# PSALTer results panel

$$S == \int\int\int\int \left(\frac{1}{6}\left(-4\,t_{\cdot 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_{\cdot 3}\,\mathcal{A}_{\alpha}{}^{\theta}{}_{\theta}\,\partial_{\prime}f^{\alpha\prime} - 3\,r_{\cdot 3}\,\partial_{\beta}\mathcal{A}_{\prime}{}^{\theta}{}_{\theta}\,\partial^{\prime}\mathcal{A}^{\alpha\beta}{}_{\alpha} - 3\,r_{\cdot 3}\,\partial_{\prime}\mathcal{A}_{\beta}{}^{\theta}{}_{\theta}\,\partial^{\prime}\mathcal{A}^{\alpha\beta}{}_{\alpha} - 8\,t_{\cdot 3}\,\mathcal{A}_{\prime}{}^{\theta}{}_{\theta}\,\partial^{\prime}f^{\alpha}{}_{\alpha} + 4\,t_{\cdot 3}\,\partial_{\prime}f^{\theta}{}_{\theta}\,\partial^{\prime}f^{\alpha}{}_{\alpha} - 3\,r_{\cdot 3}\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\prime}\,\partial_{\theta}\mathcal{A}_{\beta}{}^{\theta}{}_{\prime} + 6\,r_{\cdot 3}\,\partial^{\prime}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\theta}\mathcal{A}_{\beta}{}^{\theta}{}_{\prime} - 3\,r_{\cdot 3}\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\prime}\,\partial_{\theta}\mathcal{A}_{\prime}{}^{\theta}{}_{\beta} + 6\,r_{\cdot 3}\,\partial^{\prime}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\theta}\mathcal{A}_{\prime}{}^{\theta}{}_{\beta} + 4\,t_{\cdot 3}\,\partial_{\prime}f^{\alpha\prime}\,\partial_{\theta}f_{\alpha}{}^{\theta} - 8\,t_{\cdot 3}\,\partial^{\prime}f^{\alpha}{}_{\alpha}\,\partial_{\theta}f_{\prime}{}^{\theta} + 8\,r_{\cdot 2}\,\partial_{\beta}\mathcal{A}_{\alpha\prime\theta}\,\partial^{\theta}\mathcal{A}^{\alpha\beta\prime} - 4\,r_{\cdot 2}\,\partial_{\beta}\mathcal{A}_{\alpha\theta\prime}\,\partial^{\theta}\mathcal{A}^{\alpha\beta\prime} + 4\,r_{\cdot 2}\,\partial_{\beta}\mathcal{A}_{\prime\theta\alpha}\,\partial^{\theta}\mathcal{A}^{\alpha\beta\prime} - 24\,r_{\cdot 3}\,\partial_{\beta}\mathcal{A}_{\prime\theta\alpha}\,\partial^{\theta}\mathcal{A}^{\alpha\beta\prime} - 2\,r_{\cdot 2}\,\partial_{\prime}\mathcal{A}_{\alpha\beta\theta}\,\partial^{\theta}\mathcal{A}^{\alpha\beta\prime} + 2\,r_{\cdot 2}\,\partial_{\theta}\mathcal{A}_{\alpha\beta\prime}\,\partial^{\theta}\mathcal{A}^{\alpha\beta\prime} - 4\,r_{\cdot 2}\,\partial_{\theta}\mathcal{A}_{\alpha\prime\beta}\,\partial^{\theta}\mathcal{A}^{\alpha\beta\prime} + 6\,r_{\cdot 5}\,\partial_{\prime}\mathcal{A}_{\theta}{}^{\kappa}{}_{\kappa}\,\partial^{\theta}\mathcal{A}^{\alpha\prime}{}_{\alpha} - 6\,r_{\cdot 5}\,\partial_{\theta}\mathcal{A}_{\prime}{}^{\kappa}{}_{\kappa}\,\partial^{\theta}\mathcal{A}^{\alpha\prime}{}_{\alpha} - 6\,r_{\cdot 5}\,\partial_{\alpha}\mathcal{A}^{\alpha\prime\theta}\,\partial_{\kappa}\mathcal{A}_{\prime}{}^{\kappa}{}_{\theta} + 12\,r_{\cdot 5}\,\partial^{\theta}\mathcal{A}^{\alpha\prime}{}_{\alpha}\,\partial_{\kappa}\mathcal{A}_{\prime}{}^{\kappa}{}_{\theta} + 6\,r_{\cdot 5}\,\partial_{\alpha}\mathcal{A}^{\alpha\prime\theta}\,\partial_{\kappa}\mathcal{A}_{\theta}{}^{\kappa}{}_{\prime} - 12\,r_{\cdot 5}\,\partial^{\theta}\mathcal{A}^{\alpha\prime}{}_{\alpha}\,\partial_{\kappa}\mathcal{A}_{\theta}{}^{\kappa}{}_{\prime}\right)\right)[t, x, y, z]\,dz\,dy\,dx\,dt$$

