Particle spectrograph

Wave operator and propagator

$$\mathcal{G}\mathcal{G}\mathcal{G}\mathcal{G}(\tfrac{1}{2}(\check{E}^{\}}_{\,\}\,-}\,\,\check{E}^{\}\,\sim}\,-\,\check{E}^{\}}_{\,\}}\,\check{E}^{-}_{\,-})+\,\check{E}^{\}\,\sim}\,\,Y_{\,\}\,-}\,+\tfrac{1}{2}\,\}\,(a_{-}\check{E}^{\prime}_{\,\cdot}\,\,a_{\,\cdot}\check{E}^{\}}_{\,\}}\,+2\,a_{\,\}}\check{E}^{\}\,\sim}\,a_{\,\cdot}\check{E}_{\,-}^{\prime}\,-2\,a_{\,\cdot}\check{E}^{\}}_{\,\}}\,a_{\,\cdot}\check{E}_{\,-}^{\prime}\,-a_{\,\cdot}\check{E}_{\,\}-}\,a_{\,\cdot}^{\prime}\check{E}^{\}\,\sim}))[I,\,\dot{O},\,\dot{o},$$
$$\dot{O}]_{\mathbf{Q}}\,\check{O}_{\mathbf{Q}}\,\dot{o}_{\mathbf{Q}}\,\dot{O}_{\mathbf{Q}}\,I$$

	#1 $0^+\check{E}$	#2 $0^+\check{E}$
#1 $0^+\check{E}\hat{E}$	$-2\sim+\}\,\hat{e}^2$	$-\sqrt{3}\sim$
#2 $0^+\check{E}\hat{E}$	$-\sqrt{3}\sim$	0

	#1 0^+Y	#2 0^+Y
#1 $0^+Y\hat{E}$	0	$-\dfrac{1}{\sqrt{3}\sim}$
#2 $0^+Y\hat{E}$	$-\dfrac{1}{\sqrt{3}\sim}$	$\dfrac{2\sim}{3\sim^2}\,\hat{e}^2$

#1 $2^+Y\check{E}_{\sim}$
$\tfrac{i}{2}\,\dfrac{1}{\sim}$

#1 $2^+\check{E}\check{E}_{\sim}$
$\tfrac{i}{2}\,\dfrac{1}{\sim}$

(No source constraints)

#1 $1^-\check{E}_{\}}$
$\sim$

#1 $1^-Y_{\}}$
$\sim$

Massive and massless spectra

ShowMapThreadShowη1,ImageSize γ 2η2,η33,BaselinePosition γ Scaled$\dfrac{\eta4\%\text{MaTeX`Private`\$psfactor}}{\eta3}$xx&,

22$\}$ 2128.0933, 2108.6553, 24.30393x, ImageSize γ 1.3 ImageSizex

Massive particle	
Pole residue:	$-\dfrac{2}{\}}>0$
Square mass:	$\dfrac{2\sim}{\}}>0$
Spin:	2
Parity:	Even

(No massless particles)

Unitarity conditions

$\}<0\ \&\&\ \sim<0$