mathcal{T}_{0^+}^{\#1}$          |
| $\mathcal{B}_{1^-}^{\#1}{}_\alpha$ | StrongGenSet[ {}, GenSet[] ] | $\mathcal{B}_\alpha - \mathcal{B}^\beta n_\alpha n_\beta$ | $\mathcal{T}_{1^-}^{\#1}{}_\alpha$ |