Fundamental field	Symmetries	Decomposition into SO(3) irrep(s)	Source
$\Gamma_{\alpha\beta\chi}$	Symmetry[3, $\Gamma^{\bullet1\bullet2\bullet3}$, {●1 → -a, ●2 → -b, ●3 → -c}, StrongGenSet[{}, GenSet[]]]	$-\frac{1}{2}\eta_{\alpha\chi}\Gamma^{\#1}_{1^{-}\beta}+\frac{1}{2}\eta_{\alpha\beta}\Gamma^{\#1}_{1^{-}\chi}+\frac{4}{3}\Gamma^{\#1}_{2^{-}\beta\chi\alpha}+\frac{1}{2}\Gamma^{\#2}_{2^{-}\alpha\beta\chi}+\frac{1}{2}\Gamma^{\#2}_{2^{-}\alpha\chi\beta}+\Gamma^{\#1}_{3^{-}\alpha\beta\chi}+\frac{1}{3}\eta_{\beta\chi}\Gamma^{\#6}_{1^{-}\alpha}-\frac{1}{6}\eta_{\alpha\chi}\Gamma^{\#6}_{1^{-}\beta}-\frac{1}{6}\eta_{\alpha\beta}\Gamma^{\#6}_{1^{-}\chi}+\frac{1}{15}\eta_{\beta\chi}\Gamma^{\#4}_{1^{-}\alpha}+\frac{1}{15}\eta_{\alpha\chi}\Gamma^{\#4}_{1^{-}\beta}+\frac{1}{15}\eta_{\alpha\beta}\Gamma^{\#4}_{1^{-}\chi}+\Gamma^{\#2}_{1^{+}\beta\chi}n_{\alpha}+\frac{1}{9}\eta_{\beta\chi}\Gamma^{\#3}_{0^{+}}n_{\alpha}+\frac{1}{3}\Gamma^{\#2}_{2^{+}\beta\chi}n_{\alpha}+\frac{2}{3}\Gamma^{\#3}_{2^{+}\beta\chi}n_{\alpha}+\frac{2}{9}\eta_{\beta\chi}\Gamma^{\#4}_{0^{+}}n_{\alpha}+\frac{1}{3}\eta_{\alpha\chi}\Gamma^{\#1}_{0^{+}}n_{\beta}-\Gamma^{\#1}_{1^{+}\alpha\chi}n_{\beta}+\Gamma^{\#1}_{2^{+}\alpha\chi}n_{\beta}+\frac{1}{9}\eta_{\alpha\chi}\Gamma^{\#3}_{0^{+}}n_{\beta}-\frac{1}{2}\Gamma^{\#3}_{1^{+}\alpha\chi}n_{\beta}+\frac{1}{3}\Gamma^{\#2}_{2^{+}\alpha\chi}n_{\beta}-\frac{1}{3}\Gamma^{\#3}_{2^{+}\alpha\chi}n_{\beta}-\frac{1}{9}\eta_{\alpha\chi}\Gamma^{\#4}_{0^{+}}n_{\beta}-\frac{1}{2}\Gamma^{\#1}_{1^{-}\chi}n_{\alpha}n_{\beta}-\Gamma^{\#2}_{1^{-}\chi}n_{\alpha}n_{\beta}+\frac{1}{6}\Gamma^{\#6}_{1^{-}\chi}n_{\alpha}n_{\beta}-\frac{1}{15}\Gamma^{\#4}_{1^{-}\chi}n_{\alpha}n_{\beta}-\frac{1}{3}\Gamma^{\#5}_{1^{-}\chi}n_{\alpha}n_{\beta}+\frac{1}{3}\Gamma^{\#3}_{1^{-}\chi}n_{\alpha}n_{\beta}-\frac{1}{3}\eta_{\alpha\beta}\Gamma^{\#1}_{0^{+}}n_{\chi}+\Gamma^{\#1}_{1^{+}\alpha\beta}n_{\chi}-\Gamma^{\#1}_{2^{+}\alpha\beta}n_{\chi}+\frac{1}{9}\eta_{\alpha\beta}\Gamma^{\#3}_{0^{+}}n_{\chi}-\frac{1}{2}\Gamma^{\#3}_{1^{+}\alpha\beta}n_{\chi}+\frac{1}{3}\Gamma^{\#2}_{2^{+}\alpha\beta}n_{\chi}-\frac{1}{3}\Gamma^{\#3}_{2^{+}\alpha\beta}n_{\chi}-\frac{1}{9}\eta_{\alpha\beta}\Gamma^{\#4}_{0^{+}}n_{\chi}+\frac{1}{2}\Gamma^{\#1}_{1^{-}\beta}n_{\alpha}n_{\chi}+\Gamma^{\#2}_{1^{-}\beta}n_{\alpha}n_{\chi}+\frac{1}{6}\Gamma^{\#6}_{1^{-}\beta}n_{\alpha}n_{\chi}-\frac{1}{15}\Gamma^{\#4}_{1^{-}\beta}n_{\alpha}n_{\chi}-\frac{1}{3}\Gamma^{\#5}_{1^{-}\beta}n_{\alpha}n_{\chi}+\frac{1}{3}\Gamma^{\#3}_{1^{-}\beta}n_{\alpha}n_{\chi}-\frac{1}{3}\Gamma^{\#6}_{1^{-}\alpha}n_{\beta}n_{\chi}-\frac{1}{15}\Gamma^{\#4}_{1^{-}\alpha}n_{\beta}n_{\chi}+\frac{2}{3}\Gamma^{\#5}_{1^{-}\alpha}n_{\beta}n_{\chi}+\frac{1}{3}\Gamma^{\#3}_{1^{-}\alpha}n_{\beta}n_{\chi}-\frac{1}{3}\Gamma^{\#3}_{0^{+}}n_{\alpha}n_{\beta}n_{\chi}+\Gamma^{\#2}_{0^{+}}n_{\alpha}n_{\beta}n_{\chi}-\frac{1}{6}\epsilon\eta_{\alpha\beta\chi\delta}\Gamma^{\#1}_{0^{-}}n^{\delta}$	$\Delta_{\alpha\beta\chi}$
SO(3) irrep	**Symmetries**	**Expansion in terms of the fundamental field**	**Source SO(3) irrep**
