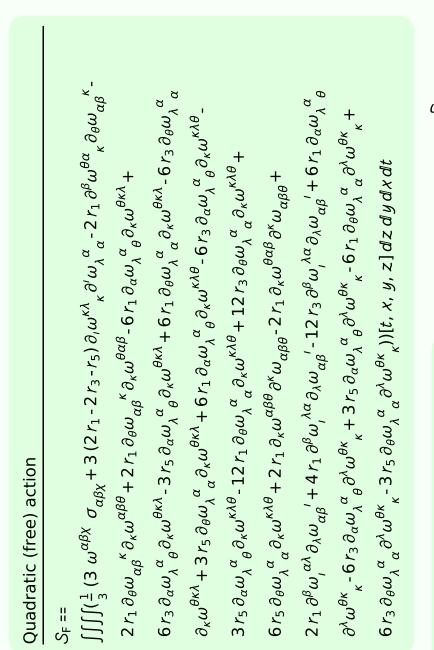
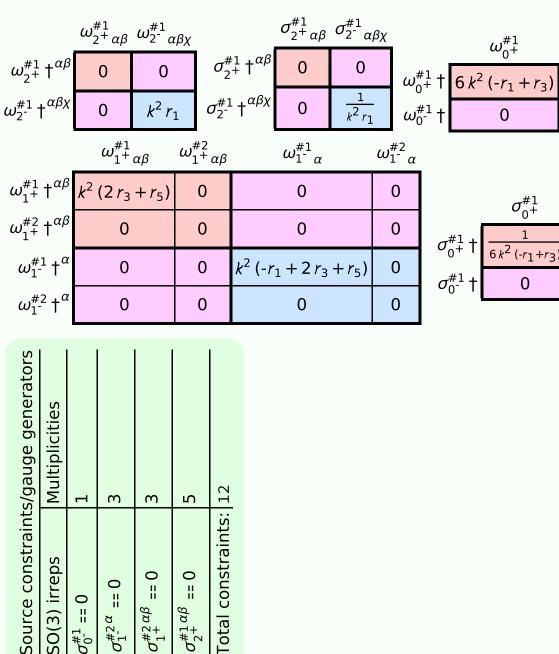
## Particle spectrograph

### Wave operator and propagator





# 0 0 $k^2$ (2 $r_3 + r_5$ )

0

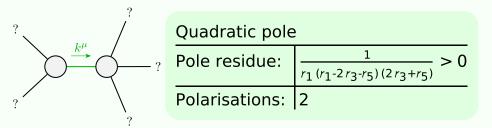
0

 $\omega_0^{\#1}$ 

 $\sigma_0^{\#1}$ 

0

### Massive and massless spectra



SO(3) irreps

0 ::

(No massive particles)

#### **Unitarity conditions**