PSALTer kinematic panel

Momentum	Norm	Frame
k^μ	$k^2 == k_\mu \; k^\mu$	$n^\mu == \dfrac{k^\mu}{k}$

Fundamental fields

Fields	Symmetries	SO(3)		Sources
$h_{\alpha\beta}$	StrongGenSet[{1,2},GenSet[(1,2)]]	$\frac{1}{3}\,\eta_{\alpha\beta}\,{}^{0^+}\!h^\parallel + {}^{2^+}\!h^\parallel_{\alpha\beta} + {}^{1}\!h^\perp_{\alpha}\,n_\alpha + {}^{1}\!h^\perp_\alpha\,n_\beta - \frac{1}{3}\,{}^{0^+}\!h^\parallel\,n_\alpha\,n_\beta + {}^{0^+}\!h^\perp\,n_\alpha\,n_\beta$		$\mathcal{T}_{\alpha\beta}$
$\mathcal{A}_{\alpha\beta\chi}$	StrongGenSet[{},GenSet[]]	$\frac{4}{3}\,{}^{2^-}\!\mathcal{A}_{a}{}^{\parallel}{}_{\beta\chi\alpha} + \frac{1}{2}\,{}^{2^-}\!\mathcal{A}_{s}{}^{\parallel}{}_{\alpha\beta\chi} + \frac{1}{2}\,{}^{2^-}\!\mathcal{A}_{s}{}^{\parallel}{}_{\alpha\chi\beta} + {}^{3^-}\!\mathcal{A}_{s}{}^{\parallel}{}_{\alpha\beta\chi} + \frac{1}{2}\,{}^{1^+}\!\mathcal{A}_{a}{}^{\parallel}{}_{\chi}\,\eta_{\alpha\beta} - \frac{1}{6}\,{}^{1^+}\!\mathcal{A}_{s}{}^{\parallel h}{}_{\chi}\,\eta_{\alpha\beta} + \frac{1}{15}\,{}^{1^+}\!\mathcal{A}_{s}{}^{\parallel t}{}_{\chi}\,\eta_{\alpha\beta} - \frac{1}{2}\,{}^{1^+}\!\mathcal{A}_{a}{}^{\parallel}{}_{\beta}\,\eta_{\alpha\chi} - \frac{1}{6}\,{}^{1^+}\!\mathcal{A}_{s}{}^{\parallel h}{}_{\beta}\,\eta_{\alpha\chi} + \frac{1}{15}\,{}^{1^+}\!\mathcal{A}_{s}{}^{\parallel t}{}_{\beta}\,\eta_{\alpha\chi} + \frac{1}{3}\,{}^{1^+}\!\mathcal{A}_{s}{}^{\parallel h}{}_{\alpha}\,\eta_{\beta\chi} + \frac{1}{15}\,{}^{1^+}\!\mathcal{A}_{s}{}^{\parallel t}{}_{\alpha}\,\eta_{\beta\chi} + \cdots$		$\mathcal{W}_{\alpha\beta\chi}$

SO(3) irreps

SO(3)	Symmetries	Expansion	Sources
${}^{0^+}\!h^\perp$	StrongGenSet[{},GenSet[]]	$h_{\alpha\beta}\,n^\alpha\,n^\beta$	${}^{0^+}\!\mathcal{T}^\perp$
${}^{0^+}\!h^\parallel$	StrongGenSet[{},GenSet[]]	$h^\alpha{}_\alpha - h_{\alpha\beta}\,n^\alpha\,n^\beta$	${}^{0^+}\!\mathcal{T}^\parallel$
${}^{1}\!h^\perp_\alpha$	StrongGenSet[{},GenSet[]]	$h_{\alpha\beta}\,n^\beta - h_{\beta\chi}\,n_\alpha\,n^\beta\,n^\chi$	${}^{1}\!\mathcal{T}^\perp_\alpha$
${}^{2^+}\!h^\parallel_{\alpha\beta}$	StrongGenSet[{1,2},GenSet[(1,2)]]	$h_{\alpha\beta} - \frac{1}{3}\,\eta_{\alpha\beta}\,h^\chi{}_\chi + \frac{1}{3}\,h^\chi{}_\chi\,n_\alpha\,n_\beta - h_{\beta\chi}\,n_\alpha\,n^\chi - h_{\alpha\chi}\,n_\beta\,n^\chi + \frac{1}{3}\,\eta_{\alpha\beta}\,h_{\chi\delta}\,n^\chi\,n^\delta + \frac{2}{3}\,h_{\chi\delta}\,n_\alpha\,n_\beta\,n^\chi\,n^\delta$	${}^{2^+}\!\mathcal{T}^\parallel_{\alpha\beta}$
${}^{0^+}\!\mathcal{A}_{a}{}^{\parallel}$	StrongGenSet[{}, GenSet[]]	$\frac{1}{2}\,\mathcal{A}^{\alpha}{}_\alpha{}^\beta\,n_\beta + \frac{1}{2}\,\mathcal{A}^{\alpha\beta}{}_\alpha\,n_\beta$	${}^{0^+}\!\mathcal{W}_{a}{}^{\parallel}$
${}^{0^+}\!\mathcal{A}_{s}{}^{\perp t}$	StrongGenSet[{},GenSet[]]	$\mathcal{A}^{\alpha\beta\chi}\,n_\alpha\,n_\beta\,n_\chi$	${}^{0^+}\!\mathcal{W}_{s}{}^{\perp t}$