$\Gamma^{\#1}_{0^{+}}$	Symmetry[0, $\Gamma^{\#1}_{0^{+}}$, {}, StrongGenSet[{}, GenSet[]]]	$-\frac{1}{2}\Gamma^{\alpha}{}_{\alpha}{}^{\beta}n_{\beta}+\frac{1}{2}\Gamma^{\alpha\beta}{}_{\alpha}n_{\beta}$	$\Delta^{\#1}_{0^{+}}$
$\Gamma^{\#2}_{0^{+}}$	Symmetry[0, $\Gamma^{\#2}_{0^{+}}$, {}, StrongGenSet[{}, GenSet[]]]	$\Gamma^{\alpha\beta\chi}n_{\alpha}n_{\beta}n_{\chi}$	$\Delta^{\#2}_{0^{+}}$
$\Gamma^{\#3}_{0^{+}}$	Symmetry[0, $\Gamma^{\#3}_{0^{+}}$, {}, StrongGenSet[{}, GenSet[]]]	$\Gamma^{\alpha\beta}{}_{\beta}n_{\alpha}+\Gamma^{\alpha}{}_{\alpha}{}^{\beta}n_{\beta}+\Gamma^{\alpha\beta}{}_{\alpha}n_{\beta}-3\Gamma^{\alpha\beta\chi}n_{\alpha}n_{\beta}n_{\chi}$	$\Delta^{\#3}_{0^{+}}$
$\Gamma^{\#4}_{0^{+}}$	Symmetry[0, $\Gamma^{\#4}_{0^{+}}$, {}, StrongGenSet[{}, GenSet[]]]	$\Gamma^{\alpha\beta}{}_{\beta}n_{\alpha}-\frac{1}{2}\Gamma^{\alpha}{}_{\alpha}{}^{\beta}n_{\beta}-\frac{1}{2}\Gamma^{\alpha\beta}{}_{\alpha}n_{\beta}$	$\Delta^{\#4}_{0^{+}}$
$\Gamma^{\#1}_{0^{-}}$	Symmetry[0, $\Gamma^{\#1}_{0^{-}}$, {}, StrongGenSet[{}, GenSet[]]]	$\epsilon\eta_{\alpha\beta\chi\delta}\Gamma^{\alpha\beta\chi}n^{\delta}$	$\Delta^{\#1}_{0^{-}}$
$\Gamma^{\#1}_{1^{+}\alpha\beta}$	Symmetry[2, $\Gamma^{\#1\bullet1\bullet2}_{1^{+}}$, {●1 → -a, ●2 → -b}, StrongGenSet[{1, 2}, GenSet[-(1,2)]]]	$\frac{1}{4}\Gamma_{\alpha\beta}{}^{\chi}n_{\chi}-\frac{1}{4}\Gamma_{\alpha}{}^{\chi}{}_{\beta}n_{\chi}-\frac{1}{4}\Gamma_{\beta\alpha}{}^{\chi}n_{\chi}+\frac{1}{4}\Gamma_{\beta}{}^{\chi}{}_{\alpha}n_{\chi}-\frac{1}{4}\Gamma^{\chi}{}_{\beta}{}^{\delta}n_{\alpha}n_{\chi}n_{\delta}+\frac{1}{4}\Gamma^{\chi\delta}{}_{\beta}n_{\alpha}n_{\chi}n_{\delta}+\frac{1}{4}\Gamma^{\chi}{}_{\alpha}{}^{\delta}n_{\beta}n_{\chi}n_{\delta}-\frac{1}{4}\Gamma^{\chi\delta}{}_{\alpha}n_{\beta}n_{\chi}n_{\delta}$	$\Delta^{\#1}_{1^{+}\alpha\beta}$
$\Gamma^{\#2}_{1^{+}\alpha\beta}$	Symmetry[2, $\Gamma^{\#2\bullet1\bullet2}_{1^{+}}$, {●1 → -a, ●2 → -b}, StrongGenSet[{1, 2}, GenSet[-(1,2)]]]	$\frac{1}{2}\Gamma^{\chi}{}_{\alpha\beta}n_{\chi}-\frac{1}{2}\Gamma^{\chi}{}_{\beta\alpha}n_{\chi}+\frac{1}{2}\Gamma^{\chi}{}_{\beta}{}^{\delta}n_{\alpha}n_{\chi}n_{\delta}-\frac{1}{2}\Gamma^{\chi\delta}{}_{\beta}n_{\alpha}n_{\chi}n_{\delta}-\frac{1}{2}\Gamma^{\chi}{}_{\alpha}{}^{\delta}n_{\beta}n_{\chi}n_{\delta}+\frac{1}{2}\Gamma^{\chi\delta}{}_{\alpha}n_{\beta}n_{\chi}n_{\delta}$	$\Delta^{\#2}_{1^{+}\alpha\beta}$
$\Gamma^{\#3}_{1^{+}\alpha\beta}$	Symmetry[2, $\Gamma^{\#3\bullet1\bullet2}_{1^{+}}$, {●1 → -a, ●2 → -b}, StrongGenSet[{1, 2}, GenSet[-(1,2)]]]	$-\frac{1}{2}\Gamma_{\alpha\beta}{}^{\chi}n_{\chi}-\frac{1}{2}\Gamma_{\alpha}{}^{\chi}{}_{\beta}n_{\chi}+\frac{1}{2}\Gamma_{\beta\alpha}{}^{\chi}n_{\chi}+\frac{1}{2}\Gamma_{\beta}{}^{\chi}{}_{\alpha}n_{\chi}-\Gamma_{\beta}{}^{\chi\delta}n_{\alpha}n_{\chi}n_{\delta}+\frac{1}{2}\Gamma^{\chi}{}_{\beta}{}^{\delta}n_{\alpha}n_{\chi}n_{\delta}+\frac{1}{2}\Gamma^{\chi\delta}{}_{\beta}n_{\alpha}n_{\chi}n_{\delta}+\Gamma_{\alpha}{}^{\chi\delta}n_{\beta}n_{\chi}n_{\delta}-\frac{1}{2}\Gamma^{\chi}{}_{\alpha}{}^{\delta}n_{\beta}n_{\chi}n_{\delta}-\frac{1}{2}\Gamma^{\chi\delta}{}_{\alpha}n_{\beta}n_{\chi}n_{\delta}$	$\Delta^{\#3}_{1^{+}\alpha\beta}$
