## $\iiint \left(\frac{1}{6}\left(6\ \mathcal{R}^{\alpha\beta\chi}\ \sigma_{\alpha\beta\chi} + 6\ f^{\alpha\beta}\ \tau\left(\Delta + \mathcal{K}\right)_{\alpha\beta} + 12\ r_{1}\ \partial_{\beta}\mathcal{R}_{i\ \theta}^{\ \theta}\ \partial^{i}\mathcal{R}^{\alpha\beta}_{\ \alpha} - 24\ r_{3}\ \partial_{\beta}\mathcal{R}_{i\ \theta}^{\ \theta}\ \partial^{i}\mathcal{R}^{\alpha\beta}_{\ \alpha} + 12\ r_{1}\ \partial_{i}\mathcal{R}_{\beta\ \theta}^{\ \theta}\ \partial^{i}\mathcal{R}^{\alpha\beta}_{\ \alpha} + 12\ r_{3}\ \partial_{\beta}\mathcal{R}_{\beta\ \theta}^{\ \theta}\ \partial^{i}\mathcal{R}^{\alpha\beta}_{\ \alpha} + 12\ r_{4}\ \partial_{\beta}\mathcal{R}_{\beta\ \theta}^{\ \theta}\ \partial^{i}\mathcal{R}^{\alpha\beta}_{\ \alpha} + 12\ r_{5}\ \partial_{\beta}\mathcal{R}_{\beta\ \theta}^{\ \alpha}\ \partial^{i}\mathcal{R}^{\alpha\beta}_{\ \alpha} + 12\ r_{5}\ \partial_{\beta}\mathcal{R}_{\beta\ \theta}^{\ \alpha}\ \partial^{i}\mathcal{R}^{\alpha\beta}_{\ \alpha} + 12\ r_{5}\ \partial_{\beta}\mathcal{R}_{\beta\ \theta}^{\ \alpha}\ \partial^{i}\mathcal{R}^{\alpha\beta}_{\ \alpha} + 12\ r_{5}\ \partial_{\beta}\mathcal{R}_{\beta\ \theta}^{\ \alpha}$ $\partial_{\alpha}\mathcal{R}^{\alpha\beta\prime}\,\partial_{\theta}\mathcal{R}_{\beta\phantom{\beta}\prime}^{\phantom{\beta}\theta\phantom{\beta}}-24r_{.}\,\partial^{\prime}\mathcal{R}^{\alpha\beta}_{\phantom{\alpha}\alpha}\,\partial_{\theta}\mathcal{R}_{\beta\phantom{\beta}\prime}^{\phantom{\beta}\theta\phantom{\beta}}+12r_{.}\,\partial_{\alpha}\mathcal{R}^{\alpha\beta\prime}\,\partial_{\theta}\mathcal{R}_{\prime\phantom{\beta}\beta\phantom{\beta}}^{\phantom{\beta}\theta\phantom{\beta}}-24r_{.}\,\partial_{\alpha}\mathcal{R}^{\alpha\beta\prime}\,\partial_{\theta}\mathcal{R}_{\prime\phantom{\beta}\beta\phantom{\beta}}^{\phantom{\beta}\theta\phantom{\beta}}$ $24r_{1}\partial^{i}\mathcal{R}^{\alpha\beta}_{\phantom{\alpha\beta}\alpha}\partial_{\theta}\mathcal{R}^{\phantom{\beta}\beta}_{\phantom{\beta}\beta}+48r_{3}\partial^{i}\mathcal{R}^{\alpha\beta}_{\phantom{\alpha\beta}\alpha}\partial_{\theta}\mathcal{R}^{\phantom{\beta}\beta}_{\phantom{\beta}\alpha}-8r_{1}\partial_{\beta}\mathcal{R}_{\alpha\imath\theta}\partial^{\theta}\mathcal{R}^{\alpha\beta\imath}+8r_{2}\partial_{\beta}\mathcal{R}_{\alpha\imath\theta}\partial^{\theta}\mathcal{R}^{\alpha\beta\imath}+8r_{3}\partial_{\beta}\mathcal{R}^{\phantom{\beta}\alpha\beta}_{\phantom{\alpha\beta}\alpha}\partial_{\alpha\beta}\partial$ $4r_{1}\partial_{\beta}\mathcal{A}_{\alpha\theta_{i}}\partial^{\theta}\mathcal{A}^{\alpha\beta_{i}}-4r_{2}\partial_{\beta}\mathcal{A}_{\alpha\theta_{i}}\partial^{\theta}\mathcal{A}^{\alpha\beta_{i}}+8r_{1}\partial_{\beta}\mathcal{A}_{_{i}\theta\alpha}\partial^{\theta}\mathcal{A}^{\alpha\beta_{i}}+4r_{2}\partial_{\beta}\mathcal{A}_{_{i}\theta\alpha}\partial^{\theta}\mathcal{A}^{\alpha\beta_{i}}$ $24r_{\overset{\cdot}{3}}\partial_{\beta}\mathcal{A}_{_{I}\theta\alpha}\partial^{\theta}\mathcal{R}^{\alpha\beta\imath}-4r_{\overset{\cdot}{1}}\partial_{\imath}\mathcal{A}_{_{\alpha\beta\theta}}\partial^{\theta}\mathcal{R}^{\alpha\beta\imath}-2r_{\overset{\cdot}{2}}\partial_{\imath}\mathcal{A}_{_{\alpha\beta\theta}}\partial^{\theta}\mathcal{R}^{\alpha\beta\imath}+4r_{\overset{\cdot}{1}}\partial_{\theta}\mathcal{A}_{_{\alpha\beta\imath}}\partial^{\theta}\mathcal{R}^{\alpha\beta\imath}+$ $2\,r.\,\partial_\theta\mathcal{R}_{\alpha\beta\iota}\,\partial^\theta\mathcal{R}^{\alpha\beta\iota} + 4\,r.\,\partial_\theta\mathcal{R}_{\alpha\iota\beta}\,\partial^\theta\mathcal{R}^{\alpha\beta\iota} - 4\,r.\,\partial_\theta\mathcal{R}_{\alpha\iota\beta}\,\partial^\theta\mathcal{R}^{\alpha\beta\iota} + 4\,t.\,\,\mathcal{R}_{\iota\theta\alpha}\,\partial^\theta f^{\alpha\iota} + 2\,r.\,\partial_\theta\mathcal{R}_{\alpha\beta\iota}\,\partial^\theta\mathcal{R}^{\alpha\beta\iota} + 4\,r.\,\partial_\theta\mathcal{R}_{\alpha\beta\iota}\,\partial^\theta\mathcal{R}^{\alpha\beta\iota} + 4\,r.\,\partial_\theta\mathcal{R}_{\alpha\beta\iota} + 4\,r.\,\partial_\theta\mathcal{R}_{\alpha\beta\iota}\,\partial^\theta\mathcal{R}_{\alpha\beta\iota} + 4\,r.\,\partial_\theta\mathcal{R}_{\alpha\beta\iota} + 4\,r.\,\partial_\theta\mathcal{R}$ $2\,t_{.}\,\partial_{\alpha}f_{\,_{!}\theta}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\alpha}f_{\,_{\theta_{!}}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{_{!}}f_{\,_{\alpha\theta}}\,\partial^{\theta}f^{\alpha_{!}}\,+\,t_{.}\,\partial_{\theta}f_{\,_{\alpha_{!}}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f_{\,_{|\alpha}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial_{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^{\alpha_{!}}\,-\,t_{.}\,\partial^{\theta}f^{\alpha_{!}}\,\partial^{\theta}f^$ $4t. \,\, \mathcal{A}_{\alpha\theta\iota} \,\, (\,\mathcal{A}^{\alpha\iota\theta} + \partial^\theta f^{\alpha\iota}) + 2t. \,\, \mathcal{A}_{\alpha\iota\theta} \,\, (\,\mathcal{A}^{\alpha\iota\theta} + 2\,\partial^\theta f^{\alpha\iota})))[t,\,x,\,y,\,z] \, \mathrm{d}z \,\mathrm{d}y \,\mathrm{d}x \,\mathrm{d}t$ Wave operator 0 $0.^{+}f^{\perp}$ † 0

