PSALTer results panel

$$S == \int\int\int\int \left(\frac{1}{6}\left(-4\,t_{.}^{}{}_{3}\;\mathcal{A}^{\alpha\,\prime}{}_{\alpha}\;\mathcal{A}_{\prime}{}^{\theta}{}_{\theta} + 6\;\mathcal{A}^{\alpha\beta\chi}\;\sigma_{\alpha\beta\chi} + 6\;f^{\alpha\beta}\;\tau\,(\Delta+\mathcal{K})_{\alpha\beta} + 8\,t_{.}^{}{}_{3}\;\mathcal{A}_{\alpha}{}^{\theta}{}_{\theta}\;\partial_{\prime}f^{\alpha\,\prime} - 12\,r_{.}^{}{}_{1}\;\partial_{\beta}\mathcal{A}_{\prime}{}^{\theta}{}_{\theta}\;\partial^{\prime}\mathcal{A}^{\alpha\beta}{}_{\alpha} + \right.\right.$$
$$12\,r_{.}^{}{}_{1}\;\partial_{\prime}\mathcal{A}_{\beta}{}^{\theta}{}_{\theta}\;\partial^{\prime}\mathcal{A}^{\alpha\beta}{}_{\alpha} - 8\,t_{.}^{}{}_{3}\;\mathcal{A}_{\prime}{}^{\theta}{}_{\theta}\;\partial^{\prime}f^{\alpha}{}_{\alpha} + 4\,t_{.}^{}{}_{3}\;\partial_{\prime}f^{\theta}{}_{\theta}\;\partial^{\prime}f^{\alpha}{}_{\alpha} + 12\,r_{.}^{}{}_{1}\;\partial_{\alpha}\mathcal{A}^{\alpha\beta\,\prime}\;\partial_{\theta}\mathcal{A}_{\beta}{}^{\theta}{}_{\prime} - 24\,r_{.}^{}{}_{1}\;\partial^{\prime}\mathcal{A}^{\alpha\beta}{}_{\alpha}\;\partial_{\theta}\mathcal{A}_{\beta}{}^{\theta}{}_{\prime} -$$
$$12\,r_{.}^{}{}_{1}\;\partial_{\alpha}\mathcal{A}^{\alpha\beta\,\prime}\;\partial_{\theta}\mathcal{A}_{\prime}{}^{\theta}{}_{\beta} + 24\,r_{.}^{}{}_{1}\;\partial^{\prime}\mathcal{A}^{\alpha\beta}{}_{\alpha}\;\partial_{\theta}\mathcal{A}_{\prime}{}^{\theta}{}_{\beta} + 4\,t_{.}^{}{}_{3}\;\partial_{\prime}f^{\alpha\,\prime}\;\partial_{\theta}f_{\alpha}{}^{\theta} - 8\,t_{.}^{}{}_{3}\;\partial^{\prime}f^{\alpha}{}_{\alpha}\;\partial_{\theta}f_{\prime}{}^{\theta} - 8\,r_{.}^{}{}_{1}\;\partial_{\beta}\mathcal{A}_{\alpha\,\prime\,\theta}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} +$$
$$8\,r_{.}^{}{}_{2}\;\partial_{\beta}\mathcal{A}_{\alpha\,\prime\,\theta}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} + 4\,r_{.}^{}{}_{1}\;\partial_{\beta}\mathcal{A}_{\alpha\theta\,\prime}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} - 4\,r_{.}^{}{}_{2}\;\partial_{\beta}\mathcal{A}_{\alpha\theta\,\prime}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} - 16\,r_{.}^{}{}_{1}\;\partial_{\beta}\mathcal{A}_{\prime\,\theta\alpha}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} + 4\,r_{.}^{}{}_{2}\;\partial_{\beta}\mathcal{A}_{\prime\,\theta\alpha}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} -$$
$$4\,r_{.}^{}{}_{1}\;\partial_{\prime}\mathcal{A}_{\alpha\beta\theta}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} - 2\,r_{.}^{}{}_{2}\;\partial_{\prime}\mathcal{A}_{\alpha\beta\theta}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} + 4\,r_{.}^{}{}_{1}\;\partial_{\theta}\mathcal{A}_{\alpha\beta\,\prime}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} + 2\,r_{.}^{}{}_{2}\;\partial_{\theta}\mathcal{A}_{\alpha\beta\,\prime}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} + 4\,r_{.}^{}{}_{1}\;\partial_{\theta}\mathcal{A}_{\alpha\,\prime\,\beta}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} -$$
$$4\,r_{.}^{}{}_{2}\;\partial_{\theta}\mathcal{A}_{\alpha\,\prime\,\beta}\;\partial^{\theta}\mathcal{A}^{\alpha\beta\,\prime} + 4\,t_{.}^{}{}_{2}\;\mathcal{A}_{\prime\,\theta\alpha}\;\partial^{\theta}f^{\alpha\,\prime} + 2\,t_{.}^{}{}_{2}\;\partial_{\alpha}f_{\prime\,\theta}\;\partial^{\theta}f^{\alpha\,\prime} - t_{.}^{}{}_{2}\;\partial_{\alpha}f_{\theta\,\prime}\;\partial^{\theta}f^{\alpha\,\prime} - t_{.}^{}{}_{2}\;\partial_{\prime}f_{\alpha\theta}\;\partial^{\theta}f^{\alpha\,\prime} + t_{.}^{}{}_{2}\;\partial_{\theta}f_{\alpha\,\prime}\;\partial^{\theta}f^{\alpha\,\prime} -$$
$$\left.\left.t_{.}^{}{}_{2}\;\partial_{\theta}f_{\prime\,\alpha}\;\partial^{\theta}f^{\alpha\,\prime} - 4\,t_{.}^{}{}_{2}\;\mathcal{A}_{\alpha\theta\,\prime}\;\left(\mathcal{A}^{\alpha\,\prime\,\theta} + \partial^{\theta}f^{\alpha\,\prime}\right) + 2\,t_{.}^{}{}_{2}\;\mathcal{A}_{\alpha\,\prime\,\theta}\;\left(\mathcal{A}^{\alpha\,\prime\,\theta} + 2\,\partial^{\theta}f^{\alpha\,\prime}\right)\right)\right)[t,\,x,\,y,\,z]\,dz\,dy\,dx\,dt$$

