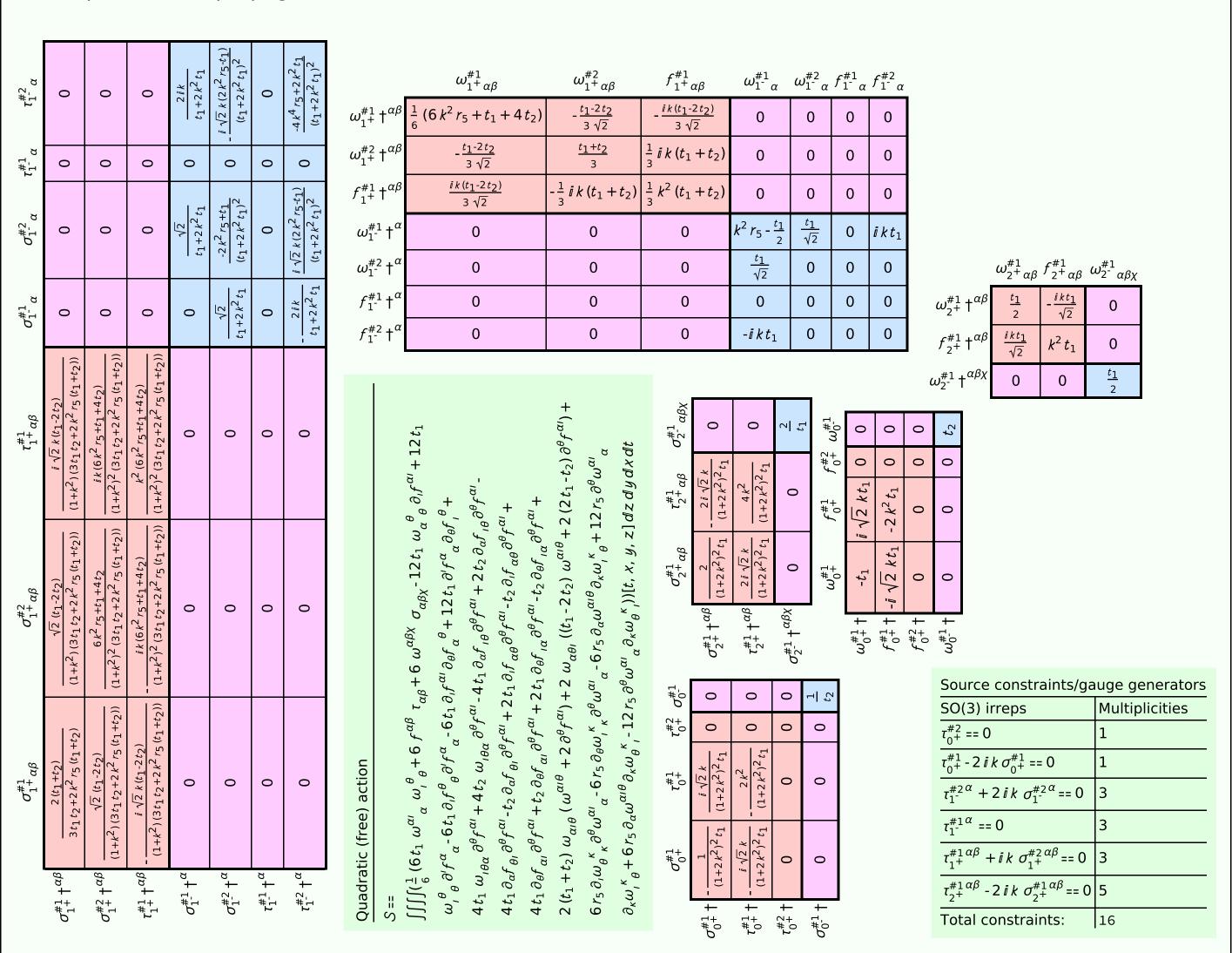
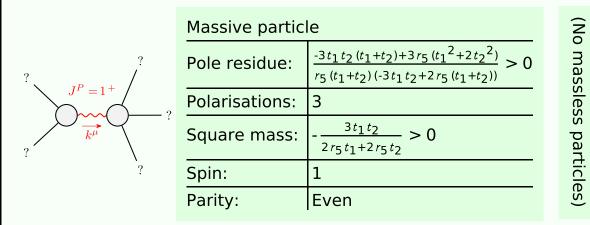
Particle spectrograph

Wave operator and propagator



Massive and massless spectra



Unitarity conditions

 $r_5 > 0 \&\& (t_1 < 0 \&\& (t_2 < 0 || t_2 > -t_1)) || (t_1 > 0 \&\& -t_1 < t_2 < 0)$