 $1^+ \mathcal{H}^{\perp}_{\alpha\beta} \quad 1^+ f^{\parallel}_{\alpha\beta}$ 

 ${}^{1}\mathcal{A}^{\parallel}{}_{\alpha}{}^{1}\mathcal{A}^{\perp}{}_{\alpha}{}^{1}f^{\parallel}{}_{\alpha}{}^{1}f^{\perp}{}_{\alpha}$ 

0

0

0

0

0

0

0

0

0

0

0

 $^{2^{+}}\mathcal{A}^{\parallel}\dagger^{\alpha\beta}$ 

 $^{2^+}f^{\parallel}\dagger^{\alpha\beta}$ 

 $2^{-}\mathcal{A}^{\parallel} + \alpha^{\alpha\beta\chi}$ 

 $|2^+\sigma^{\parallel}_{\alpha\beta}|_{\alpha\beta}|2^+\tau^{\parallel}_{\alpha\beta}|2^-\sigma^{\parallel}_{\alpha\beta\chi}|$ 

0

5

5

 $^{2^{+}}\tau^{\parallel}\uparrow^{lphaeta}$ 

 $2^{+}\mathcal{A}\|_{\alpha\beta}^{2^{+}}f\|_{\alpha\beta}^{2^{-}}\mathcal{A}\|_{\alpha\beta\chi}^{2^{-}}$ 

0

0  $\frac{1}{k^2}r$ 

### $1 + f^{\parallel} + \frac{\alpha \beta}{3} = \frac{1}{3} i \sqrt{2} kt. - \frac{1}{3} i kt.$ $^{1}\mathcal{A}^{\parallel}\dagger^{\alpha}$ $^{1}\mathcal{A}^{\scriptscriptstyle \perp}\! +^{^{lpha}}$

<sup>0</sup>-A<sup>||</sup>†

 $0.^{+}\sigma^{\parallel}$  †

 $0.^{+} \tau^{\parallel} +$ 

 $0.^{+}\tau^{\perp}$  †

<sup>0-</sup>σ<sup>||</sup> †

0

0

 $^{1}$   $\tau^{\parallel}$   $+^{\alpha}$ 

 $k^2 r. + t.$ 

 $^{1\overset{+}{.}}\mathcal{A}^{\scriptscriptstyle\perp}\,\dagger^{^{lphaeta}}$ 

0

**PSALTer results panel** 

Saturated propagator 0  $1.^+\sigma^{\perp}_{\alpha\beta}$  $1^+ \tau^{\parallel}{}_{\alpha\beta} \quad 1^- \sigma^{\parallel}{}_{\alpha} \quad 1^- \sigma^{\perp}{}_{\alpha} \quad 1^- \tau^{\parallel}{}_{\alpha}$  $\frac{6}{(3+k^2)^2 t_{.}} \quad \frac{3\sqrt{2}}{(3+k^2)^2 t_{.}} \quad \frac{3i\sqrt{2}k}{(3+k^2)^2 t_{.}}$  $1^{+} \sigma^{\perp} + \frac{3\sqrt{2}}{(3+k^{2})^{2} t_{2}} = \frac{3}{(3+k^{2})^{2} t_{2}} = \frac{3ik}{(3+k^{2})^{2} t_{2}}$  $1^{+}_{7} \parallel +^{\alpha \beta} = \frac{3i \sqrt{2} k}{(3+k^{2})^{2} t} = \frac{3ik}{(3+k^{2})^{2} t} = \frac{3k^{2}}{(3+k^{2})^{2} t}$ 