Wave operator

	$\overset{0^+}{\cdot}\mathcal{A}^{\parallel}$	$\overset{0^+}{\cdot}f^{\parallel}$	$\overset{0^+}{\cdot}f^{\perp}$	$\overset{0^-}{\cdot}\mathcal{A}^{\parallel}$
$\overset{0^+}{\cdot}\mathcal{A}^{\parallel}\,\dagger$	$t_{.}^{}{}_{3}$	$-i\,\sqrt{2}\;k\,t_{.}^{}{}_{3}$	0	0
$\overset{0^+}{\cdot}f^{\parallel}\,\dagger$	$i\,\sqrt{2}\;k\,t_{.}^{}{}_{3}$	$2\,k^2\,t_{.}^{}{}_{3}$	0	0
$\overset{0^+}{\cdot}f^{\perp}\,\dagger$	0	0	0	0
$\overset{0^-}{\cdot}\mathcal{A}^{\parallel}\,\dagger$	0	0	0	$k^2\,r_{.}^{}{}_{2} + t_{.}^{}{}_{2}$

	$\overset{1^+}{\cdot}\mathcal{A}^{\parallel}{}_{\alpha\beta}$	$\overset{1^+}{\cdot}\mathcal{A}^{\perp}{}_{\alpha\beta}$	$\overset{1^+}{\cdot}f^{\parallel}{}_{\alpha\beta}$	$\overset{1^-}{\cdot}\mathcal{A}^{\parallel}{}_{\alpha}$	$\overset{1^-}{\cdot}\mathcal{A}^{\perp}{}_{\alpha}$	$\overset{1^-}{\cdot}f^{\parallel}{}_{\alpha}$	$\overset{1^-}{\cdot}f^{\perp}{}_{\alpha}$
$\overset{1^+}{\cdot}\mathcal{A}^{\parallel}\,\dagger^{\alpha\beta}$	$\frac{2\,t_{.}^{}{}_{2}}{3}$	$\frac{\sqrt{2}\;t_{.}^{}{}_{2}}{3}$	$\frac{1}{3}\,i\,\sqrt{2}\;k\,t_{.}^{}{}_{2}$	0	0	0	0
$\overset{1^+}{\cdot}\mathcal{A}^{\perp}\,\dagger^{\alpha\beta}$	$\frac{\sqrt{2}\;t_{.}^{}{}_{2}}{3}$	$\frac{t_{.}^{}{}_{2}}{3}$	$\frac{i\,k\,t_{.}^{}{}_{2}}{3}$	0	0	0	0
$\overset{1^+}{\cdot}f^{\parallel}\,\dagger^{\alpha\beta}$	$-\frac{1}{3}\,i\,\sqrt{2}\;k\,t_{.}^{}{}_{2}$	$-\frac{1}{3}\,i\,k\,t_{.}^{}{}_{2}$	$\frac{k^2\,t_{.}^{}{}_{2}}{3}$	0	0	0	0
$\overset{1^-}{\cdot}\mathcal{A}^{\parallel}\,\dagger^{\alpha}$	0	0	0	$-k^2\,r_{.}^{}{}_{1} + \frac{2\,t_{.}^{}{}_{3}}{3}$	$-\frac{\sqrt{2}\;t_{.}^{}{}_{3}}{3}$	0	$-\frac{2}{3}\,i\,k\,t_{.}^{}{}_{3}$
