PSALTer results panel

$$\mathcal{S} == \int\int\int\int (\mathcal{B}^{\alpha}\ \mathcal{J}_{\alpha} + \frac{\alpha_{.}}{2}\partial_{\alpha}\mathcal{B}^{\alpha}\partial_{\beta}\mathcal{B}^{\beta} + \frac{\alpha_{.}}{1}\partial_{\beta}\mathcal{B}_{\alpha}\partial^{\beta}\mathcal{B}^{\alpha})[t, x, y, z]\, dz\, dy\, dx\, dt$$

Wave operator

	$0^{+}_{.}\mathcal{B}$	$1^{-}_{.}\mathcal{B}_{\alpha}$
$0^{+}_{.}\mathcal{B}\dagger$	$(\frac{\alpha_{.}}{1} + \frac{\alpha_{.}}{2})\,k^2$	
$1^{-}_{.}\mathcal{B}\dagger^{\alpha}$		$\frac{\alpha_{.}}{1}\,k^2$

Saturated propagator

	$0^{+}_{.}\mathcal{J}$	$1^{-}_{.}\mathcal{J}_{\alpha}$
$0^{+}_{.}\mathcal{J}\dagger$	$\frac{1}{(\frac{\alpha_{.}}{1}+\frac{\alpha_{.}}{2})\,k^2}$	
$1^{-}_{.}\mathcal{J}\dagger^{\alpha}$		$\frac{1}{\frac{\alpha_{.}}{1}\,k^2}$

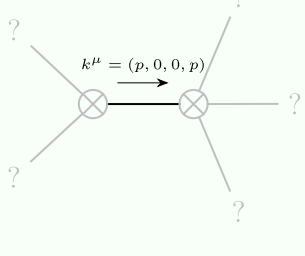
Source constraints

(No source constraints)

Massive spectrum

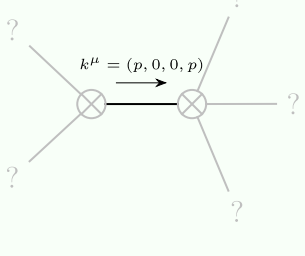
(No particles)

Massless spectrum



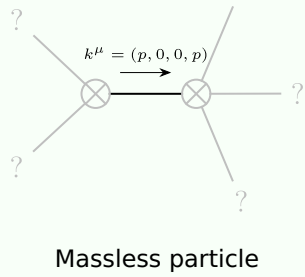
Massless particle

Pole residue:	$-\frac{1}{\alpha_{.}} - \frac{1}{\alpha_{.}+\alpha_{.}} > 0$
Polarisations:	1



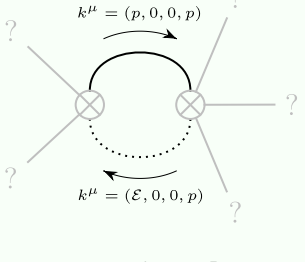
Massless particle

Pole residue:	$-\frac{1}{\alpha_{.}} > 0$
Polarisations:	2



Massless particle

Pole residue:	$\frac{1}{\alpha_{.}} + \frac{1}{\alpha_{.}+\alpha_{.}} > 0$
Polarisations:	1



Quartic pole

Pole residue:	$0 < -\frac{\frac{\alpha_{.}}{2}p^2}{\frac{\alpha_{.}}{1}(\frac{\alpha_{.}}{1}+\frac{\alpha_{.}}{2})}$ && $-\frac{\frac{\alpha_{.}}{2}p^2}{\frac{\alpha_{.}}{1}(\frac{\alpha_{.}}{1}+\frac{\alpha_{.}}{2})} > 0$
Polarisations:	1

Unitarity conditions

(Demonstrably impossible)