${}^{0^+}\!\mathcal{A}_{s}{}^{\parallel}$	StrongGenSet[{},GenSet[]]	$\mathcal{A}^{\alpha\beta}{}\,n_\alpha + \mathcal{A}^{\alpha}{}_{\,\,\beta}\,n_\beta + \mathcal{A}^{\alpha\beta}{}_\alpha\,n_\beta - 3\,\mathcal{A}^{\alpha\beta\chi}\,n_\alpha\,n_\beta\,n_\chi$	${}^{0^+}\!\mathcal{W}_{s}{}^{\parallel}$
${}^{0^+}\!\mathcal{A}_{s}{}^{\perp h}$	StrongGenSet[{},GenSet[]]	$\mathcal{A}^{\alpha\beta}{}\,n_\alpha - \frac{1}{2}\,\mathcal{A}^{\alpha}{}_{\,\,\beta}\,n_\beta - \frac{1}{2}\,\mathcal{A}^{\alpha\beta}{}_\alpha\,n_\beta$	${}^{0^+}\!\mathcal{W}_{s}{}^{\perp h}$
${}^{0^-}\!\mathcal{A}_{a}{}^{\parallel}$	StrongGenSet[{},GenSet[]]	$\mathcal{A}^{\alpha\beta\chi}\,\epsilon\eta_{\alpha\beta\chi\delta}\,n^\delta$	${}^{0^-}\!\mathcal{W}_{a}{}^{\parallel}$
${}^{1^+}\!\mathcal{A}_{a}{}^{\parallel}_{\alpha\beta}$	StrongGenSet[{1,2},GenSet[-(1,2)]]	$\frac{1}{4}\,\mathcal{A}_{\alpha\beta}{}^\chi\,n_\chi - \frac{1}{4}\,\mathcal{A}_{\alpha}{}^{\chi}{}_\beta\,n_\chi - \frac{1}{4}\,\mathcal{A}_{\beta\alpha}{}^\chi\,n_\chi + \frac{1}{4}\,\mathcal{A}_{\beta}{}^{\chi}{}_\alpha\,n_\chi - \frac{1}{4}\,\mathcal{A}^{\chi}{}_\alpha{}^{\delta}\,n_\alpha\,n_\chi\,n_\delta + \frac{1}{4}\,\mathcal{A}^\chi{}_\beta{}_\alpha\,n_\alpha\,n_\chi\,n_\delta + \frac{1}{4}\,\mathcal{A}_\alpha{}^{\chi\,\delta}\,n_\beta\,n_\chi\,n_\delta - \frac{1}{4}\,\mathcal{A}^{\chi\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta$	${}^{1^+}\!\mathcal{W}_{a}{}^{\parallel}_{\alpha\beta}$
${}^{1^+}\!\mathcal{A}_{a}{}^{\perp}_{\alpha\beta}$	StrongGenSet[{1,2},GenSet[-(1,2)]]	$\frac{1}{2}\,\mathcal{A}^\chi{}_{\alpha\beta}\,n_\chi - \frac{1}{2}\,\mathcal{A}^\chi{}_{\beta\alpha}\,n_\chi + \frac{1}{2}\,\mathcal{A}^{\chi\,\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta - \frac{1}{2}\,\mathcal{A}^{\chi\delta}{}_\alpha\,n_\alpha\,n_\chi\,n_\delta - \frac{1}{2}\,\mathcal{A}^{\chi\,\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta + \frac{1}{2}\,\mathcal{A}^{\chi\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta$	${}^{1^+}\!\mathcal{W}_{a}{}^{\perp}_{\alpha\beta}$
${}^{1^+}\!\mathcal{A}_{s}{}^{\perp}_{\alpha\beta}$	StrongGenSet[{1,2}, GenSet[-(1,2)]]	$\frac{1}{2}\,\mathcal{A}_{\alpha\beta}{}^\chi\,n_\chi - \frac{1}{2}\,\mathcal{A}_\alpha{}^{\chi}{}_\beta\,n_\chi + \frac{1}{2}\,\mathcal{A}_{\beta\alpha}{}^\chi\,n_\chi + \frac{1}{2}\,\mathcal{A}_\beta{}^{\chi}{}_\alpha\,n_\chi - \mathcal{A}^{\chi\delta}{}\,n_\alpha\,n_\chi\,n_\delta + \frac{1}{2}\,\mathcal{A}^{\chi\,\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta + \frac{1}{2}\,\mathcal{A}^{\chi\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta + \mathcal{A}^{\chi\,\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta - \frac{1}{2}\,\mathcal{A}^{\chi\,\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta$	${}^{1^+}\!\mathcal{W}_{s}{}^{\perp}_{\alpha\beta}$