$\overset{1^-}{\cdot}\mathcal{A}^{\perp}\,\dagger^{\alpha}$	0	0	0	$-\frac{\sqrt{2}\;t_{.}^{}{}_{3}}{3}$	$\frac{t_{.}^{}{}_{3}}{3}$	0	$\frac{1}{3}\,i\,\sqrt{2}\;k\,t_{.}^{}{}_{3}$
$\overset{1^-}{\cdot}f^{\parallel}\,\dagger^{\alpha}$	0	0	0	0	0	0	0
$\overset{1^-}{\cdot}f^{\perp}\,\dagger^{\alpha}$	0	0	0	$\frac{2\,i\,k\,t_{.}^{}{}_{3}}{3}$	$-\frac{1}{3}\,i\,\sqrt{2}\;k\,t_{.}^{}{}_{3}$	0	$\frac{2\,k^2\,t_{.}^{}{}_{3}}{3}$

	$\overset{2^+}{\cdot}\mathcal{A}^{\parallel}{}_{\alpha\beta}$	$\overset{2^+}{\cdot}f^{\parallel}{}_{\alpha\beta}$	$\overset{2^-}{\cdot}\mathcal{A}^{\parallel}{}_{\alpha\beta\chi}$
$\overset{2^+}{\cdot}\mathcal{A}^{\parallel}\,\dagger^{\alpha\beta}$	0	0	0
$\overset{2^+}{\cdot}f^{\parallel}\,\dagger^{\alpha\beta}$	0	0	0
$\overset{2^-}{\cdot}\mathcal{A}^{\parallel}\,\dagger^{\alpha\beta\chi}$	0	0	$k^2\,r_{.}^{}{}_{1}$

Saturated propagator

	$\overset{0^+}{\cdot}\sigma^{\parallel}$	$\overset{0^+}{\cdot}\tau^{\parallel}$	$\overset{0^+}{\cdot}\tau^{\perp}$	$\overset{0^-}{\cdot}\sigma^{\parallel}$
$\overset{0^+}{\cdot}\sigma^{\parallel}\,\dagger$	$\frac{1}{\left(1+2\,k^2\right)^2\,t_{.}^{}{}_{3}}$	$-\frac{i\,\sqrt{2}\;k}{\left(1+2\,k^2\right)^2\,t_{.}^{}{}_{3}}$	0	0
$\overset{0^+}{\cdot}\tau^{\parallel}\,\dagger$	$\frac{i\,\sqrt{2}\;k}{\left(1+2\,k^2\right)^2\,t_{.}^{}{}_{3}}$	$\frac{2\,k^2}{\left(1+2\,k^2\right)^2\,t_{.}^{}{}_{3}}$	0	0
$\overset{0^+}{\cdot}\tau^{\perp}\,\dagger$	0	0	0	0
$\overset{0^-}{\cdot}\sigma^{\parallel}\,\dagger$	0	0	0	$\frac{1}{k^2\,r_{.}^{}{}_{2} + t_{.}^{}{}_{2}}$

