PSALTer results panel

$$S == \int\int\int\int \left(\frac{1}{8}\left(-4\,a_0\,\mathcal{A}_{\alpha\chi\beta}\,\mathcal{A}^{\alpha\beta\chi} + 4\,a_0\,\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta}\,\mathcal{A}^{\chi}{}_{\beta\chi} + 8\,\mathcal{A}^{\alpha\beta\chi}\,\mathcal{W}_{\alpha\beta\chi} + 8\,\mathcal{T}^{\alpha\beta}\,h_{\alpha\beta} + 4\,a_0\,h^{\alpha\beta}\,\partial_\beta\mathcal{A}_\alpha{}^{\chi}{}_{\chi} - 4\,a_0\,h^{\alpha\beta}\,\partial_\chi\mathcal{A}_\alpha{}^{\chi}{}_{\beta} - 2\,a_0\,h^{\alpha}{}_{\alpha}\,\partial_\chi\mathcal{A}^{\beta}{}_{\beta}{}^{\chi} + 2\,a_0\,h^{\alpha}{}_{\alpha}\,\partial_\chi\mathcal{A}^{\beta\chi}{}_{\beta} - h_3\,\partial_\chi\mathcal{A}_\beta{}^{\delta}{}_{\delta}\,\partial^\chi\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta} - 2\,h_3\,\partial_\chi\mathcal{A}^{\delta}{}_{\beta\delta}\,\partial^\chi\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta} - h_3\,\partial_\chi\mathcal{A}^{\delta}{}_{\beta\delta}\,\partial^\chi\mathcal{A}^{\alpha\beta}{}_{\alpha} - h_3\,\partial_\beta\mathcal{A}^{\alpha\beta\chi}\,\partial_\delta\mathcal{A}^{\alpha}{}_{\chi}{}^{\delta} - 2\,h_3\,\partial_\alpha\mathcal{A}^{\alpha\beta\chi}\,\partial_\delta\mathcal{A}_\beta{}^{\delta}{}_{\chi} + 2\,h_3\,\partial^\chi\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta}\,\partial_\delta\mathcal{A}_\beta{}^{\delta}{}_{\chi} + 2\,h_3\,\partial^\chi\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_\delta\mathcal{A}_\beta{}^{\delta}{}_{\chi} - h_3\,\partial_\alpha\mathcal{A}^{\alpha\beta\chi}\,\partial_\delta\mathcal{A}_{\chi\beta}{}^{\delta} + 2\,h_3\,\partial^\chi\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta}\,\partial_\delta\mathcal{A}_{\chi\beta}{}^{\delta} + 2\,h_3\,\partial^\chi\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_\delta\mathcal{A}_{\chi\beta}{}^{\delta}\right)\Big)[t, x, y, z]\,dz\,dy\,dx\,dt$$

Wave operator

	$0^+_:h^\perp$	$0^+_:h^\parallel$	$0^+_:\mathcal{A}_s{}^{\perp t}$	$0^+_:\mathcal{A}_s{}^{\parallel}$	$0^+_:\mathcal{A}_s{}^{\perp h}$
$0^+_:h^\perp\,\dagger$	0	0	0	$\frac{i\,a_0\,k}{4}$	$\frac{i\,a_0\,k}{8\sqrt{2}}$
$0^+_:h^\parallel\,\dagger$	0	0	0	$-\frac{i\,a_0\,k}{4\sqrt{3}}$	$\frac{5\,i\,a_0\,k}{8\sqrt{6}}$
$0^+_:\mathcal{A}_s{}^{\perp t}\,\dagger$	0	0	0	$\frac{a_0}{2}$	$\frac{a_0}{4\sqrt{2}}$
$0^+_:\mathcal{A}_s{}^{\parallel}\,\dagger$	$-\frac{1}{4}\,i\,a_0\,k$	$\frac{i\,a_0\,k}{4\sqrt{3}}$	$\frac{a_0}{2}$	$-\frac{2\,k^2\,h_3}{3}$	$\frac{3\,a_0-4\,k^2\,h_3}{12\sqrt{2}}$
$0^+_:\mathcal{A}_s{}^{\perp h}\,\dagger$	$-\frac{i\,a_0\,k}{8\sqrt{2}}$	$-\frac{5\,i\,a_0\,k}{8\sqrt{6}}$	$\frac{a_0}{4\sqrt{2}}$	$\frac{3\,a_0-4\,k^2\,h_3}{12\sqrt{2}}$	$\frac{1}{12}\left(-3\,a_0-k^2\,h_3\right)$