${}^{1^+}\!\mathcal{A}_{a}{}^{\parallel}_{\alpha}$	StrongGenSet[{}, GenSet[]]	$\frac{1}{2}\,\mathcal{A}^{\beta}{}_{\alpha\beta} + \frac{1}{2}\,\mathcal{A}^{\beta}{}_{\beta\alpha} - \frac{1}{2}\,\mathcal{A}^{\beta}{}_{\,\chi}\,n_\alpha\,n_\chi + \frac{1}{2}\,\mathcal{A}^{\beta\chi}{}\,n_\alpha\,n_\chi + \frac{1}{2}\,\mathcal{A}^{\beta}{}_{\,\chi}\,n_\beta\,n_\chi - \frac{1}{2}\,\mathcal{A}^{\beta\chi}{}_\alpha\,n_\beta\,n_\chi$	${}^{1^+}\!\mathcal{W}_{a}{}^{\parallel}_{\alpha}$
${}^{1}\!\mathcal{A}_{a}{}^{\perp}_{\alpha}$	StrongGenSet[{},GenSet[]]	$\frac{1}{2}\,\mathcal{A}^{\beta\,\chi}{}_\alpha\,n_\beta\,n_\chi - \frac{1}{2}\,\mathcal{A}^{\beta\chi}{}_\alpha\,n_\beta\,n_\chi$	${}^{1}\!\mathcal{W}_{a}{}^{\perp}_{\alpha}$
${}^{1}\!\mathcal{A}_{s}{}^{\perp t}_{\alpha}$	StrongGenSet[{},GenSet[]]	$\mathcal{A}_\alpha{}^{\beta\chi}\,n_\beta\,n_\chi + \mathcal{A}^{\beta}{}_{\alpha}{}^\chi\,n_\beta\,n_\chi + \mathcal{A}^{\beta\chi}{}_\alpha\,n_\beta\,n_\chi - 3\,\mathcal{A}^{\beta\chi\delta}\,n_\alpha\,n_\beta\,n_\chi\,n_\delta$	${}^{1}\!\mathcal{W}_{s}{}^{\perp t}_{\alpha}$
${}^{1}\!\mathcal{A}_{s}{}^{\parallel t}_{\alpha}$	StrongGenSet[{},GenSet[]]	$\mathcal{A}_{\alpha}{}^{\beta}{}_{\beta} + \mathcal{A}^{\beta}{}_{\alpha\beta} + \mathcal{A}^{\beta}{}_{\beta\alpha} - \mathcal{A}^{\beta}{}_{\,\chi}\,n_\alpha\,n_\chi - \mathcal{A}^{\beta\,\chi}{}_\alpha\,n_\alpha\,n_\chi - \mathcal{A}^{\beta\chi}{}_\beta\,n_\alpha\,n_\chi - \mathcal{A}^{\beta\,\chi}{}_\alpha\,n_\beta\,n_\chi - \mathcal{A}^{\beta}{}_{\,\alpha}{}^\chi\,n_\beta\,n_\chi - \mathcal{A}^{\beta\chi}{}_\alpha\,n_\beta\,n_\chi + 3\,\mathcal{A}^{\beta\chi\delta}\,n_\alpha\,n_\beta\,n_\chi\,n_\delta$	${}^{1}\!\mathcal{W}_{s}{}^{\parallel t}_{\alpha}$
${}^{1}\!\mathcal{A}_{s}{}^{\perp h}_{\alpha}$	StrongGenSet[{},GenSet[]]	$\mathcal{A}_\alpha{}^{\beta\chi}\,n_\beta\,n_\chi - \frac{1}{2}\,\mathcal{A}^{\beta\,\chi}{}_\alpha\,n_\beta\,n_\chi - \frac{1}{2}\,\mathcal{A}^{\beta\chi}{}_\alpha\,n_\beta\,n_\chi$	${}^{1}\!\mathcal{W}_{s}{}^{\perp h}_{\alpha}$
${}^{1}\!\mathcal{A}_{s}{}^{\parallel h}_{\alpha}$	StrongGenSet[{},GenSet[]]	$\mathcal{A}_{\alpha}{}^{\beta}{}_{\beta} - \frac{1}{2}\,\mathcal{A}^{\beta}{}_{\alpha\beta} - \frac{1}{2}\,\mathcal{A}^{\beta}{}_{\beta\alpha} - \mathcal{A}^{\beta\chi}{}\,n_\alpha\,n_\beta + \frac{1}{2}\,\mathcal{A}^{\beta\,\chi}{}_\alpha\,n_\alpha\,n_\chi + \frac{1}{2}\,\mathcal{A}^{\beta\chi}{}_\alpha\,n_\alpha\,n_\chi - \mathcal{A}^{\beta\,\chi}{}_\alpha\,n_\beta\,n_\chi + \frac{1}{2}\,\mathcal{A}^{\beta}{}_{\,\alpha}{}^\chi\,n_\beta\,n_\chi + \frac{1}{2}\,\mathcal{A}^{\beta\chi}{}_\alpha\,n_\beta\,n_\chi$	${}^{1}\!\mathcal{W}_{s}{}^{\parallel h}_{\alpha}$
${}^{2^+}\!