$\Gamma^{\#1}_{1^{-}\alpha}$	Symmetry[1, $\Gamma^{\#1\bullet1}_{1^{-}}$, {●1 → -a}, StrongGenSet[{}, GenSet[]]]	$-\frac{1}{2}\Gamma^{\beta}{}_{\alpha\beta}+\frac{1}{2}\Gamma^{\beta}{}_{\beta\alpha}-\frac{1}{2}\Gamma^{\beta}{}_{\beta}{}^{\chi}n_{\alpha}n_{\chi}+\frac{1}{2}\Gamma^{\beta\chi}{}_{\beta}n_{\alpha}n_{\chi}+\frac{1}{2}\Gamma^{\beta}{}_{\alpha}{}^{\chi}n_{\beta}n_{\chi}-\frac{1}{2}\Gamma^{\beta\chi}{}_{\alpha}n_{\beta}n_{\chi}$	$\Delta^{\#1}_{1^{-}\alpha}$
$\Gamma^{\#2}_{1^{-}\alpha}$	Symmetry[1, $\Gamma^{\#2\bullet1}_{1^{-}}$, {●1 → -a}, StrongGenSet[{}, GenSet[]]]	$\frac{1}{2}\Gamma^{\beta}{}_{\alpha}{}^{\chi}n_{\beta}n_{\chi}-\frac{1}{2}\Gamma^{\beta\chi}{}_{\alpha}n_{\beta}n_{\chi}$	$\Delta^{\#2}_{1^{-}\alpha}$
$\Gamma^{\#3}_{1^{-}\alpha}$	Symmetry[1, $\Gamma^{\#3\bullet1}_{1^{-}}$, {●1 → -a}, StrongGenSet[{}, GenSet[]]]	$\Gamma_{\alpha}{}^{\beta\chi}n_{\beta}n_{\chi}+\Gamma^{\beta}{}_{\alpha}{}^{\chi}n_{\beta}n_{\chi}+\Gamma^{\beta\chi}{}_{\alpha}n_{\beta}n_{\chi}-3\Gamma^{\beta\chi\delta}n_{\alpha}n_{\beta}n_{\chi}n_{\delta}$	$\Delta^{\#3}_{1^{-}\alpha}$
$\Gamma^{\#4}_{1^{-}\alpha}$	Symmetry[1, $\Gamma^{\#4\bullet1}_{1^{-}}$, {●1 → -a}, StrongGenSet[{}, GenSet[]]]	$\Gamma_{\alpha}{}^{\beta}{}_{\beta}+\Gamma^{\beta}{}_{\alpha\beta}+\Gamma^{\beta}{}_{\beta\alpha}-\Gamma^{\beta\chi}{}_{\chi}n_{\alpha}n_{\beta}-\Gamma^{\beta}{}_{\beta}{}^{\chi}n_{\alpha}n_{\chi}-\Gamma^{\beta\chi}{}_{\beta}n_{\alpha}n_{\chi}-\Gamma_{\alpha}{}^{\beta\chi}n_{\beta}n_{\chi}-\Gamma^{\beta}{}_{\alpha}{}^{\chi}n_{\beta}n_{\chi}-\Gamma^{\beta\chi}{}_{\alpha}n_{\beta}n_{\chi}+3\Gamma^{\beta\chi\delta}n_{\alpha}n_{\beta}n_{\chi}n_{\delta}$	$\Delta^{\#4}_{1^{-}\alpha}$
$\Gamma^{\#5}_{1^{-}\alpha}$	Symmetry[1, $\Gamma^{\#5\bullet1}_{1^{-}}$, {●1 → -a}, StrongGenSet[{}, GenSet[]]]	$\Gamma_{\alpha}{}^{\beta\chi}n_{\beta}n_{\chi}-\frac{1}{2}\Gamma^{\beta}{}_{\alpha}{}^{\chi}n_{\beta}n_{\chi}-\frac{1}{2}\Gamma^{\beta\chi}{}_{\alpha}n_{\beta}n_{\chi}$	$\Delta^{\#5}_{1^{-}\alpha}$
$\Gamma^{\#6}_{1^{-}\alpha}$	Symmetry[1, $\Gamma^{\#6\bullet1}_{1^{-}}$, {●1 → -a}, StrongGenSet[{}, GenSet[]]]	$\Gamma_{\alpha}{}^{\beta}{}_{\beta}-\frac{1}{2}\Gamma^{\beta}{}_{\alpha\beta}-\frac{1}{2}\Gamma^{\beta}{}_{\beta\alpha}-\Gamma^{\beta\chi}{}_{\chi}n_{\alpha}n_{\beta}+\frac{1}{2}\Gamma^{\beta}{}_{\beta}{}^{\chi}n_{\alpha}n_{\chi}+\frac{1}{2}\Gamma^{\beta\chi}{}_{\beta}n_{\alpha}n_{\chi}-\Gamma_{\alpha}{}^{\beta\chi}n_{\beta}n_{\chi}+\frac{1}{2}\Gamma^{\beta}{}_{\alpha}{}^{\chi}n_{\beta}n_{\chi}+\frac{1}{2}\Gamma^{\beta\chi}{}_{\alpha}n_{\beta}n_{\chi}$	$\Delta^{\#6}_{1^{-}\alpha}$
$\Gamma^{\#1}_{2^{+}\alpha\beta}$	Symmetry[2, $\Gamma^{\#1\bullet1\bullet2}_{2^{+}}$, {●1 → -a, ●2 → -b}, StrongGenSet[{1, 2}, GenSet[(1,2)]]]	$-\frac{1}{4}\Gamma_{\alpha\beta}{}^{\chi}n_{\chi}+\frac{1}{4}\Gamma_{\alpha}{}^{\chi}{}_{\beta}n_{\chi}-\frac{1}{4}\Gamma_{\beta\alpha}{}^{\chi}n_{\chi}+\frac{1}{4}\Gamma_{\beta}{}^{\chi}{}_{\alpha}n_{\chi}+\frac{1}{6}\eta_{\alpha\beta}\Gamma^{\chi}{}_{\chi}{}^{\delta}n_{\delta}-\frac{1}{6}\eta_{\alpha\beta}\Gamma^{\chi\delta}{}_{\chi}n_{\delta}-\frac{1}{6}\Gamma^{\chi}{}_{\chi}{}^{\delta}n_{\alpha}n_{\beta}n_{\delta}+\frac{1}{6}\Gamma^{\chi\delta}{}_{\chi}n_{\alpha}n_{\beta}n_{\delta}+\frac{1}{4}\Gamma^{\chi}{}_{\beta}{}^{\delta}n_{\alpha}n_{\chi}n_{\delta}-\frac{1}{4}\Gamma^{\chi\delta}{}_{\beta}n_{\alpha}n_{\chi}n_{\delta}+\frac{1}{4}\Gamma^{\chi}{}_{\alpha}{}^{\delta}n_{\beta}n_{\chi}n_{\delta}-\frac{1}{4}\Gamma^{\chi\delta}{}_{\alpha}n_{\beta}n_{\chi}n_{\delta}$	$\Delta^{\#1}_{2^{+}\alpha\beta}$