	$1^+_:\mathcal{A}_s{}^{\perp}{}_{\alpha\beta}$	$1^-_:h^\perp{}_\alpha$	$1^-_:\mathcal{A}_s{}^{\perp t}{}_\alpha$	$1^-_:\mathcal{A}_s{}^{\parallel t}{}_\alpha$	$1^-_:\mathcal{A}_s{}^{\perp h}{}_\alpha$	$1^-_:\mathcal{A}_s{}^{\parallel h}{}_\alpha$
$1^+_:\mathcal{A}_s{}^{\perp}\,\dagger^{\alpha\beta}$	$\frac{1}{16}\left(4\,a_0-k^2\,h_3\right)$	0	0	0	0	0
$1^-_:h^\perp\,\dagger^{\alpha}$	0	0	$-\frac{i\,a_0\,k}{4\sqrt{6}}$	$\frac{1}{4}\,i\,\sqrt{\frac{5}{6}}\,a_0\,k$	$\frac{i\,a_0\,k}{8\sqrt{3}}$	$-\frac{i\,a_0\,k}{4\sqrt{6}}$
$1^-_:\mathcal{A}_s{}^{\perp t}\,\dagger^{\alpha}$	0	$\frac{i\,a_0\,k}{4\sqrt{6}}$	$\frac{1}{6}\left(-2\,a_0-k^2\,h_3\right)$	$\frac{\sqrt{5}\,a_0}{6}$	$\frac{a_0+2\,k^2\,h_3}{12\sqrt{2}}$	$\frac{a_0}{12}$
$1^-_:\mathcal{A}_s{}^{\parallel t}\,\dagger^{\alpha}$	0	$-\frac{1}{4}\,i\,\sqrt{\frac{5}{6}}\,a_0\,k$	$\frac{\sqrt{5}\,a_0}{6}$	$\frac{1}{6}\left(2\,a_0-5\,k^2\,h_3\right)$	$\frac{1}{12}\,\sqrt{\frac{5}{2}}\,a_0$	$\frac{1}{12}\,\sqrt{5}\left(a_0-k^2\,h_3\right)$
$1^-_:\mathcal{A}_s{}^{\perp h}\,\dagger^{\alpha}$	0	$-\frac{i\,a_0\,k}{8\sqrt{3}}$	$\frac{a_0+2\,k^2\,h_3}{12\sqrt{2}}$	$\frac{1}{12}\,\sqrt{\frac{5}{2}}\,a_0$	$\frac{1}{12}\left(a_0-k^2\,h_3\right)$	$-\frac{a_0}{3\sqrt{2}}$
$1^-_:\mathcal{A}_s{}^{\parallel h}\,\dagger^{\alpha}$	0	$\frac{i\,a_0\,k}{4\sqrt{6}}$	$\frac{a_0}{12}$	$\frac{1}{12}\,\sqrt{5}\left(a_0-k^2\,h_3\right)$	$-\frac{a_0}{3\sqrt{2}}$	$\frac{1}{24}\left(-2\,a_0-k^2\,h_3\right)$

	$2^+_:h^\parallel{}_{\alpha\beta}$	$2^+_:\mathcal{A}_s{}^{\parallel}{}_{\alpha\beta}$	$2^+_:\mathcal{A}_s{}^{\perp}{}_{\alpha\beta}$	$2^-_:\mathcal{A}_s{}^{\parallel}{}_{\alpha\beta\chi}$
$2^+_:h^\parallel\,\dagger^{\alpha\beta}$	0	$-\frac{i\,a_0\,k}{4\sqrt{3}}$	$-\frac{i\,a_0\,k}{2\sqrt{6}}$	0
$2^+_:\mathcal{A}_s{}^{\parallel}\,\dagger^{\alpha\beta}$	$\frac{i\,a_0\,k}{4\sqrt{3}}$	$\frac{1}{6}\left(-3\,a_0-k^2\,h_3\right)$	$-\frac{k^2\,h_3}{12\sqrt{2}}$	0
$2^+_:\mathcal{A}_s{}^{\perp}\,\dagger^{\alpha\beta}$	$\frac{i\,a_0\,k}{2\sqrt{6}}$	$-\frac{k^2\,h_3}{12\sqrt{2}}$	$\frac{a_0}{4}-\frac{k^2\,h_3}{48}$	0
$2^-_:\mathcal{A}_s{}^{\parallel}\,\dagger^{\alpha\beta\chi}$	0	0	0	$\frac{a_0}{4}$

	$3^-_:\mathcal{A}_s{}^{\parallel}{}_{\alpha\beta\chi}$
$3^-_:\mathcal{A}_s{}^{\parallel}\,\dagger^{\alpha\beta\chi}$	$-\frac{a_0}{2}$