0

0

0

0

0

0

0

 $\frac{2}{3}\sigma^{\parallel} + \alpha^{\alpha\beta\chi}$  $\frac{1}{k^2 r}$ Source constraints Spin-parity form Covariant form Multiplicities  $0^+_{\cdot} \tau^{\perp} == 0$ xAct`xTensor`Private`Reconstruct[ Symmetry[4,  $-\partial^{\bullet 2}\partial^{\bullet 1}\tau(\Delta + \mathcal{K})^{\bullet 3\bullet 4}$ ,  $\{\bullet 1 \rightarrow a, \bullet 2 \rightarrow b, \bullet 3 \rightarrow -a, \bullet 4 \rightarrow -b\}$ , StrongGenSet[{1, 2}, GenSet[(1,2)]],  $\{1, \{a, -a, b, -b\}[[\{1, 3, 5, 2\}]]\}\} == 0$  $0.^{+}\tau^{\parallel} == 0$  $\partial_{\beta}\partial_{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\beta} == \partial_{\beta}\partial^{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha}_{\alpha}$  $\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\left(\Delta\!+\!\mathcal{K}\right)^{\beta\chi}==\partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\left(\Delta\!+\!\mathcal{K}\right)^{\alpha\beta}$  $1 \tau^{\perp} = 0$ 3  $\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi}==\partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha}$  $\frac{1}{1}\tau^{\parallel^{\alpha}}=0$ 3  $\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}==0$  $1 \sigma^{\perp} = 0$ 3  $\overline{\|k\|_{L^{+}\mathcal{O}}^{+}\|^{\alpha\beta}} = 0 \left| \partial_{\chi}\partial^{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\beta} + \partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi} = 0 \right| \partial_{\chi}\partial^{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\beta} + \partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi} = 0$  $\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\beta}+\partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha}+\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta}+\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi}$  $1^+_{\cdot}\sigma^{\parallel}{}^{\alpha\beta} = 1^+_{\cdot}\sigma^{\perp}{}^{\alpha\beta}$  $3\,\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi} + 2\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} == 3\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi}$ 3

 $4\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\delta} + 2\,\partial_{\delta}\partial^{\delta}\partial^{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi}_{\phantom{\chi}\chi} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\delta}\partial_{\gamma}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\delta}\partial^{\alpha}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\alpha}\partial^{\alpha}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\alpha}\partial^{\alpha}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\alpha}\partial^{\alpha}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\alpha}\partial^{\alpha}\sigma\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\alpha}\sigma\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\alpha}\partial^{\alpha}\sigma\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\alpha}\sigma\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\alpha}\sigma\,(\Delta+$ 

 $3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\beta} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha\chi} + \\$ 

 $3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\beta\alpha} + 2\,\,\eta^{\alpha\beta}\,\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial_{\chi}\tau\,(\Delta+\mathcal{K})^{\chi\delta} ==$ 

 $3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\chi\alpha} + 2\,\,\eta^{\alpha\beta}\,\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\tau\,(\Delta+\mathcal{K})^{\chi}_{\phantom{\chi}\chi}$ 

 $3\,\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + 3\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + 2\,\eta^{\alpha\beta}\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\sigma^{\chi}_{\chi}^{\delta} =$ 

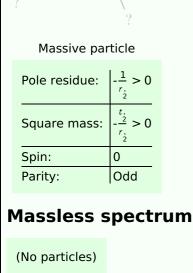
 $2\,\partial_\delta\partial^\beta\partial^\alpha\sigma_\chi^{\chi}{}^\delta + 3\,(\partial_\delta\partial^\delta\partial_\chi\sigma^{\alpha\beta\chi} + \partial_\delta\partial^\delta\partial_\chi\sigma^{\beta\alpha\chi})$ 

Massive spectrum

Total expected gauge generators:

 $2^+_{.\tau}\|^{\alpha\beta}=0$ 

 $2^+_{\cdot}\sigma^{\parallel^{\alpha\beta}}=0$ 



## Unitarity conditions

# r. < 0 && t. > 0