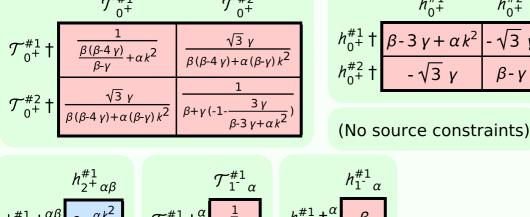
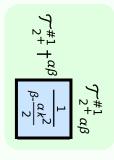
Particle spectrograph

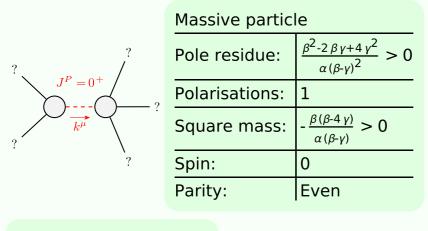
Wave operator and propagator

Quadratic (free) Lagrangian density $\beta h_{\alpha\beta} h^{\alpha\beta} - \gamma h^{\alpha}_{\alpha} h^{\beta}_{\beta} + h^{\alpha\beta} \mathcal{T}_{\alpha\beta} + \frac{1}{2} \alpha \partial_{\beta} h^{\chi}_{\chi} \partial^{\beta} h^{\alpha}_{\alpha} + \alpha \partial_{\alpha} h^{\alpha\beta} \partial_{\chi} h_{\beta}^{\chi} - \alpha \partial^{\beta} h^{\alpha}_{\alpha} \partial_{\chi} h_{\beta}^{\chi} - \frac{1}{2} \alpha \partial_{\chi} h_{\alpha\beta} \partial^{\chi} h^{\alpha\beta}$ $\mathcal{T}_{\alpha+}^{\#1} \qquad \mathcal{T}_{\alpha+}^{\#2} \qquad h_{\alpha+}^{\#1} \qquad h_{\alpha+}^{\#2}$

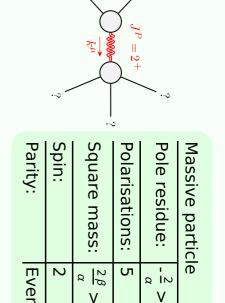




Massive and massless spectra



(No massless particles)



Unitarity conditions

(Unitarity is demonstrably impossible)