Saturated propagator

	$0^+_:\mathcal{T}^\perp$	$0^+_:\mathcal{T}^\parallel$	$0^+_:\mathcal{W}_s{}^{\perp t}$	$0^+_:\mathcal{W}_s{}^{\parallel}$	$0^+_:\mathcal{W}_s{}^{\perp h}$
$0^+_:\mathcal{T}^\perp\,\dagger$	$-\frac{4\,k^2\left(a_0-8\,k^2\,h_3\right)}{3\,a_0{}^2\,(4+k^2)^2}$	0	$-\frac{8\,i\,k\left(a_0-8\,k^2\,h_3\right)}{3\,a_0{}^2\,(4+k^2)^2}$	$\frac{10\,i\,k}{12\,a_0+3\,a_0\,k^2}$	$\frac{4\,i\,\sqrt{2}\,k}{12\,a_0+3\,a_0\,k^2}$
$0^+_:\mathcal{T}^\parallel\,\dagger$	0	$\frac{4}{a_0\,k^2}$	0	$-\frac{2\,i}{\sqrt{3}\,a_0\,k}$	$\frac{4\,i\,\sqrt{\frac{2}{3}}}{a_0\,k}$
$0^+_:\mathcal{W}_s{}^{\perp t}\,\dagger$	$\frac{8\,i\,k\left(a_0-8\,k^2\,h_3\right)}{3\,a_0{}^2\,(4+k^2)^2}$	0	$-\frac{16\left(a_0-8\,k^2\,h_3\right)}{3\,a_0{}^2\,(4+k^2)^2}$	$\frac{20}{12\,a_0+3\,a_0\,k^2}$	$\frac{8\,\sqrt{2}}{12\,a_0+3\,a_0\,k^2}$
$0^+_:\mathcal{W}_s{}^{\parallel}\,\dagger$	$-\frac{10\,i\,k}{12\,a_0+3\,a_0\,k^2}$	$\frac{2\,i}{\sqrt{3}\,a_0\,k}$	$\frac{20}{12\,a_0+3\,a_0\,k^2}$	0	0
$0^+_:\mathcal{W}_s{}^{\perp h}\,\dagger$	$-\frac{4\,i\,\sqrt{2}\,k}{12\,a_0+3\,a_0\,k^2}$	$-\frac{4\,i\,\sqrt{\frac{2}{3}}}{a_0\,k}$	$\frac{8\,\sqrt{2}}{12\,a_0+3\,a_0\,k^2}$	0	0