# Wave operator

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

| | $\overset{1^+}{\cdot}\mathcal{A}^{\parallel}{}_{\alpha\beta}$ | $\overset{1^+}{\cdot}\mathcal{A}^{\perp}{}_{\alpha\beta}$ | $\overset{1^+}{\cdot}f^{\parallel}{}_{\alpha\beta}$ | $\overset{1^-}{\cdot}\mathcal{A}^{\parallel}{}_{\alpha}$ | $\overset{1^-}{\cdot}\mathcal{A}^{\perp}{}_{\alpha}$ | $\overset{1^-}{\cdot}f^{\parallel}{}_{\alpha}$ | $\overset{1^-}{\cdot}f^{\perp}{}_{\alpha}$ |
|---|---|---|---|---|---|---|---|
| $\overset{1^+}{\cdot}\mathcal{A}^{\parallel}\,\dagger^{\alpha\beta}$ | $k^2\left(2\,r_{\cdot 3}+r_{\cdot 5}\right)$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ |
| $\overset{1^+}{\cdot}\mathcal{A}^{\perp}\,\dagger^{\alpha\beta}$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ |
| $\overset{1^+}{\cdot}f^{\parallel}\,\dagger^{\alpha\beta}$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ |
| $\overset{1^-}{\cdot}\mathcal{A}^{\parallel}\,\dagger^{\alpha}$ | $0$ | $0$ | $0$ | $k^2\left(\frac{r_{\cdot 3}}{2}+r_{\cdot 5}\right)+\frac{2\,t_{\cdot 3}}{3}$ | $-\frac{\sqrt{2}\,t_{\cdot 3}}{3}$ | $0$ | $-\frac{2}{3}\,i\,k\,t_{\cdot 3}$ |
| $\overset{1^-}{\cdot}\mathcal{A}^{\perp}\,\dagger^{\alpha}$ | $0$ | $0$ | $0$ | $-\frac{\sqrt{2}\,t_{\cdot 3}}{3}$ | $\frac{t_{\cdot 3}}{3}$ | $0$ | $\frac{1}{3}\,i\sqrt{2}\,k\,t_{\cdot 3}$ |
| $\overset{1^-}{\cdot}f^{\parallel}\,\dagger^{\alpha}$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ |
| $\overset{1^-}{\cdot}f^{\perp}\,\dagger^{\alpha}$ | $0$ | $0$ | $0$ | $\frac{2\,i\,k\,t_{\cdot 3}}{3}$ | $-\frac{1}{3}\,i\sqrt{2}\,k\,t_{\cdot 3}$ | $0$ | $\frac{2\,k^2\,t_{\cdot 3}}{3}$ |

| | $\overset{2^+}{\cdot}\mathcal{A}^{\parallel}{}_{\alpha\beta}$ | $\overset{2^+}{\cdot}f^{\parallel}{}_{\alpha\beta}$ | $\overset{2^-}{\cdot}\mathcal{A}^{\parallel}{}_{\alpha\beta\chi}$ |
|---|---|---|---|
| $\overset{2^+}{\cdot}\mathcal{A}^{\parallel}\,\dagger^{\alpha\beta}$ | $-\frac{3\,k^2\,r_{\cdot 3}}{2}$ | $0$ | $0$ |
| $\overset{2^+}{\cdot}f^{\parallel}\,\dagger^{\alpha\beta}$ | $0$ | $0$ | $0$ |
| $\overset{2^-}{\cdot}\mathcal{A}^{\parallel}\,\dagger^{\alpha\beta\chi}$ | $0$ | $0$ | $0$ |

