PSALTer results panel

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

Wave operator

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

Saturated propagator

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

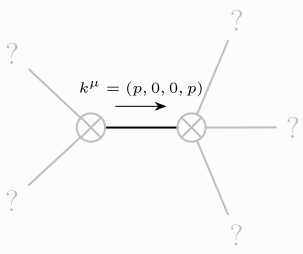
Source constraints

(There are no source constraints and no gauge symmetries)

Massive spectrum

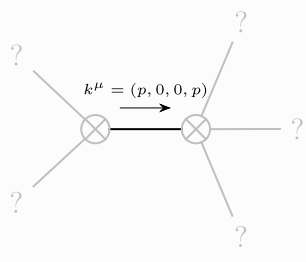
(There are no massive particles)

Massless spectrum



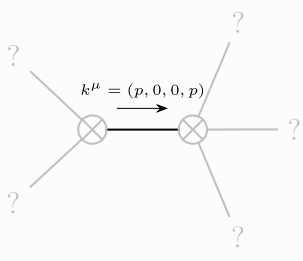
Massless particle

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



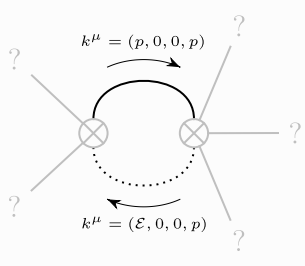
Massless particle

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



Massless particle

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



Quartic pole

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

Gauge symmetries

(Not yet implemented in PSALTer)

Unitarity conditions

(Unitarity is demonstrably impossible)

Validity assumptions

(Not yet implemented in PSALTer)