$\Gamma^{\#2}_{2^{+}\alpha\beta}$	Symmetry[2, $\Gamma^{\#2\bullet1\bullet2}_{2^{+}}$, {●1 → -a, ●2 → -b}, StrongGenSet[{1, 2}, GenSet[(1,2)]]]	$\frac{1}{2}\Gamma_{\alpha\beta}{}^{\chi}n_{\chi}+\frac{1}{2}\Gamma_{\alpha}{}^{\chi}{}_{\beta}n_{\chi}+\frac{1}{2}\Gamma_{\beta\alpha}{}^{\chi}n_{\chi}+\frac{1}{2}\Gamma_{\beta}{}^{\chi}{}_{\alpha}n_{\chi}+\frac{1}{2}\Gamma^{\chi}{}_{\alpha\beta}n_{\chi}+\frac{1}{2}\Gamma^{\chi}{}_{\beta\alpha}n_{\chi}-\frac{1}{3}\eta_{\alpha\beta}\Gamma^{\chi\delta}{}_{\delta}n_{\chi}+\frac{1}{3}\Gamma^{\chi\delta}{}_{\delta}n_{\alpha}n_{\beta}n_{\chi}-\frac{1}{3}\eta_{\alpha\beta}\Gamma^{\chi}{}_{\chi}{}^{\delta}n_{\delta}-\frac{1}{3}\eta_{\alpha\beta}\Gamma^{\chi\delta}{}_{\chi}n_{\delta}+\frac{1}{3}\Gamma^{\chi}{}_{\chi}{}^{\delta}n_{\alpha}n_{\beta}n_{\delta}+\frac{1}{3}\Gamma^{\chi\delta}{}_{\chi}n_{\alpha}n_{\beta}n_{\delta}-\Gamma_{\beta}{}^{\chi\delta}n_{\alpha}n_{\chi}n_{\delta}-\Gamma^{\chi}{}_{\beta}{}^{\delta}n_{\alpha}n_{\chi}n_{\delta}-\Gamma^{\chi\delta}{}_{\beta}n_{\alpha}n_{\chi}n_{\delta}-\Gamma_{\alpha}{}^{\chi\delta}n_{\beta}n_{\chi}n_{\delta}-\Gamma^{\chi}{}_{\alpha}{}^{\delta}n_{\beta}n_{\chi}n_{\delta}-\Gamma^{\chi\delta}{}_{\alpha}n_{\beta}n_{\chi}n_{\delta}+\eta_{\alpha\beta}\Gamma^{\chi\delta\epsilon}n_{\chi}n_{\delta}n_{\epsilon}+2\Gamma^{\chi\delta\epsilon}n_{\alpha}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}$	$\Delta^{\#2}_{2^{+}\alpha\beta}$
$\Gamma^{\#3}_{2^{+}\alpha\beta}$	Symmetry[2, $\Gamma^{\#3\bullet1\bullet2}_{2^{+}}$, {●1 → -a, ●2 → -b}, StrongGenSet[{1, 2}, GenSet[(1,2)]]]	$-\frac{1}{4}\Gamma_{\alpha\beta}{}^{\chi}n_{\chi}-\frac{1}{4}\Gamma_{\alpha}{}^{\chi}{}_{\beta}n_{\chi}-\frac{1}{4}\Gamma_{\beta\alpha}{}^{\chi}n_{\chi}-\frac{1}{4}\Gamma_{\beta}{}^{\chi}{}_{\alpha}n_{\chi}+\frac{1}{2}\Gamma^{\chi}{}_{\alpha\beta}n_{\chi}+\frac{1}{2}\Gamma^{\chi}{}_{\beta\alpha}n_{\chi}-\frac{1}{3}\eta_{\alpha\beta}\Gamma^{\chi\delta}{}_{\delta}n_{\chi}+\frac{1}{3}\Gamma^{\chi\delta}{}_{\delta}n_{\alpha}n_{\beta}n_{\chi}+\frac{1}{6}\eta_{\alpha\beta}\Gamma^{\chi}{}_{\chi}{}^{\delta}n_{\delta}+\frac{1}{6}\eta_{\alpha\beta}\Gamma^{\chi\delta}{}_{\chi}n_{\delta}-\frac{1}{6}\Gamma^{\chi}{}_{\chi}{}^{\delta}n_{\alpha}n_{\beta}n_{\delta}-\frac{1}{6}\Gamma^{\chi\delta}{}_{\chi}n_{\alpha}n_{\beta}n_{\delta}+\frac{1}{2}\Gamma_{\beta}{}^{\chi\delta}n_{\alpha}n_{\chi}n_{\delta}-\frac{1}{4}\Gamma^{\chi}{}_{\beta}{}^{\delta}n_{\alpha}n_{\chi}n_{\delta}-\frac{1}{4}\Gamma^{\chi\delta}{}_{\beta}n_{\alpha}n_{\chi}n_{\delta}+\frac{1}{2}\Gamma_{\alpha}{}^{\chi\delta}n_{\beta}n_{\chi}n_{\delta}-\frac{1}{4}\Gamma^{\chi}{}_{\alpha}{}^{\delta}n_{\beta}n_{\chi}n_{\delta}-\frac{1}{4}\Gamma^{\chi\delta}{}_{\alpha}n_{\beta}n_{\chi}n_{\delta}$	$\Delta^{\#3}_{2^{+}\alpha\beta}$