# Saturated propagator

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

| | $\overset{1^+}{\cdot}\sigma^{\parallel}{}_{\alpha\beta}$ | $\overset{1^+}{\cdot}\sigma^{\perp}{}_{\alpha\beta}$ | $\overset{1^+}{\cdot}\tau^{\parallel}{}_{\alpha\beta}$ | $\overset{1^-}{\cdot}\sigma^{\parallel}{}_{\alpha}$ | $\overset{1^-}{\cdot}\sigma^{\perp}{}_{\alpha}$ | $\overset{1^-}{\cdot}\tau^{\parallel}{}_{\alpha}$ | $\overset{1^-}{\cdot}\tau^{\perp}{}_{\alpha}$ |
|---|---|---|---|---|---|---|---|
| $\overset{1^+}{\cdot}\sigma^{\parallel}\,\dagger^{\alpha\beta}$ | $\frac{1}{k^2\left(2\,r_{\cdot 3}+r_{\cdot 5}\right)}$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ |
| $\overset{1^+}{\cdot}\sigma^{\perp}\,\dagger^{\alpha\beta}$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ |
| $\overset{1^+}{\cdot}\tau^{\parallel}\,\dagger^{\alpha\beta}$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ |
| $\overset{1^-}{\cdot}\sigma^{\parallel}\,\dagger^{\alpha}$ | $0$ | $0$ | $0$ | $\frac{2}{k^2\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)}$ | $\frac{2\sqrt{2}}{k^2\left(1+2\,k^2\right)\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)}$ | $0$ | $\frac{4\,i}{k\left(1+2\,k^2\right)\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)}$ |
| $\overset{1^-}{\cdot}\sigma^{\perp}\,\dagger^{\alpha}$ | $0$ | $0$ | $0$ | $\frac{2\sqrt{2}}{k^2\left(1+2\,k^2\right)\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)}$ | $\frac{3\,k^2\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)+4\,t_{\cdot 3}}{\left(k+2\,k^3\right)^2\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)t_{\cdot 3}}$ | $0$ | $\frac{i\sqrt{2}\left(3\,k^2\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)+4\,t_{\cdot 3}\right)}{k\left(1+2\,k^2\right)^2\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)t_{\cdot 3}}$ |
| $\overset{1^-}{\cdot}\tau^{\parallel}\,\dagger^{\alpha}$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ | $0$ |
| $\overset{1^-}{\cdot}\tau^{\perp}\,\dagger^{\alpha}$ | $0$ | $0$ | $0$ | $-\frac{4\,i}{k\left(1+2\,k^2\right)\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)}$ | $-\frac{i\sqrt{2}\left(3\,k^2\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)+4\,t_{\cdot 3}\right)}{k\left(1+2\,k^2\right)^2\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)t_{\cdot 3}}$ | $0$ | $\frac{6\,k^2\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)+8\,t_{\cdot 3}}{\left(1+2\,k^2\right)^2\left(r_{\cdot 3}+2\,r_{\cdot 5}\right)t_{\cdot 3}}$ |

| | $\overset{2^+}{\cdot}\sigma^{\parallel}{}_{\alpha\beta}$ | $\overset{2^+}{\cdot}\tau^{\parallel}{}_{\alpha\beta}$ | $\overset{2^-}{\cdot}\sigma^{\parallel}{}_{\alpha\beta\chi}$ |
|---|---|---|---|
| $\overset{2^+}{\cdot}\sigma^{\parallel}\,\dagger^{\alpha\beta}$ | $-\frac{2}{3\,k^2\,r_{\cdot 3}}$ | $0$ | $0$ |
| $\overset{2^+}{\cdot}\tau^{\parallel}\,\dagger^{\alpha\beta}$ | $0$ | $0$ | $0$ |
| $\overset{2^-}{\cdot}\sigma^{\parallel}\,\dagger^{\alpha\beta\chi}$ | $0$ | $0$ | $0$ |

