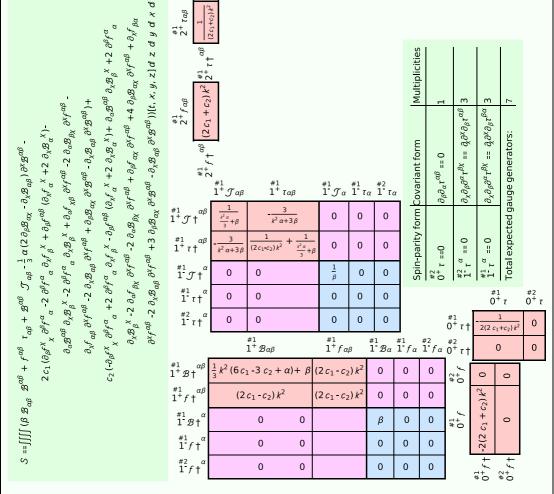
Particle spectrograph

Wave operator and propagator



Massive and massless spectra

Massive particle Poleresidue: $\frac{6}{\alpha} > 0$ Square mass: $\frac{3\beta}{\alpha} > 0$ Spin: 1 Parity: Even	0,0,0	? $k^{\mu} = (p, 0, 0, p)$? ?	? $k^{\mu} = (p, 0, 0, p)$? ?
	.~	Massless particle	Massless particle
		Poleresidue: $\left \frac{1}{2c_1+c_2} > 0 \right $	Poleresidue: $\frac{1}{2c_1 \cdot c_2} > 0$
		Polarisations: 2	Polarisations: 1

Unitarity conditions