$\Gamma^{\#1}_{2^{-}\alpha\beta\chi}$	Symmetry[3, $\Gamma^{\#1\bullet1\bullet2\bullet3}_{2^{-}}$, {●1 → -a, ●2 → -b, ●3 → -c}, StrongGenSet[{1, 2}, GenSet[-(1,2)]]]	$-\frac{1}{8}\Gamma_{\alpha\beta\chi}+\frac{1}{8}\Gamma_{\alpha\chi\beta}+\frac{1}{8}\Gamma_{\beta\alpha\chi}-\frac{1}{8}\Gamma_{\beta\chi\alpha}+\frac{1}{4}\Gamma_{\chi\alpha\beta}-\frac{1}{4}\Gamma_{\chi\beta\alpha}-\frac{3}{16}\eta_{\beta\chi}\Gamma^{\delta}{}_{\alpha\delta}+\frac{3}{16}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\beta\delta}+\frac{3}{16}\eta_{\beta\chi}\Gamma^{\delta}{}_{\delta\alpha}-\frac{3}{16}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\delta\beta}-\frac{3}{16}\Gamma^{\delta}{}_{\beta\delta}n_{\alpha}n_{\chi}+\frac{3}{16}\Gamma^{\delta}{}_{\delta\beta}n_{\alpha}n_{\chi}+\frac{3}{16}\Gamma^{\delta}{}_{\alpha\delta}n_{\beta}n_{\chi}-\frac{3}{16}\Gamma^{\delta}{}_{\delta\alpha}n_{\beta}n_{\chi}+\frac{1}{8}\Gamma_{\beta\chi}{}^{\delta}n_{\alpha}n_{\delta}-\frac{1}{8}\Gamma_{\beta}{}^{\delta}{}_{\chi}n_{\alpha}n_{\delta}+\frac{1}{4}\Gamma_{\chi\beta}{}^{\delta}n_{\alpha}n_{\delta}-\frac{1}{4}\Gamma_{\chi}{}^{\delta}{}_{\beta}n_{\alpha}n_{\delta}+\frac{1}{8}\Gamma^{\delta}{}_{\beta\chi}n_{\alpha}n_{\delta}-\frac{1}{8}\Gamma^{\delta}{}_{\chi\beta}n_{\alpha}n_{\delta}-\frac{1}{8}\Gamma_{\alpha\chi}{}^{\delta}n_{\beta}n_{\delta}+\frac{1}{8}\Gamma_{\alpha}{}^{\delta}{}_{\chi}n_{\beta}n_{\delta}-\frac{1}{4}\Gamma_{\chi\alpha}{}^{\delta}n_{\beta}n_{\delta}+\frac{1}{4}\Gamma_{\chi}{}^{\delta}{}_{\alpha}n_{\beta}n_{\delta}-\frac{1}{8}\Gamma^{\delta}{}_{\alpha\chi}n_{\beta}n_{\delta}+\frac{1}{8}\Gamma^{\delta}{}_{\chi\alpha}n_{\beta}n_{\delta}+\frac{1}{8}\Gamma_{\alpha\beta}{}^{\delta}n_{\chi}n_{\delta}-\frac{1}{8}\Gamma_{\alpha}{}^{\delta}{}_{\beta}n_{\chi}n_{\delta}-\frac{1}{8}\Gamma_{\beta\alpha}{}^{\delta}n_{\chi}n_{\delta}+\frac{1}{8}\Gamma_{\beta}{}^{\delta}{}_{\alpha}n_{\chi}n_{\delta}-\frac{1}{4}\Gamma^{\delta}{}_{\alpha\beta}n_{\chi}n_{\delta}+\frac{1}{4}\Gamma^{\delta}{}_{\beta\alpha}n_{\chi}n_{\delta}-\frac{3}{16}\eta_{\beta\chi}\Gamma^{\delta}{}_{\delta}{}^{\epsilon}n_{\alpha}n_{\epsilon}+\frac{3}{16}\eta_{\beta\chi}\Gamma^{\delta\epsilon}{}_{\delta}n_{\alpha}n_{\epsilon}+\frac{3}{16}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\delta}{}^{\epsilon}n_{\beta}n_{\epsilon}-\frac{3}{16}\eta_{\alpha\chi}\Gamma^{\delta\epsilon}{}_{\delta}n_{\beta}n_{\epsilon}+\frac{3}{16}\eta_{\beta\chi}\Gamma^{\delta}{}_{\alpha}{}^{\epsilon}n_{\delta}n_{\epsilon}-\frac{3}{16}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\beta}{}^{\epsilon}n_{\delta}n_{\epsilon}-\frac{3}{16}\eta_{\beta\chi}\Gamma^{\delta\epsilon}{}_{\alpha}n_{\delta}n_{\epsilon}+\frac{3}{16}\eta_{\alpha\chi}\Gamma^{\delta\epsilon}{}_{\beta}n_{\delta}n_{\epsilon}-\frac{3}{16}\Gamma^{\delta}{}_{\beta}{}^{\epsilon}n_{\alpha}n_{\chi}n_{\delta}n_{\epsilon}+\frac{3}{16}\Gamma^{\delta\epsilon}{}_{\beta}n_{\alpha}n_{\chi}n_{\delta}n_{\epsilon}+\frac{3}{16}\Gamma^{\delta}{}_{\alpha}{}^{\epsilon}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}-\frac{3}{16}\Gamma^{\delta\epsilon}{}_{\alpha}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}$	$\Delta^{\#1}_{2^{-}\alpha\beta\chi}$