	$1^+_:\mathcal{W}_s{}^{\perp}{}_{\alpha\beta}$	$1^-_:\mathcal{T}^\perp{}_\alpha$	$1^-_:\mathcal{W}_s{}^{\perp t}{}_\alpha$	$1^-_:\mathcal{W}_s{}^{\parallel t}{}_\alpha$	$1^-_:\mathcal{W}_s{}^{\perp h}{}_\alpha$	$1^-_:\mathcal{W}_s{}^{\parallel h}{}_\alpha$
$1^+_:\mathcal{W}_s{}^{\perp}\,\dagger^{\alpha\beta}$	$\frac{16}{4\,a_0-k^2\,h_3}$	0	0	0	0	0
$1^-_:\mathcal{T}^\perp\,\dagger^{\alpha}$	0	$\frac{4\left(6\,a_0{}^2\,k^2+a_0\,k^4\,h_3-8\,k^6\,h_3{}^2\right)}{a_0\,(2+k^2)^2\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{4\,i\,\sqrt{\frac{2}{3}}\,k\left(-6\,a_0{}^2\,(1+k^2)+a_0\,k^2\,(19+9\,k^2)\,h_3-8\,k^4\,h_3{}^2\right)}{a_0\,(2+k^2)^2\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{2\,i\,\sqrt{\frac{10}{3}}\,k\left(6\,a_0{}^2-3\,a_0\,k^2\,h_3-2\,k^4\,h_3{}^2\right)}{a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$-\frac{4\,i\,k\left(-6\,a_0{}^2\,(4+k^2)+a_0\,k^2\,(16+9\,k^2)\,h_3+16\,k^4\,h_3{}^2\right)}{\sqrt{3}\,a_0\,(2+k^2)^2\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{4\,i\,\sqrt{\frac{2}{3}}\,k\left(-12\,a_0{}^2+9\,a_0\,k^2\,h_3+10\,k^4\,h_3{}^2\right)}{a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$
$1^-_:\mathcal{W}_s{}^{\perp t}\,\dagger^{\alpha}$	0	$\frac{4\,i\,\sqrt{\frac{2}{3}}\,k\left(6\,a_0{}^2\,(1+k^2)-a_0\,k^2\,(19+9\,k^2)\,h_3+8\,k^4\,h_3{}^2\right)}{a_0\,(2+k^2)^2\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{8\left(-2\,a_0{}^2\,(13+10\,k^2+k^4)+a_0\,k^2\,(57+38\,k^2+5\,k^4)\,h_3-8\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)^2\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{4\,\sqrt{5}\left(2\,a_0{}^2\,(5+k^2)+a_0\,k^2\,(-1+k^2)\,h_3-2\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{4\,\sqrt{2}\left(2\,a_0{}^2\,(4+k^2+k^4)-a_0\,k^4\,(11+5\,k^2)\,h_3-16\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)^2\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{8\left(a_0{}^2\,(4+8\,k^2)-a_0\,k^2\,(1+5\,k^2)\,h_3+10\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$
$1^-_:\mathcal{W}_s{}^{\parallel t}\,\dagger^{\alpha}$	0	$\frac{2\,i\,\sqrt{\frac{10}{3}}\,k\left(-6\,a_0{}^2+3\,a_0\,k^2\,h_3+2\,k^4\,h_3{}^2\right)}{a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{4\,\sqrt{5}\left(2\,a_0{}^2\,(5+k^2)+a_0\,k^2\,(-1+k^2)\,h_3-2\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{1}{-\frac{3\,k^2\,h_3}{2}+\frac{6}{5}\,a_0\left(1+\frac{a_0}{14\,a_0+5\,k^2\,h_3}\right)}$	$-\frac{2\,\sqrt{10}\left(2\,a_0{}^2\,(-4+k^2)+a_0\,k^2\,(8+k^2)\,h_3+4\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{4\,\sqrt{5}\left(4\,a_0+k^2\,h_3\right)}{36\,a_0{}^2-30\,a_0\,k^2\,h_3-15\,k^4\,h_3{}^2}$
$1^-_:\mathcal{W}_s{}^{\perp h}\,\dagger^{\alpha}$	0	$\frac{4\,i\,k\left(-6\,a_0{}^2\,(4+k^2)+a_0\,k^2\,(16+9\,k^2)\,h_3+16\,k^4\,h_3{}^2\right)}{\sqrt{3}\,a_0\,(2+k^2)^2\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{4\,\sqrt{2}\left(2\,a_0{}^2\,(4+k^2+k^4)-a_0\,k^4\,(11+5\,k^2)\,h_3-16\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)^2\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$-\frac{2\,\sqrt{10}\left(2\,a_0{}^2\,(-4+k^2)+a_0\,k^2\,(8+k^2)\,h_3+4\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$-\frac{4\left(2\,a_0{}^2\,(-32-8\,k^2+k^4)+a_0\,k^2\,(48+16\,k^2-5\,k^4)\,h_3+32\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)^2\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{4\,\sqrt{2}\left(-8\,a_0{}^2\,(5+k^2)+a_0\,k^2\,(28+5\,k^2)\,h_3+20\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$
$1^-_:\mathcal{W}_s{}^{\parallel h}\,\dagger^{\alpha}$	0	$\frac{4\,i\,\sqrt{\frac{2}{3}}\,k\left(12\,a_0{}^2-9\,a_0\,k^2\,h_3-10\,k^4\,h_3{}^2\right)}{a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{8\left(a_0{}^2\,(4+8\,k^2)-a_0\,k^2\,(1+5\,k^2)\,h_3+10\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{4\,\sqrt{5}\left(4\,a_0+k^2\,h_3\right)}{36\,a_0{}^2-30\,a_0\,k^2\,h_3-15\,k^4\,h_3{}^2}$	$\frac{4\,\sqrt{2}\left(-8\,a_0{}^2\,(5+k^2)+a_0\,k^2\,(28+5\,k^2)\,h_3+20\,k^4\,h_3{}^2\right)}{3\,a_0\,(2+k^2)\left(12\,a_0{}^2-10\,a_0\,k^2\,h_3-5\,k^4\,h_3{}^2\right)}$	$\frac{16\left(a_0-5\,k^2\,h_3\right)}{3\left(-12\,a_0{}^2+10\,a_0\,k^2\,h_3+5\,k^4\,h_3{}^2\right)}$