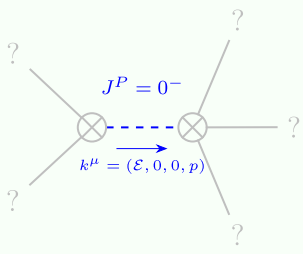
	$\overset{1^+}{\cdot}\sigma^{\parallel}{}_{\alpha\beta}$	$\overset{1^+}{\cdot}\sigma^{\perp}{}_{\alpha\beta}$	$\overset{1^+}{\cdot}\tau^{\parallel}{}_{\alpha\beta}$	$\overset{1^-}{\cdot}\sigma^{\parallel}{}_{\alpha}$	$\overset{1^-}{\cdot}\sigma^{\perp}{}_{\alpha}$	$\overset{1^-}{\cdot}\tau^{\parallel}{}_{\alpha}$	$\overset{1^-}{\cdot}\tau^{\perp}{}_{\alpha}$
$\overset{1^+}{\cdot}\sigma^{\parallel}\,\dagger^{\alpha\beta}$	$\frac{6}{\left(3+k^2\right)^2\,t_{.}^{}{}_{2}}$	$\frac{3\,\sqrt{2}}{\left(3+k^2\right)^2\,t_{.}^{}{}_{2}}$	$\frac{3\,i\,\sqrt{2}\;k}{\left(3+k^2\right)^2\,t_{.}^{}{}_{2}}$	0	0	0	0
$\overset{1^+}{\cdot}\sigma^{\perp}\,\dagger^{\alpha\beta}$	$\frac{3\,\sqrt{2}}{\left(3+k^2\right)^2\,t_{.}^{}{}_{2}}$	$\frac{3}{\left(3+k^2\right)^2\,t_{.}^{}{}_{2}}$	$\frac{3\,i\,k}{\left(3+k^2\right)^2\,t_{.}^{}{}_{2}}$	0	0	0	0
$\overset{1^+}{\cdot}\tau^{\parallel}\,\dagger^{\alpha\beta}$	$-\frac{3\,i\,\sqrt{2}\;k}{\left(3+k^2\right)^2\,t_{.}^{}{}_{2}}$	$-\frac{3\,i\,k}{\left(3+k^2\right)^2\,t_{.}^{}{}_{2}}$	$\frac{3\,k^2}{\left(3+k^2\right)^2\,t_{.}^{}{}_{2}}$	0	0	0	0
$\overset{1^-}{\cdot}\sigma^{\parallel}\,\dagger^{\alpha}$	0	0	0	$-\frac{1}{k^2\,r_{.}^{}{}_{1}}$	$-\frac{\sqrt{2}}{k^2\,r_{.}^{}{}_{1} + 2\,k^4\,r_{.}^{}{}_{1}}$	0	$-\frac{2\,i}{k\,r_{.}^{}{}_{1} + 2\,k^3\,r_{.}^{}{}_{1}}$
$\overset{1^-}{\cdot}\sigma^{\perp}\,\dagger^{\alpha}$	0	0	0	$-\frac{\sqrt{2}}{k^2\,r_{.}^{}{}_{1} + 2\,k^4\,r_{.}^{}{}_{1}}$	$\frac{3\,k^2\,r_{.}^{}{}_{1} - 2\,t_{.}^{}{}_{3}}{\left(k+2\,k^3\right)^2\,r_{.}^{}{}_{1}\,t_{.}^{}{}_{3}}$	0	$\frac{i\,\sqrt{2}\,\left(3\,k^2\,r_{.}^{}{}_{1} - 2\,t_{.}^{}{}_{3}\right)}{k\left(1+2\,k^2\right)^2\,r_{.}^{}{}_{1}\,t_{.}^{}{}_{3}}$
$\overset{1^-}{\cdot}\tau^{\parallel}\,\dagger^{\alpha}$	0	0	0	0	0	0	0
$\overset{1^-}{\cdot}\tau^{\perp}\,\dagger^{\alpha}$	0	0	0	$\frac{2\,i}{k\,r_{.}^{}{}_{1} + 2\,k^3\,r_{.}^{}{}_{1}}$	$-\frac{i\,\sqrt{2}\,\left(3\,k^2\,r_{.}^{}{}_{1} - 2\,t_{.}^{}{}_{3}\right)}{k\left(1+2\,k^2\right)^2\,r_{.}^{}{}_{1}\,t_{.}^{}{}_{3}}$	0	$\frac{6\,k^2\,r_{.}^{}{}_{1} - 4\,t_{.}^{}{}_{3}}{\left(1+2\,k^2\right)^2\,r_{.}^{}{}_{1}\,t_{.}^{}{}_{3}}$