$\Gamma^{\#2}_{2^{-}\alpha\beta\chi}$	Symmetry[3, $\Gamma^{\#2\bullet1\bullet2\bullet3}_{2^{-}}$, {●1 → -a, ●2 → -b, ●3 → -c}, StrongGenSet[{1, 2}, GenSet[-(1,2)]]]	$\frac{1}{3}\Gamma_{\alpha\beta\chi}+\frac{1}{3}\Gamma_{\alpha\chi\beta}-\frac{1}{3}\eta_{\beta\chi}\Gamma_{\alpha}{}^{\delta}{}_{\delta}-\frac{1}{3}\Gamma_{\beta\alpha\chi}-\frac{1}{3}\Gamma_{\beta\chi\alpha}+\frac{1}{3}\eta_{\alpha\chi}\Gamma_{\beta}{}^{\delta}{}_{\delta}+\frac{1}{6}\eta_{\beta\chi}\Gamma^{\delta}{}_{\alpha\delta}-\frac{1}{6}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\beta\delta}+\frac{1}{6}\eta_{\beta\chi}\Gamma^{\delta}{}_{\delta\alpha}-\frac{1}{6}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\delta\beta}-\frac{1}{3}\Gamma_{\beta}{}^{\delta}{}_{\delta}n_{\alpha}n_{\chi}+\frac{1}{6}\Gamma^{\delta}{}_{\beta\delta}n_{\alpha}n_{\chi}+\frac{1}{6}\Gamma^{\delta}{}_{\delta\beta}n_{\alpha}n_{\chi}+\frac{1}{3}\Gamma_{\alpha}{}^{\delta}{}_{\delta}n_{\beta}n_{\chi}-\frac{1}{6}\Gamma^{\delta}{}_{\alpha\delta}n_{\beta}n_{\chi}-\frac{1}{6}\Gamma^{\delta}{}_{\delta\alpha}n_{\beta}n_{\chi}+\frac{1}{3}\Gamma_{\beta\chi}{}^{\delta}n_{\alpha}n_{\delta}+\frac{1}{3}\Gamma_{\beta}{}^{\delta}{}_{\chi}n_{\alpha}n_{\delta}-\frac{1}{3}\Gamma^{\delta}{}_{\beta\chi}n_{\alpha}n_{\delta}-\frac{1}{3}\Gamma^{\delta}{}_{\chi\beta}n_{\alpha}n_{\delta}+\frac{1}{3}\eta_{\beta\chi}\Gamma^{\delta\epsilon}{}_{\epsilon}n_{\alpha}n_{\delta}-\frac{1}{3}\Gamma_{\alpha\chi}{}^{\delta}n_{\beta}n_{\delta}-\frac{1}{3}\Gamma_{\alpha}{}^{\delta}{}_{\chi}n_{\beta}n_{\delta}+\frac{1}{3}\Gamma^{\delta}{}_{\alpha\chi}n_{\beta}n_{\delta}+\frac{1}{3}\Gamma^{\delta}{}_{\chi\alpha}n_{\beta}n_{\delta}-\frac{1}{3}\eta_{\alpha\chi}\Gamma^{\delta\epsilon}{}_{\epsilon}n_{\beta}n_{\delta}-\frac{1}{3}\Gamma_{\alpha\beta}{}^{\delta}n_{\chi}n_{\delta}-\frac{1}{3}\Gamma_{\alpha}{}^{\delta}{}_{\beta}n_{\chi}n_{\delta}+\frac{1}{3}\Gamma_{\beta\alpha}{}^{\delta}n_{\chi}n_{\delta}+\frac{1}{3}\Gamma_{\beta}{}^{\delta}{}_{\alpha}n_{\chi}n_{\delta}-\frac{1}{6}\eta_{\beta\chi}\Gamma^{\delta}{}_{\delta}{}^{\epsilon}n_{\alpha}n_{\epsilon}-\frac{1}{6}\eta_{\beta\chi}\Gamma^{\delta\epsilon}{}_{\delta}n_{\alpha}n_{\epsilon}+\frac{1}{6}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\delta}{}^{\epsilon}n_{\beta}n_{\epsilon}+\frac{1}{6}\eta_{\alpha\chi}\Gamma^{\delta\epsilon}{}_{\delta}n_{\beta}n_{\epsilon}+\frac{1}{3}\eta_{\beta\chi}\Gamma_{\alpha}{}^{\delta\epsilon}n_{\delta}n_{\epsilon}-\frac{1}{3}\eta_{\alpha\chi}\Gamma_{\beta}{}^{\delta\epsilon}n_{\delta}n_{\epsilon}-\frac{1}{6}\eta_{\beta\chi}\Gamma^{\delta}{}_{\alpha}{}^{\epsilon}n_{\delta}n_{\epsilon}+\frac{1}{6}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\beta}{}^{\epsilon}n_{\delta}n_{\epsilon}-\frac{1}{6}\eta_{\beta\chi}\Gamma^{\delta\epsilon}{}_{\alpha}n_{\delta}n_{\epsilon}+\frac{1}{6}\eta_{\alpha\chi}\Gamma^{\delta\epsilon}{}_{\beta}n_{\delta}n_{\epsilon}-\frac{1}{3}\Gamma_{\beta}{}^{\delta\epsilon}n_{\alpha}n_{\chi}n_{\delta}n_{\epsilon}+\frac{1}{6}\Gamma^{\delta}{}_{\beta}{}^{\epsilon}n_{\alpha}n_{\chi}n_{\delta}n_{\epsilon}+\frac{1}{6}\Gamma^{\delta\epsilon}{}_{\beta}n_{\alpha}n_{\chi}n_{\delta}n_{\epsilon}+\frac{1}{3}\Gamma_{\alpha}{}^{\delta\epsilon}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}-\frac{1}{6}\Gamma^{\delta}{}_{\alpha}{}^{\epsilon}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}-\frac{1}{6}\Gamma^{\delta\epsilon}{}_{\alpha}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}$	$\Delta^{\#2}_{2^{-}\alpha\beta\chi}$
