

 $0 \quad \frac{1}{3} i \sqrt{2} k t_{3}$

 $-\frac{1}{3} i \sqrt{2} kt_{\bullet} 0$

0

 $\begin{array}{ccc}
2^{+} \mathcal{A}^{\parallel} + & \alpha \beta \\
2^{+} f^{\parallel} + & \alpha \beta
\end{array}$

 ${}^{2^{-}}_{\bullet}\mathcal{A}^{\parallel}\uparrow^{lphaeta\chi}$

0

0

2 *i*

 $\frac{-kr_{1}+2k^{3}r_{1}}{i\sqrt{2}\left(3k^{2}r_{1}-2t_{3}\right)}$

24

0 $k^2 r.$

 $8t. \mathcal{A}_{\beta}^{\theta} \partial_{\beta}^{\prime} f^{\alpha}_{\alpha} + 4t. \partial_{\beta}^{\theta} \partial_{\beta}^{\prime} f^{\alpha}_{\alpha} + 12r. \partial_{\alpha} \mathcal{A}^{\alpha\beta} \partial_{\theta} \mathcal{A}_{\beta}^{\theta} - 24r. \partial_{\beta}^{\prime} \mathcal{A}^{\alpha\beta}_{\alpha} \partial_{\theta} \mathcal{A}_{\beta}^{\theta} - 12r. \partial_{\alpha} \mathcal{A}^{\alpha\beta} \partial_{\theta} \mathcal{A}_{\beta}^{\theta} + 24r. \partial_{\alpha}^{\prime} \mathcal{A}^{\alpha\beta}_{\alpha} \partial_{\alpha}^{\prime} \partial_{\alpha}^$

 $4t. \frac{\partial_{i}f^{\alpha i}}{3} \frac{\partial_{\theta}f^{\alpha i}}{\alpha} \frac{\partial_{\theta}f^{\alpha i}}{\alpha} \frac{\partial_{\theta}f^{\alpha i}}{\alpha} \frac{\partial_{\theta}f^{\alpha i}}{\alpha} \frac{\partial_{\theta}f^{\alpha i}}{\alpha} \frac{\partial_{\theta}\mathcal{A}^{\alpha i}}{\alpha} \frac{\partial_{\theta}\mathcal{A}^$

 $\mathcal{S} == \iiint \left(\frac{1}{6} \left(-4\,t_{_3}^{.}\,\,\mathcal{R}^{\alpha_{_1}}_{\phantom{\alpha_{_1}}\phantom{\alpha_{_2}}}\,\,\mathcal{R}^{\phantom{\alpha_{_1}}\phantom{\alpha_{_2}}}_{\phantom{\alpha_{_1}}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}+6\,\,\mathcal{R}^{\alpha\beta_{_1}}\phantom{\alpha_{_2}}\,\,\sigma_{\alpha\beta_{_1}}\phantom{\alpha_{_2}}+8\,t_{_3}^{.}\,\,\mathcal{R}^{\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}}_{\phantom{\alpha_{_1}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}}+12\,r_{_1}^{.}\,\partial_{_{1}}\mathcal{R}^{\phantom{\alpha_{_2}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}}}_{\phantom{\alpha_{_1}\phantom{\alpha_{_2}\phantom{\alpha_{_2}\phantom{\alpha_{_2}}\phantom{\alpha_{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha_{_2}\phantom{\alpha_{_2}\phantom{\alpha_{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha__{_2}\phantom{\alpha$

 $(1+2 k^2)^2 t$. $(1+2 k^2)^2 t$.

 ${\stackrel{0^+}{\cdot}} \tau^\perp \dagger$

 ${\stackrel{\scriptscriptstyle{0}^{-}}{\cdot}}\sigma^{\parallel}$ †

 ${}^{1^{\text{-}}}_{\boldsymbol{\cdot}}\mathcal{A}^{\parallel}\,\dagger^{\alpha}$

 $^{1}_{\bullet}\mathcal{A}^{\perp}\dagger^{\alpha}$

 $f^{-}f^{\parallel}$

 $\frac{1}{\cdot}f^{\perp}\uparrow^{\alpha}$

 $^{1^{+}}\sigma^{\parallel}_{\alpha\underline{\beta}}$

 $\stackrel{1^{-}}{\cdot}\sigma^{\parallel}\uparrow^{\alpha}$

 $^{1^{-}}\sigma^{\perp}$ $^{+}$

 $^{1^{+}}_{\bullet}\sigma^{\perp}{}_{\alpha\beta}$

 $(3+k^2)^2 t_2$ $(3+k^2)^2 t_2$ $(3+k^2)^2 t_2$

 $4\ \partial_{\delta}\partial_{\chi}\partial^{\beta}\partial^{\alpha}_{\tau}\left(\Delta+\mathcal{K}\right)^{\chi\delta}+2\ \partial_{\delta}\partial^{\delta}\partial^{\beta}\partial^{\alpha}_{\tau}\left(\Delta+\mathcal{K}\right)^{\chi}_{\chi}+3\ \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}_{\tau}\left(\Delta+\mathcal{K}\right)^{\alpha\beta}+$

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

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

 $(3+k^2)^2 t$, $(3+k^2)^2 t$,

 $\frac{1}{(3+k^2)^2} \frac{1}{t} = \frac{1}{(3+k^2)^2} \frac{1}{t}$

 $^{1^{+}}_{\bullet}\tau^{\parallel}_{\alpha\beta}$

 $| \cdot | \sigma^{\parallel} \alpha$

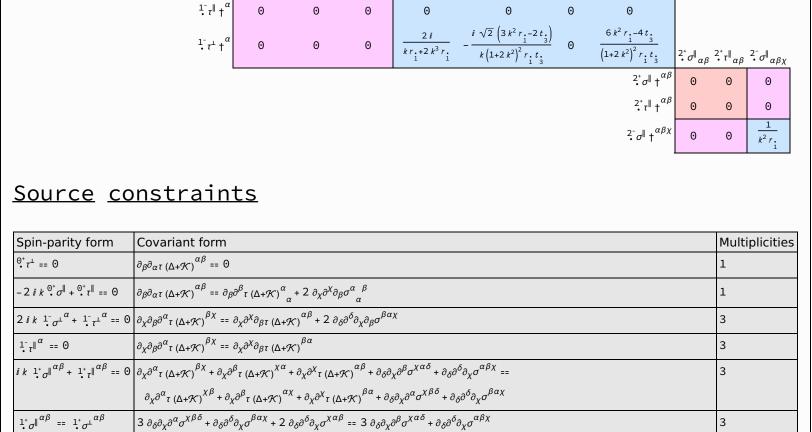
 $k^2 r_1 + 2 k^4 r_1$

0

 $\sqrt{2}$

 $\frac{1}{k^2 r_{\cdot} + 2} k^4 r_{\cdot}$

PSALTer results panel



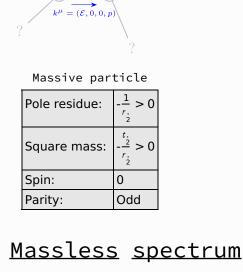
?

Total expected gauge generators:

<u>Massive</u> <u>spectrum</u>

 $2^+_{\bullet \tau} \parallel^{\alpha \beta} = 0$

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



(There are no massless particles)

(There are no massess parenete

<u>Gauge</u> <u>symmetries</u>

(Not yet implemented in PSALTer)

r. < 0 && t. > 0

2 2

Unitarity conditions

<u>Validity</u> <u>assumptions</u>

(Not yet implemented in PSALTer)