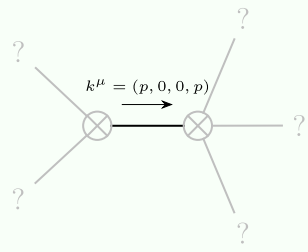
# Source constraints

| 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 |
| $\overset{1^+}{\cdot}\tau^{\parallel\alpha\beta} == 0$ | $\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} == \partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\beta} + \partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha\chi} + \partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\beta\alpha}$ | 3 |
| $\overset{1^+}{\cdot}\sigma^{\perp\alpha\beta} == 0$ | $\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} == \partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta}$ | 3 |
| $\overset{2^-}{\cdot}\sigma^{\parallel\alpha\beta\chi} == 0$ | $3\,\partial_{\epsilon}\partial_{\delta}\partial^{\chi}\partial^{\alpha}\sigma^{\delta\beta\epsilon} + 3\,\partial_{\epsilon}\partial^{\epsilon}\partial^{\chi}\partial^{\alpha}\sigma^{\delta\beta}{}_{\delta} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\beta}\sigma^{\alpha\chi\delta} + 4\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\beta}\sigma^{\chi\alpha\delta} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\beta}\sigma^{\delta\alpha\chi} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\chi}\sigma^{\beta\alpha\delta} + 4\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\chi}\sigma^{\delta\alpha\beta} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\sigma^{\beta\alpha\chi} + 3\,\eta^{\beta\chi}\,\partial_{\phi}\partial^{\phi}\partial_{\epsilon}\partial^{\alpha}\sigma^{\delta\ \epsilon}_{\ \delta} + 3\,\eta^{\alpha\chi}\,\partial_{\phi}\partial^{\phi}\partial_{\epsilon}\partial_{\delta}\sigma^{\delta\beta\epsilon} + 3\,\eta^{\beta\chi}\,\partial_{\phi}\partial^{\phi}\partial_{\epsilon}\partial^{\epsilon}\sigma^{\delta\alpha}{}_{\delta} == 3\,\partial_{\epsilon}\partial_{\delta}\partial^{\chi}\partial^{\beta}\sigma^{\delta\alpha\epsilon} + 3\,\partial_{\epsilon}\partial^{\epsilon}\partial^{\chi}\partial^{\beta}\sigma^{\delta\alpha}{}_{\delta} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\alpha}\sigma^{\beta\chi\delta} + 4\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\alpha}\sigma^{\chi\beta\delta} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\alpha}\sigma^{\delta\beta\chi} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\chi}\sigma^{\alpha\beta\delta} + 2\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\sigma^{\beta\alpha\chi} + 4\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\sigma^{\chi\alpha\beta} + 3\,\eta^{\alpha\chi}\,\partial_{\phi}\partial^{\phi}\partial_{\epsilon}\partial^{\beta}\sigma^{\delta\ \epsilon}_{\ \delta} + 3\,\eta^{\beta\chi}\,\partial_{\phi}\partial^{\phi}\partial_{\epsilon}\partial_{\delta}\sigma^{\delta\alpha\epsilon} + 3\,\eta^{\alpha\chi}\,\partial_{\phi}\partial^{\phi}\partial_{\epsilon}\partial^{\epsilon}\sigma^{\delta\beta}{}_{\delta}$ | 5 |
| $\overset{2^+}{\cdot}\tau^{\parallel\alpha\beta} == 0$ | $4\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\delta} + 2\,\partial_{\delta}\partial^{\delta}\partial^{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi}{}_{\chi} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\beta\alpha} + 2\,\eta^{\alpha\beta}\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial_{\chi}\tau\,(\Delta+\mathcal{K})^{\chi\delta} == 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\chi\alpha} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\beta} + 3\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha\chi} + 2\,\eta^{\alpha\beta}\,\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\partial^{\delta}\tau\,(\Delta+\mathcal{K})^{\chi}{}_{\chi}$ | 5 |
| Total expected gauge generators: | | | 24 |

# Massive spectrum

(No particles)

# Massless spectrum




Massless particle

| | |
|---|---|
| Pole residue: | $-\frac{26}{r_{\cdot 3}} + \frac{39}{2\,r_{\cdot 3}+r_{\cdot 5}} - \frac{216}{r_{\cdot 3}+2\,r_{\cdot 5}} > 0$ |
| Polarisations: | 2 |

# Unitarity conditions

$$\left(r_{\cdot 3} < 0\ \&\&\ \left(r_{\cdot 5} < -\frac{r_{\cdot 3}}{2}\ ||\ r_{\cdot 5} > -2\,r_{\cdot 3}\right)\right) || \left(r_{\cdot 3} > 0\ \&\&\ -2\,r_{\cdot 3} < r_{\cdot 5} < -\frac{r_{\cdot 3}}{2}\right)$$