\mathcal{A}_{a}{}^{\parallel}_{\alpha\beta}$	StrongGenSet[{1, 2}, GenSet[(1,2)]]	$\frac{1}{4}\,\mathcal{A}_{\alpha\beta}{}^\chi\,n_\chi + \frac{1}{4}\,\mathcal{A}_\alpha{}^{\chi}{}_\beta\,n_\chi - \frac{1}{4}\,\mathcal{A}_{\beta\alpha}{}^\chi\,n_\chi + \frac{1}{4}\,\mathcal{A}_\beta{}^\chi{}_\alpha\,n_\chi + \frac{1}{6}\,\mathcal{A}^{\chi}{}_\chi{}^{\delta}\,\eta_{\alpha\beta}\,n_\delta - \frac{1}{6}\,\mathcal{A}^{\chi\delta}{}_\chi\,\eta_{\alpha\beta}\,n_\delta - \frac{1}{6}\,\mathcal{A}^{\chi\,\delta}{}_\chi\,n_\alpha\,n_\beta\,n_\delta + \frac{1}{6}\,\mathcal{A}^{\chi\delta}{}_\chi\,n_\alpha\,n_\beta\,n_\delta + \frac{1}{4}\,\mathcal{A}^{\chi\,\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta - \frac{1}{4}\,\mathcal{A}^{\chi\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta + \frac{1}{4}\,\mathcal{A}^{\chi\,\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta - \frac{1}{4}\,\mathcal{A}^{\chi\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta$	${}^{2^+}\!\mathcal{W}_{a}{}^{\parallel}_{\alpha\beta}$
${}^{2^+}\!\mathcal{A}_{s}{}^{\parallel}_{\alpha\beta}$	StrongGenSet[{1,2},GenSet[(1,2)]]	$\frac{1}{2}\,\mathcal{A}_{\alpha\beta}{}^\chi\,n_\chi + \frac{1}{2}\,\mathcal{A}_\alpha{}^{\chi}{}_\beta\,n_\chi + \frac{1}{2}\,\mathcal{A}_{\beta\alpha}{}^\chi\,n_\chi + \frac{1}{2}\,\mathcal{A}_\beta{}^{\chi}{}_\alpha\,n_\chi + \frac{1}{2}\,\mathcal{A}^\chi{}_{\alpha\beta}\,n_\chi + \frac{1}{2}\,\mathcal{A}^\chi{}_{\beta\alpha}\,n_\chi - \frac{1}{3}\,\mathcal{A}^{\chi\delta}{}_\chi\,\eta_{\alpha\beta}\,n_\chi + \frac{1}{3}\,\mathcal{A}^{\chi\delta}{}_\chi\,n_\alpha\,n_\beta\,n_\chi - \frac{1}{3}\,\mathcal{A}^{\chi\,\delta}{}_\chi\,\eta_{\alpha\beta}\,n_\delta - \frac{1}{3}\,\mathcal{A}^{\chi\delta}{}_\chi\,\eta_{\alpha\beta}\,n_\delta + \frac{1}{3}\,\mathcal{A}^{\chi\,\delta}{}_\chi\,n_\alpha\,n_\beta\,n_\delta + \frac{1}{3}\,\mathcal{A}^{\chi\delta}{}_\chi\,n_\alpha\,n_\beta\,n_\delta - \mathcal{A}^{\chi\,\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta - \mathcal{A}^\chi{}_\beta{}^\delta\,n_\alpha\,n_\chi\,n_\delta - \mathcal{A}^{\chi\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta - \mathcal{A}^{\chi\,\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta - \mathcal{A}^\chi{}_\alpha{}^\delta\,n_\beta\,n_\chi\,n_\delta - \mathcal{A}^{\chi\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta + \mathcal{A}^{\chi\delta\epsilon}{}\,\eta_{\alpha\beta}\,n_\chi\,n_\delta\,n_\epsilon + 2\,\mathcal{A}^{\chi\delta\epsilon}{}\,n_\alpha\,n_\beta\,n_\chi\,n_\delta\,n_\epsilon$	${}^{2^+}\!\mathcal{W}_{s}{}^{\parallel}_{\alpha\beta}$
${}^{2^+}\!\mathcal{A}_{s}{}^{\perp}_{\alpha\beta}$	StrongGenSet[{1, 2}, GenSet[(1,2)]]	$\frac{1}{4}\,\mathcal{A}_{\alpha\beta}{}^\chi\,n_\chi - \frac{1}{4}\,\mathcal{A}_\alpha{}^{\chi}{}_\beta\,n_\chi - \frac{1}{4}\,\mathcal{A}_{\beta\alpha}{}^\chi\,n_\chi - \frac{1}{4}\,\mathcal{A}_\beta{}^{\chi}{}_\alpha\,n_\chi + \frac{1}{2}\,\mathcal{A}^\chi{}_{\alpha\beta}\,n_\chi + \frac{1}{2}\,\mathcal{A}^\chi{}_{\beta\alpha}\,n_\chi - \frac{1}{3}\,\mathcal{A}^{\chi\delta}{}_\chi\,\eta_{\alpha\beta}\,n_\chi + \frac{1}{3}\,\mathcal{A}^{\chi\delta}{}_\chi\,n_\alpha\,n_\beta\,n_\chi + \frac{1}{6}\,\mathcal{A}^{\chi\,\delta}{}_\chi\,\eta_{\alpha\beta}\,n_\delta + \frac{1}{6}\,\mathcal{A}^{\chi\delta}{}_\chi\,\eta_{\alpha\beta}\,n_\delta - \frac{1}{6}\,\mathcal{A}^{\chi\,\delta}{}_\chi\,n_\alpha\,n_\beta\,n_\delta - \frac{1}{6}\,\mathcal{A}^{\chi\delta}{}_\chi\,n_\alpha\,n_\beta\,n_\delta + \frac{1}{2}\,\mathcal{A}^{\chi\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta - \frac{1}{4}\,\mathcal{A}^{\chi\,\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta - \frac{1}{4}\,\mathcal{A}^{\chi\delta}{}_\beta\,n_\alpha\,n_\chi\,n_\delta + \frac{1}{2}\,\mathcal{A}_\alpha{}^{\chi\delta}\,n_\beta\,n_\chi\,n_\delta - \frac{1}{4}\,\mathcal{A}^{\chi\,\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta - \frac{1}{4}\,\mathcal{A}^{\chi\delta}{}_\alpha\,n_\beta\,n_\chi\,n_\delta$	${}^{2^+}\!\mathcal{W}_{s}{}^{\perp}_{\alpha\beta}$
${}^{2^-}\!\mathcal{A}_{a}{}^{\parallel}_{\alpha\beta\chi}$	StrongGenSet[{1, 2}, GenSet[-(1,2)]]	$\frac{1}{8}\,\mathcal{A}_{\alpha\beta\chi} + \frac{1}{8}\,\mathcal{A}_{\alpha\chi\beta} + \frac{1}{8}\,\mathcal{A}_{\beta\alpha\chi} - \frac{1}{8}\,\mathcal{A}_{\beta\chi\alpha} + \frac{1}{4}\,\mathcal{A}_{\chi\alpha\beta} - \frac{1}{4}\,\mathcal{A}_{\chi\beta\alpha} + \frac{3}{16}\,\mathcal{A}^{\delta}{}_{\beta\delta}\,\eta_{\alpha\chi} - \frac{3}{16}\,\mathcal{A}^{\delta}{}_{\delta\beta}\,\eta_{\alpha\chi} - \frac{3}{16}\,\mathcal{A}^{\delta}{}_{\alpha\delta}\,\eta_{\beta\chi} + \frac{3}{16}\,\mathcal{A}^{\delta}{}_{\delta\alpha}\,\eta_{\beta\chi} - \frac{3}{16}\,\mathcal{A}^{\delta}{}_{\beta\delta}\,n_\alpha\,n_\chi + \frac{3}{16}\,\mathcal{A}^{\delta}{}_{\delta\beta}\,n_\alpha\,n_\chi + \frac{3}{16}\,\mathcal{A}^{\delta}{}_{\alpha\delta}\,n_\beta\,n_\chi - \frac{3}{16}\,\mathcal{A}^{\delta}{}_{\delta\alpha}\,n_\beta\,n_\chi + \frac{1}{8}\,\mathcal{A}_{\beta\chi}{}^\delta\,n_\alpha\,n_\delta - \frac{1}{8}\,\mathcal{A}_\beta{}^\delta{}_\chi\,n_\alpha\,n_\delta + \frac{1}{4}\,\mathcal{A}_{\chi\beta}{}^\delta\,n_\alpha\,n_\delta - \frac{1}{4}\,\mathcal{A}_\chi{}^\delta{}_\beta\,n_\alpha\,n_\delta + \frac{1}{8}\,\mathcal{A}^\delta{}_{\beta\chi}\,n_\alpha\,n_\delta - \frac{1}{8}\,\mathcal{A}^\delta{}_{\chi\beta}\,n_\alpha\,n_\delta - \frac{1}{8}\,\mathcal{A}_{\alpha\chi}{}^\delta\,n_\beta\,n_\delta + \frac{1}{8}\,\mathcal{A}_\alpha{}^\delta{}_\chi\,n_\beta\,n_\delta - \frac{1}{4}\,\mathcal{A}_{\chi\alpha}{}^\delta\,n_\beta\,n_\delta + \frac{1}{4}\,\mathcal{A}_\chi{}^\delta{}_\alpha\,n_\beta\,n_\delta - \frac{1}{8}\,\mathcal{A}^\delta{}_{\alpha\chi}\,n_\beta\,n_\delta + \frac{1}{8}\,\mathcal{A}^\delta{}_{\chi\alpha}\,n_\beta\,n_\delta + \frac{1}{8}\,\mathcal{A}_{\alpha\beta}{}^\delta\,n_\chi\,n_\delta - \frac{1}{8}\,\mathcal{A}_\alpha{}^\delta{}_\beta\,n_\chi\,n_\delta + \frac{1}{4}\,\mathcal{A}_{\beta\alpha}{}^\delta\,n_\chi\,n_\delta - \frac{3}{16}\,\mathcal{A}^{\delta\,\epsilon}{}_\delta\,\eta_{\beta\chi}\,n_\alpha\,n_\epsilon + \frac{3}{16}\,\mathcal{A}^{\delta\epsilon}{}_\delta\,\eta_{\beta\chi}\,n_\alpha\,n_\epsilon + \frac{3}{16}\,\mathcal{A}^{\delta\,\epsilon}{}_\delta\,\eta_{\alpha\chi}\,n_\beta\,n_\epsilon - \frac{3}{16}\,\mathcal{A}^{\delta\,\epsilon}{}_\beta\,\eta_{\alpha\chi}\,n_\delta\,n_\epsilon + \frac{3}{16}\,\mathcal{A}^{\delta\,\epsilon}{}_\beta\,\eta_{\alpha\chi}\,n_\delta\,n_\epsilon - \frac{3}{16}\,\mathcal{A}^{\delta\epsilon}{}_\alpha\,\eta_{\beta\chi}\,n_\delta\,n_\epsilon - \frac{3}{16}\,\mathcal{A}^{\delta\,\epsilon}{}_\beta\,n_\alpha\,n_\chi\,n_\delta\,n_\epsilon + \frac{3}{16}\,\mathcal{A}^{\delta\epsilon}{}_\beta\,n_\alpha\,n_\chi\,n_\delta\,n_\epsilon + \frac{3}{16}\,\mathcal{A}^{\delta\,\epsilon}{}_\alpha\,n_\beta\,n_\chi\,n_\delta\,n_\epsilon - \frac{3}{16}\,\mathcal{A}^{\delta\epsilon}{}_\alpha\,n_\beta\,n_\chi\,n_\delta\,n_\epsilon$	${}^{2^-}\!\mathcal{W}_{a}{}^{\parallel}_{\alpha\beta\chi}$
${}^{2^-}\!\mathcal{A}_{s}{}^{\parallel}_{\alpha\beta\chi}$	StrongGenSet[{1,2},GenSet[-(1,2)]]	$\frac{1}{3}\,\mathcal{A}_{\alpha\beta\chi} + \frac{1}{3}\,\mathcal{A}_{\alpha\chi\beta} - \frac{1}{3}\,\mathcal{A}_{\beta\alpha\chi} - \frac{1}{3}\,\mathcal{A}_{\beta\chi\alpha} + \frac{1}{3}\,\mathcal{A}_{\beta}{}^\delta{}_\delta\,\eta_{\alpha\chi} - \frac{1}{6}\,\mathcal{A}^{\delta}{}_{\beta\delta}\,\eta_{\alpha\chi} - \frac{1}{6}\,\mathcal{A}^{\delta}{}_{\delta\beta}\,\eta_{\alpha\chi} - \frac{1}{3}\,\mathcal{A}_\alpha{}^\delta{}_\delta\,\eta_{\beta\chi} + \frac{1}{6}\,\mathcal{A}^{\delta}{}_{\alpha\delta}\,\eta_{\beta\chi} + \frac{1}{6}\,\mathcal{A}^{\delta}{}_{\delta\alpha}\,\eta_{\beta\chi} - \frac{1}{3}\,\mathcal{A}_\beta{}^\delta{}_\delta\,n_\alpha\,n_\chi + \frac{1}{6}\,\mathcal{A}^{\delta}{}_{\beta\delta}\,n_\alpha\,n_\chi + \frac{1}{6}\,\mathcal{A}^{\delta}{}_{\delta\beta}\,n_\alpha\,n_\chi + \frac{1}{3}\,\mathcal{A}_\alpha{}^\delta{}_\delta\,n_\beta\,n_\chi - \frac{1}{6}\,\mathcal{A}^\delta{}_{\alpha\delta}\,n_\beta\,n_\chi - \frac{1}{6}\,\mathcal{A}^\delta{}_{\delta\alpha}\,n_\beta\,n_\chi + \frac{1}{3}\,\mathcal{A}_{\beta\chi}{}^\delta\,n_\alpha\,n_\delta + \frac{1}{3}\,\mathcal{A}_\beta{}^\delta{}_\chi\,n_\alpha\,n_\delta - \frac{1}{3}\,\mathcal{A}^\delta{}_{\beta\chi}\,n_\alpha\,n_\delta - \frac{1}{3}\,\mathcal{A}^\delta{}_{\chi\beta}\,n_\alpha\,n_\delta + \frac{1}{3}\,\mathcal{A}_{\alpha\chi}{}^\delta\,n_\beta\,n_\delta + \frac{1}{3}\,\mathcal{A}_\alpha{}^\delta{}_\chi\,n_\beta\,n_\delta - \frac{1}{3}\,\mathcal{A}^{\delta\epsilon}{}\,\eta_{\alpha\chi}\,n_\beta\,n_\delta - \frac{1}{3}\,\mathcal{A}_\alpha{}^\delta{}_\chi\,n_\beta\,n_\delta - \frac{1}{3}\,\mathcal{A}^\delta{}_{\alpha\chi}\,n_\beta\,n_\delta - \frac{1}{3}\,\mathcal{A}^\delta{}_{\chi\alpha}\,n_\beta\,n_\delta + \frac{1}{3}\,\mathcal{A}_{\alpha\beta}{}^\delta\,n_\chi\,n_\delta - \frac{1}{6}\,\mathcal{A}^{\delta\,\epsilon}{}_\delta\,\eta_{\beta\chi}\,n_\alpha\,n_\epsilon - \frac{1}{6}\,\mathcal{A}^{\delta\epsilon}{}_\delta\,\eta_{\beta\chi}\,n_\alpha\,n_\epsilon + \frac{1}{6}\,\mathcal{A}^{\delta\,\epsilon}{}_\delta\,\eta_{\alpha\chi}\,n_\beta\,n_\epsilon + \frac{1}{6}\,\mathcal{A}^{\delta\epsilon}{}_\delta\,\eta_{\alpha\chi}\,n_\beta\,n_\epsilon - \frac{1}{3}\,\mathcal{A}^{\delta\epsilon}{}\,\eta_{\alpha\chi}\,n_\delta\,n_\epsilon + \frac{1}{6}\,\mathcal{A}^{\delta\,\epsilon}{}_\beta\,\eta_{\alpha\chi}\,n_\delta\,n_\epsilon + \frac{1}{6}\,\mathcal{A}^{\delta\epsilon}{}_\beta\,\eta_{\alpha\chi}\,n_\delta\,n_\epsilon + \frac{1}{3}\,\mathcal{A}_\alpha{}^{\delta\epsilon}\,\eta_{\beta\chi}\,n_\delta\,n_\epsilon - \frac{1}{6}\,\mathcal{A}^{\delta\,\epsilon}{}_\alpha\,\eta_{\beta\chi}\,n_\delta\,n_\epsilon - \frac{1}{6}\,\mathcal{A}^{\delta\,\epsilon}{}_\beta\,\eta_{\alpha\chi}\,n_\delta\,n_\epsilon + \frac{1}{3}\,\mathcal{A}_\beta{}^{\delta\epsilon}\,n_\alpha\,n_\chi\,n_\delta\,n_\epsilon - \frac{1}{6}\,\mathcal{A}^{\delta\,\epsilon}{}_\beta\,n_\alpha\,n_\chi\,n_\delta\,n_\epsilon - \frac{1}{6}\,\mathcal{A}^{\delta\epsilon}{}_\alpha\,n_\beta\,n_\chi\,n_\delta\,n_\epsilon$	${}^{2^-}\!\mathcal{W}_{s}{}^{\parallel}_{\alpha\beta\chi}$
${}^{3^-}\!\mathcal{A}_{s}{}^{\parallel}_{\alpha\beta\chi}$	StrongGenSet[{1, 2, 3}, GenSet[(1,2), (2,3)]]	$\frac{1}{6}\,\mathcal{A}_{\alpha\beta\chi} + \frac{1}{6}\,\mathcal{A}_{\alpha\chi\beta} + \frac{1}{6}\,\mathcal{A}_{\beta\alpha\chi} + \frac{1}{6}\,\mathcal{A}_{\beta\chi\alpha} + \frac{1}{6}\,\mathcal{A}_{\chi\alpha\beta} + \frac{1}{6}\,\mathcal{A}_{\chi\beta\alpha} - \frac{1}{15}\,\mathcal{A}_\chi{}^\delta{}_\delta\,\eta_{\alpha\beta} - \frac{1}{15}\,\mathcal{A}^{\chi\delta}{}_\chi\,\eta_{\alpha\beta} - \frac{1}{15}\,\mathcal{A}^\delta{}_{\delta\chi}\,\eta_{\alpha\beta} - \frac{1}{15}\,\mathcal{A}_\beta{}^\delta{}_\delta\,\eta_{\alpha\chi} - \frac{1}{15}\,\mathcal{A}^\delta{}_{\beta\delta}\,\eta_{\alpha\chi} - \frac{1}{15}\,\mathcal{A}^\delta{}_{\delta\beta}\,\eta_{\alpha\chi} - \frac{1}{15}\,\mathcal{A}_\alpha{}^\delta{}_\delta\,\eta_{\beta\chi} - \frac{1}{15}\,\mathcal{A}^\delta{}_{\alpha\delta}\,\eta_{\beta\chi} - \frac{1}{15}\,\mathcal{A}^\delta{}_{\delta\alpha}\,\eta_{\beta\chi} + \frac{1}{15}\,\mathcal{A}_\chi{}^\delta{}_\delta\,n_\alpha\,n_\beta + \frac{1}{15}\,\mathcal{A}^{\chi\delta}{}_\chi\,n_\alpha\,n_\beta + \frac{1}{15}\,\mathcal{A}^\delta{}_{\delta\chi}\,n_\alpha\,n_\beta + \frac{1}{15}\,\mathcal{A}_\beta{}^\delta{}_\delta\,n_\alpha\,n_\chi + \frac{1}{15}\,\mathcal{A}^\delta{}_{\beta\delta}\,n_\alpha\,n_\chi + \frac{1}{15}\,\mathcal{A}^\delta{}_{\delta\beta}\,n_\alpha\,n_\chi + \frac{1}{15}\,\mathcal{A}_\alpha{}^\delta{}_\delta\,n_\beta\,n_\chi + \frac{1}{15}\,\mathcal{A}^\delta{}_{\alpha\delta}\,n_\beta\,n_\chi + \frac{1}{15}\,\mathcal{A}^\delta{}_{\delta\alpha}\,n_\beta\,n_\chi - \frac{1}{6}\,\mathcal{A}_{\beta\chi}{}^\delta\,n_\alpha\,n_\delta - \frac{1}{6}\,\mathcal{A}_\beta{}^\delta{}_\chi\,n_\alpha\,n_\delta - \frac{1}{6}\,\mathcal{A}_{\chi\beta}{}^\delta\,n_\alpha\,n_\delta - \frac{1}{6}\,\mathcal{A}_\chi{}^\delta{}_\beta\,n_\alpha\,n_\delta - \frac{1}{6}\,\mathcal{A}^\delta{}_{\beta\chi}\,n_\alpha\,n_\delta - \frac{1}{6}\,\mathcal{A}^\delta{}_{\chi\beta}\,n_\alpha\,n_\delta + \frac{1}{15}\,\mathcal{A}^{\delta\epsilon}{}\,\eta_{\beta\chi}\,n_\alpha\,n_\delta - \frac{1}{6}\,\mathcal{A}_{\alpha\chi}{}^\delta\,n_\beta\,n_\delta - \frac{1}{6}\,\mathcal{A}_\alpha{}^\delta{}_\chi\,n_\beta\,n_\delta - \frac{1}{6}\,\mathcal{A}_{\chi\alpha}{}^\delta\,n_\beta\,n_\delta - \frac{1}{6}\,\mathcal{A}_\chi{}^\delta{}_\alpha\,n_\beta\,n_\delta - \frac{1}{6}\,\mathcal{A}^\delta{}_{\alpha\chi}\,n_\beta\,n_\delta - \frac{1}{6}\,\mathcal{A}^\delta{}_{\chi\alpha}\,n_\beta\,n_\delta + \frac{1}{15}\,\mathcal{A}^{\delta\epsilon}{}\,\eta_{\alpha\chi}\,n_\beta\,n_\delta - \frac{1}{6}\,\mathcal{A}_{\alpha\beta}{}^\delta\,n_\chi\,n_\delta - \frac{1}{6}\,\mathcal{A}_\alpha{}^\delta{}_\beta\,n_\chi\,n_\delta - \frac{1}{6}\,\mathcal{A}_{\beta\alpha}{}^\delta\,n_\chi\,n_\delta + \frac{1}{15}\,\mathcal{A}^{\delta\epsilon}{}\,\eta_{\alpha\beta}\,n_\chi\,n_\delta - \frac{1}{5}\,\mathcal{A}^{\delta\epsilon}{}\,n_\alpha\,n_\beta\,n_\chi\,n_\delta + \frac{1}{15}\,\mathcal{A}^{\delta\,\epsilon}{}_\delta\,\eta_{\beta\chi}\,n_\alpha\,n_\epsilon + \frac{1}{15}\,\mathcal{A}^{\delta\,\epsilon}{}_\delta\,\eta_{\alpha\chi}\,n_\beta\,n_\epsilon + \frac{1}{15}\,\mathcal{A}^\delta{}_\chi{}^\epsilon\,\eta_{\alpha\beta}\,n_\delta\,n_\epsilon + \frac{1}{15}\,\mathcal{A}^{\delta\,\epsilon}{}_\chi\,\eta_{\alpha\beta}\,n_\delta\,n_\epsilon + \frac{1}{15}\,\mathcal{A}^{\delta\,\epsilon}{}_\delta\,\eta_{\alpha\beta}\,n_\chi\,n_\epsilon + \frac{1}{15}\,\mathcal{A}^{\delta\,\epsilon}{}_\beta\,\eta_{\alpha\chi}\,n_\delta\,n_\epsilon + \frac{1}{15}\,\mathcal{A}^{\delta\,\epsilon}{}_\alpha\,\eta_{\beta\chi}\,n_\delta\,n_\epsilon + \frac{4}{15}\,\mathcal{A}_\chi{}^{\delta\epsilon}\,n_\alpha\,n_\beta\,n_\delta\,n_\epsilon + \frac{4}{15}\,\mathcal{A}^{\delta\,\epsilon}{}_\chi\,n_\alpha\,n_\beta\,n_\delta\,n_\epsilon + \frac{4}{15}\,\mathcal{A}^{\delta\epsilon}{}_\chi\,n_\alpha\,n_\beta\,n_\delta\,n_\epsilon + \frac{4}{15}\,\mathcal{A}_\beta{}^{\delta\epsilon}\,n_\alpha\,n_\chi\,n_\delta\,n_\epsilon + \frac{4}{15}\,\mathcal{A}^{\delta\,\epsilon}{}_\beta\,n_\alpha\,n_\chi\,n_\delta\,n_\epsilon + \frac{4}{15}\,\mathcal{A}^{\delta\epsilon}{}_\beta\,n_\alpha\,n_\chi\,n_\delta\,n_\epsilon + \frac{4}{15}\,\mathcal{A}_\alpha{}^{\delta\epsilon}\,n_\beta\,n_\chi\,n_\delta\,n_\epsilon + \frac{4}{15}\,\mathcal{A}^{\delta\,\epsilon}{}_\alpha\,n_\beta\,n_\chi\,n_\delta\,n_\epsilon + \frac{4}{15}\,\mathcal{A}^{\delta\epsilon}{}_\alpha\,n_\beta\,n_\chi\,n_\delta\,n_\epsilon - \frac{1}{5}\,\mathcal{A}^{\delta\epsilon\phi}{}\,\eta_{\beta\chi}\,n_\alpha\,n_\delta\,n_\epsilon\,n_\phi - \frac{1}{5}\,\mathcal{A}^{\delta\epsilon\phi}{}\,\eta_{\alpha\chi}\,n_\beta\,n_\delta\,n_\epsilon\,n_\phi - \frac{1}{5}\,\mathcal{A}^{\delta\epsilon\phi}{}\,\eta_{\alpha\beta}\,n_\chi\,n_\delta\,n_\epsilon\,n_\phi - \frac{2}{5}\,\mathcal{A}^{\delta\epsilon\phi}{}\,n_\alpha\,n_\beta\,n_\chi\,n_\delta\,n_\epsilon\,n_\phi$	${}^{3^-}\!\mathcal{W}_{s}{}^{\parallel}_{\alpha\beta\chi}$