$\Gamma^{\#1}_{3^{-}\alpha\beta\chi}$	Symmetry[3, $\Gamma^{\#1\bullet1\bullet2\bullet3}_{3^{-}}$, {●1 → -a, ●2 → -b, ●3 → -c}, StrongGenSet[{1, 2, 3}, GenSet[(1,2), (2,3)]]]	$\frac{1}{6}\Gamma_{\alpha\beta\chi}+\frac{1}{6}\Gamma_{\alpha\chi\beta}-\frac{1}{15}\eta_{\beta\chi}\Gamma_{\alpha}{}^{\delta}{}_{\delta}+\frac{1}{6}\Gamma_{\beta\alpha\chi}+\frac{1}{6}\Gamma_{\beta\chi\alpha}-\frac{1}{15}\eta_{\alpha\chi}\Gamma_{\beta}{}^{\delta}{}_{\delta}+\frac{1}{6}\Gamma_{\chi\alpha\beta}+\frac{1}{6}\Gamma_{\chi\beta\alpha}-\frac{1}{15}\eta_{\alpha\beta}\Gamma_{\chi}{}^{\delta}{}_{\delta}-\frac{1}{15}\eta_{\beta\chi}\Gamma^{\delta}{}_{\alpha\delta}-\frac{1}{15}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\beta\delta}-\frac{1}{15}\eta_{\alpha\beta}\Gamma^{\delta}{}_{\chi\delta}-\frac{1}{15}\eta_{\beta\chi}\Gamma^{\delta}{}_{\delta\alpha}-\frac{1}{15}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\delta\beta}-\frac{1}{15}\eta_{\alpha\beta}\Gamma^{\delta}{}_{\delta\chi}+\frac{1}{15}\Gamma_{\chi}{}^{\delta}{}_{\delta}n_{\alpha}n_{\beta}+\frac{1}{15}\Gamma^{\delta}{}_{\chi\delta}n_{\alpha}n_{\beta}+\frac{1}{15}\Gamma^{\delta}{}_{\delta\chi}n_{\alpha}n_{\beta}+\frac{1}{15}\Gamma_{\beta}{}^{\delta}{}_{\delta}n_{\alpha}n_{\chi}+\frac{1}{15}\Gamma^{\delta}{}_{\beta\delta}n_{\alpha}n_{\chi}+\frac{1}{15}\Gamma^{\delta}{}_{\delta\beta}n_{\alpha}n_{\chi}+\frac{1}{15}\Gamma_{\alpha}{}^{\delta}{}_{\delta}n_{\beta}n_{\chi}+\frac{1}{15}\Gamma^{\delta}{}_{\alpha\delta}n_{\beta}n_{\chi}+\frac{1}{15}\Gamma^{\delta}{}_{\delta\alpha}n_{\beta}n_{\chi}-\frac{1}{6}\Gamma_{\beta\chi}{}^{\delta}n_{\alpha}n_{\delta}-\frac{1}{6}\Gamma_{\beta}{}^{\delta}{}_{\chi}n_{\alpha}n_{\delta}-\frac{1}{6}\Gamma_{\chi\beta}{}^{\delta}n_{\alpha}n_{\delta}-\frac{1}{6}\Gamma_{\chi}{}^{\delta}{}_{\beta}n_{\alpha}n_{\delta}-\frac{1}{6}\Gamma^{\delta}{}_{\beta\chi}n_{\alpha}n_{\delta}-\frac{1}{6}\Gamma^{\delta}{}_{\chi\beta}n_{\alpha}n_{\delta}+\frac{1}{15}\eta_{\beta\chi}\Gamma^{\delta\epsilon}{}_{\epsilon}n_{\alpha}n_{\delta}-\frac{1}{6}\Gamma_{\alpha\chi}{}^{\delta}n_{\beta}n_{\delta}-\frac{1}{6}\Gamma_{\alpha}{}^{\delta}{}_{\chi}n_{\beta}n_{\delta}-\frac{1}{6}\Gamma_{\chi\alpha}{}^{\delta}n_{\beta}n_{\delta}-\frac{1}{6}\Gamma_{\chi}{}^{\delta}{}_{\alpha}n_{\beta}n_{\delta}-\frac{1}{6}\Gamma^{\delta}{}_{\alpha\chi}n_{\beta}n_{\delta}-\frac{1}{6}\Gamma^{\delta}{}_{\chi\alpha}n_{\beta}n_{\delta}+\frac{1}{15}\eta_{\alpha\chi}\Gamma^{\delta\epsilon}{}_{\epsilon}n_{\beta}n_{\delta}-\frac{1}{6}\Gamma_{\alpha\beta}{}^{\delta}n_{\chi}n_{\delta}-\frac{1}{6}\Gamma_{\alpha}{}^{\delta}{}_{\beta}n_{\chi}n_{\delta}-\frac{1}{6}\Gamma_{\beta\alpha}{}^{\delta}n_{\chi}n_{\delta}-\frac{1}{6}\Gamma_{\beta}{}^{\delta}{}_{\alpha}n_{\chi}n_{\delta}-\frac