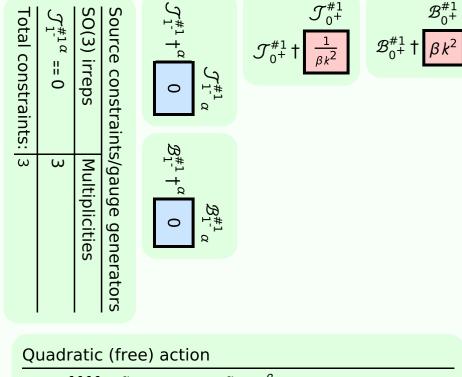
## Particle spectrograph

Wave operator and propagator



 $S_{\mathsf{F}} == \iiint (\mathcal{B}^{\alpha} \mathcal{J}_{\alpha} + \beta \partial_{\alpha} \mathcal{B}^{\alpha} \partial_{\beta} \mathcal{B}^{\beta})[t, x, y, z] \, dz \, dy \, dx \, dt$ 

Massive and massless spectra

(No massless particles) (No massive particles)

Unitarity conditions

True