	$\overset{2^+}{\cdot}\sigma^{\parallel}{}_{\alpha\beta}$	$\overset{2^+}{\cdot}\tau^{\parallel}{}_{\alpha\beta}$	$\overset{2^-}{\cdot}\sigma^{\parallel}{}_{\alpha\beta\chi}$
$\overset{2^+}{\cdot}\sigma^{\parallel}\,\dagger^{\alpha\beta}$	0	0	0
$\overset{2^+}{\cdot}\tau^{\parallel}\,\dagger^{\alpha\beta}$	0	0	0
$\overset{2^-}{\cdot}\sigma^{\parallel}\,\dagger^{\alpha\beta\chi}$	0	0	$\frac{1}{k^2\,r_{.}^{}{}_{1}}$

Source constraints

Spin-parity form	Covariant form	Multiplicities
$\overset{0^+}{\cdot}\tau^{\perp} == 0$	$\partial_{\beta}\partial_{\alpha}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} == 0$	1
$-2\,i\,k\;\overset{0^+}{\cdot}\sigma^{\parallel} + \overset{0^+}{\cdot}\tau^{\parallel} == 0$	$\partial_{\beta}\partial_{\alpha}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} == \partial_{\beta}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha}{}_{\alpha} + 2\,\partial_{\chi}\partial^{\chi}\partial_{\beta}\sigma^{\alpha\;\;\beta}_{\;\;\alpha}$	1
$2\,i\,k\;\overset{1^-}{\cdot}\sigma^{\perp\,\alpha} + \overset{1^-}{\cdot}\tau^{\perp\,\alpha} == 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} == \partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}$	3
$\overset{1^-}{\cdot}\tau^{\parallel\,\alpha} == 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} == \partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\,(\Delta+\mathcal{K})^{\beta\alpha}$	3
$i\,k\;\overset{1^+}{\cdot}\sigma^{\parallel\,\alpha\beta} + \overset{1^+}{\cdot}\tau^{\parallel\,\alpha\beta} == 0$	$\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + \partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi} ==$ $\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\beta} + \partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha\chi} + \partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\beta\alpha} + \partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi}$	3
$\overset{1^+}{\cdot}\sigma^{\parallel\,\alpha\beta} == \overset{1^+}{\cdot}\sigma^{\perp\,\alpha\beta}$	$3\,\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi} + 2\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} == 3\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi}$	3
$\overset{2^+}{\cdot}\tau^{\parallel\,\alpha\beta} == 0$	$4\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\delta} + 2\,\partial_{\delta}\partial^{\delta}\partial^{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi}{}_{\chi} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} +$ $3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} + 2\;\eta^{\alpha\beta}\;\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial_{\chi}\tau\,(\Delta+\mathcal{K})^{\chi\delta} == 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} +$ $3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\chi\alpha} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha\chi} + 2\;\eta^{\alpha\beta}\;\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\tau\,(\Delta+\mathcal{K})^{\chi}{}_{\chi}$	5
$\overset{2^+}{\cdot}\sigma^{\parallel\,\alpha\beta} == 0$	$3\,\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + 3\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + 2\;\eta^{\alpha\beta}\;\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\sigma^{\chi}{}_{\chi}^{\;\;\delta} == 2\,\partial_{\delta}\partial^{\beta}\partial^{\alpha}\sigma^{\chi}{}_{\chi}^{\;\;\delta} + 3\left(\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi}\right)$	5
Total expected gauge generators:		24

Massive spectrum



Massive particle

Pole residue:	$-\frac{1}{r_{.}^{}{}_{2}} > 0$
Square mass:	$-\frac{t_{.}^{}{}_{2}}{r_{.}^{}{}_{2}} > 0$
Spin:	0
Parity:	Odd

Massless spectrum

(No particles)

Unitarity conditions

$r_{.}^{}{}_{2} < 0\;\&\&\;t_{.}^{}{}_{2} > 0$