Field kinematics

Basic conventions

Minkowski metric tensor	Totally antisymmetric tensor	Momentum	Norm	Frame
$\eta_{\mu\nu}$	$\epsilon\,\eta_{\mu\nu\rho\sigma}$	k^{μ}	$k^2 == k_{\mu}\,k^{\mu}$	$n^{\mu} == \dfrac{k^{\mu}}{k}$

Fundamental fields

Fundamental field	Symmetries	Decomposition in SO(3) irreps	Source
ϕ	Symmetry[0, ϕ, {}, StrongGenSet[{}, GenSet[]]]	$\phi_{0^+}^{\#1}$	ρ

SO(3) irreps

SO(3) irrep	Symmetries	Expansion in terms of the fundamental field	Source
$\phi_{0^+}^{\#1}$	Symmetry[0, $\phi_{0^+}^{\#1}$, {}, StrongGenSet[{}, GenSet[]]]	ϕ	$\rho_{0^+}^{\#1}$