{1}{6}\Gamma^{\delta}{}_{\alpha\beta}n_{\chi}n_{\delta}-\frac{1}{6}\Gamma^{\delta}{}_{\beta\alpha}n_{\chi}n_{\delta}+\frac{1}{15}\eta_{\alpha\beta}\Gamma^{\delta\epsilon}{}_{\epsilon}n_{\chi}n_{\delta}-\frac{1}{5}\Gamma^{\delta\epsilon}{}_{\epsilon}n_{\alpha}n_{\beta}n_{\chi}n_{\delta}+\frac{1}{15}\eta_{\beta\chi}\Gamma^{\delta}{}_{\delta}{}^{\epsilon}n_{\alpha}n_{\epsilon}+\frac{1}{15}\eta_{\beta\chi}\Gamma^{\delta\epsilon}{}_{\delta}n_{\alpha}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\delta}{}^{\epsilon}n_{\beta}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\chi}\Gamma^{\delta\epsilon}{}_{\delta}n_{\beta}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\beta}\Gamma^{\delta}{}_{\delta}{}^{\epsilon}n_{\chi}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\beta}\Gamma^{\delta\epsilon}{}_{\delta}n_{\chi}n_{\epsilon}-\frac{1}{5}\Gamma^{\delta}{}_{\delta}{}^{\epsilon}n_{\alpha}n_{\beta}n_{\chi}n_{\epsilon}-\frac{1}{5}\Gamma^{\delta\epsilon}{}_{\delta}n_{\alpha}n_{\beta}n_{\chi}n_{\epsilon}+\frac{1}{15}\eta_{\beta\chi}\Gamma_{\alpha}{}^{\delta\epsilon}n_{\delta}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\chi}\Gamma_{\beta}{}^{\delta\epsilon}n_{\delta}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\beta}\Gamma_{\chi}{}^{\delta\epsilon}n_{\delta}n_{\epsilon}+\frac{1}{15}\eta_{\beta\chi}\Gamma^{\delta}{}_{\alpha}{}^{\epsilon}n_{\delta}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\chi}\Gamma^{\delta}{}_{\beta}{}^{\epsilon}n_{\delta}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\beta}\Gamma^{\delta}{}_{\chi}{}^{\epsilon}n_{\delta}n_{\epsilon}+\frac{1}{15}\eta_{\beta\chi}\Gamma^{\delta\epsilon}{}_{\alpha}n_{\delta}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\chi}\Gamma^{\delta\epsilon}{}_{\beta}n_{\delta}n_{\epsilon}+\frac{1}{15}\eta_{\alpha\beta}\Gamma^{\delta\epsilon}{}_{\chi}n_{\delta}n_{\epsilon}+\frac{4}{15}\Gamma_{\chi}{}^{\delta\epsilon}n_{\alpha}n_{\beta}n_{\delta}n_{\epsilon}+\frac{4}{15}\Gamma^{\delta}{}_{\chi}{}^{\epsilon}n_{\alpha}n_{\beta}n_{\delta}n_{\epsilon}+\frac{4}{15}\Gamma^{\delta\epsilon}{}_{\chi}n_{\alpha}n_{\beta}n_{\delta}n_{\epsilon}+\frac{4}{15}\Gamma_{\beta}{}^{\delta\epsilon}n_{\alpha}n_{\chi}n_{\delta}n_{\epsilon}+\frac{4}{15}\Gamma^{\delta}{}_{\beta}{}^{\epsilon}n_{\alpha}n_{\chi}n_{\delta}n_{\epsilon}+\frac{4}{15}\Gamma^{\delta\epsilon}{}_{\beta}n_{\alpha}n_{\chi}n_{\delta}n_{\epsilon}+\frac{4}{15}\Gamma_{\alpha}{}^{\delta\epsilon}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}+\frac{4}{15}\Gamma^{\delta}{}_{\alpha}{}^{\epsilon}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}+\frac{4}{15}\Gamma^{\delta\epsilon}{}_{\alpha}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}-\frac{1}{5}\eta_{\beta\chi}\Gamma^{\delta\epsilon\phi}n_{\alpha}n_{\delta}n_{\epsilon}n_{\phi}-\frac{1}{5}\eta_{\alpha\chi}\Gamma^{\delta\epsilon\phi}n_{\beta}n_{\delta}n_{\epsilon}n_{\phi}-\frac{1}{5}\eta_{\alpha\beta}\Gamma^{\delta\epsilon\phi}n_{\chi}n_{\delta}n_{\epsilon}n_{\phi}-\frac{2}{5}\Gamma^{\delta\epsilon\phi}n_{\alpha}n_{\beta}n_{\chi}n_{\delta}n_{\epsilon}n_{\phi}$	$\Delta^{\#1}_{3^{-}\alpha\beta\chi}$