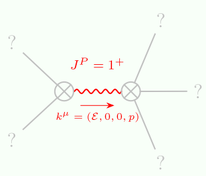
	$2^+_:\mathcal{T}^\parallel{}_{\alpha\beta}$	$2^+_:\mathcal{W}_s{}^{\parallel}{}_{\alpha\beta}$	$2^+_:\mathcal{W}_s{}^{\perp}{}_{\alpha\beta}$	$2^-_:\mathcal{W}_s{}^{\parallel}{}_{\alpha\beta\chi}$
$2^+_:\mathcal{T}^\parallel\,\dagger^{\alpha\beta}$	$-\frac{8}{a_0\,k^2}$	$\frac{4\,i}{\sqrt{3}\,a_0\,k}$	$-\frac{8\,i\,\sqrt{\frac{2}{3}}}{a_0\,k}$	0
$2^+_:\mathcal{W}_s{}^{\parallel}\,\dagger^{\alpha\beta}$	$-\frac{4\,i}{\sqrt{3}\,a_0\,k}$	$-\frac{32}{12\,a_0+3\,k^2\,h_3}$	$\frac{16\,\sqrt{2}}{12\,a_0+3\,k^2\,h_3}$	0
$2^+_:\mathcal{W}_s{}^{\perp}\,\dagger^{\alpha\beta}$	$\frac{8\,i\,\sqrt{\frac{2}{3}}}{a_0\,k}$	$\frac{16\,\sqrt{2}}{12\,a_0+3\,k^2\,h_3}$	$-\frac{16}{12\,a_0+3\,k^2\,h_3}$	0
$2^-_:\mathcal{W}_s{}^{\parallel}\,\dagger^{\alpha\beta\chi}$	0	0	0	$\frac{4}{a_0}$

	$3^-_:\mathcal{W}_s{}^{\parallel}{}_{\alpha\beta\chi}$
$3^-_:\mathcal{W}_s{}^{\parallel}\,\dagger^{\alpha\beta\chi}$	$-\frac{2}{a_0}$

Source constraints

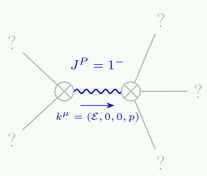
Spin-parity form	Covariant form	Multiplicities
$k\,{}^{0^+_:}\mathcal{W}_s{}^{\perp t} + 2\,i\,{}^{0^+_:}\mathcal{T}^\perp == 0$	$2\,\partial_\beta\partial_\alpha\mathcal{T}^{\alpha\beta} == \partial_\chi\partial_\beta\partial_\alpha\mathcal{W}^{\alpha\beta\chi}$	1
$2\,k\,{}^{1^-_:}\mathcal{W}_s{}^{\perp h}{}^{\alpha} + k\,{}^{1^-_:}\mathcal{W}_s{}^{\perp t}{}^{\alpha} + 6\,i\,{}^{1^-_:}\mathcal{T}^{\perp}{}^{\alpha} == 0$	$2\,\partial_\chi\partial_\beta\partial^\alpha\mathcal{T}^{\beta\chi} + \partial_\delta\partial^\delta\partial_\chi\partial_\beta\mathcal{W}^{\beta\alpha\chi} == 2\,\partial_\chi\partial^\chi\partial_\beta\mathcal{T}^{\alpha\beta} + \partial_\delta\partial_\chi\partial_\beta\partial^\alpha\mathcal{W}^{\beta\chi\delta}$	3
Total expected gauge generators:		4

Massive spectrum



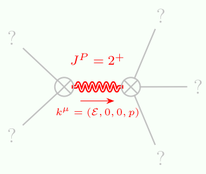
Massive particle

Pole residue:	$-\frac{16}{h_3} > 0$
Square mass:	$\frac{4\,a_0}{h_3} > 0$
Spin:	1
Parity:	Even



Massive particle

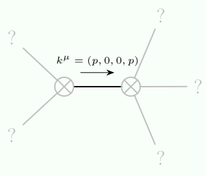
Pole residue:	$\frac{560\,a_0-52\,\sqrt{85}\,a_0-572\,h_3+84\,\sqrt{85}\,h_3}{85\,a_0\,h_3-5\,\sqrt{85}\,a_0\,h_3+10\,\sqrt{85}\,h_3{}^2} > 0$
Square mass:	$\frac{(-5+\sqrt{85})\,a_0}{5\,h_3} > 0$
Spin:	1
Parity:	Odd



Massive particle

Pole residue:	$-\frac{16}{h_3} > 0$
Square mass:	$-\frac{4\,a_0}{h_3} > 0$
Spin:	2
Parity:	Even

Massless spectrum



Massless particle

Pole residue:	$-\frac{p^2}{a_0} > 0$
Polarisations:	2

Unitarity conditions

(Demonstrably impossible)