

| Basic conventions       |                                    |               |                      |                            |
|-------------------------|------------------------------------|---------------|----------------------|----------------------------|
| Minkowski metric tensor | Totally antisymmetric tensor       | Four-momentum | Four-momentum norm   | Massive rest-frame         |
| $\eta_{\mu\nu}$         | $\epsilon \eta_{\mu\nu\rho\sigma}$ | $k^\mu$       | $k^2 == k_\mu k^\mu$ | $n^\mu == \frac{k^\mu}{k}$ |

| Fundamental field | Symmetries   | Decomposition in SO(3) irreps | Source |
|-------------------|--|-------------------------------|--------|
| $\phi$            | Symmetry[0, $\phi$ , {}, StrongGenSet[{}], GenSet[]] | $\phi^{#1}_{0+}$              | $\rho$ |

| SO(3) irrep      | Symmetries   | Expansion in terms of the fundamental field | Source           |
|------------------|--|---|------------------|
| $\phi^{#1}_{0+}$ | Symmetry[0, $\phi^{#1}_{0+}$ , {}, StrongGenSet[{}], GenSet[]] | $\phi$                                      | $\rho^{#1}_{0+}$ |