PSALTer results panel

$$S == \iiiint \Big(\tfrac{1}{8}\big(4 a_0 \mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta} \mathcal{A}^{\chi}{}_{\beta\chi} + \mathcal{A}^{\alpha\beta\chi}\left(-4 a_0 \mathcal{A}_{\beta\chi\alpha} + 8 \mathcal{W}_{\alpha\beta\chi}\right) + 8 \mathcal{T}^{\alpha\beta} h_{\alpha\beta} - 2 a_0 h^{\chi}{}_{\chi} \partial_{\beta}\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta} + 2 a_0 h^{\chi}{}_{\chi} \partial_{\alpha}\mathcal{A}^{\alpha\beta}{}_{\beta} - 4 a_0 h_{\alpha\chi} \partial_{\beta}\mathcal{A}^{\alpha\beta\chi} + 4 a_0 h_{\beta\chi} \partial^{\chi}\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta} - 2 c_3 \partial_{\alpha}\mathcal{A}^{\beta}{}_{\beta\delta} \partial^{\delta}\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta} - c_3 \partial_{\delta}\mathcal{A}^{\beta}{}_{\beta\alpha} \partial^{\delta}\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta} - c_3 \partial_{\beta}\mathcal{A}^{\beta}{}_{\beta\delta} \partial^{\delta}\mathcal{A}^{\alpha\beta}{}_{\alpha} - c_3 \partial_{\delta}\mathcal{A}^{\alpha\beta\chi} \partial_{\delta}\mathcal{A}_{\alpha\beta\chi} - 2 c_3 \partial_{\beta}\mathcal{A}^{\alpha\beta\chi} \partial_{\delta}\mathcal{A}_{\alpha\chi}{}^{\delta} - c_3 \partial_{\beta}\mathcal{A}^{\alpha\beta\chi} \partial_{\delta}\mathcal{A}_{\chi\alpha}{}^{\delta} + c_3 \partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha} \partial_{\delta}\mathcal{A}_{\chi\beta}{}^{\delta} + 2 c_3 \partial^{\chi}\mathcal{A}_{\beta\alpha}{}^{\beta} \partial_{\delta}\mathcal{A}_{\chi}{}^{\delta\alpha} + 2 c_3 \partial^{\chi}\mathcal{A}^{\alpha}{}_{\alpha}{}^{\beta} \partial_{\delta}\mathcal{A}_{\chi\beta}{}^{\delta} + c_3 \partial_{\beta}\mathcal{A}_{\delta\alpha}{}^{\beta} \partial^{\delta}\mathcal{A}^{\chi\alpha}{}_{\chi} + 2 c_3 \partial_{\beta}\mathcal{A}_{\delta\alpha}{}^{\beta} \partial^{\delta}\mathcal{A}^{\chi}{}_{\chi}{}^{\alpha}\big)\Big)[t, x, y, z]\, dz\, dy\, dx\, dt$$

Wave operator

	$^{0^+}h^{\perp}$	$^{0^+}h^{\parallel}$	$^{0^+}\mathcal{A}_a{}^{\parallel}$	$^{0^+}\mathcal{A}_s{}^{\perp t}$	$^{0^+}\mathcal{A}_s{}^{\parallel}$	$^{0^+}\mathcal{A}_s{}^{\perp h}$	$^{0^-}\mathcal{A}_a{}^{\parallel}$
$^{0^+}h^{\perp}{}^{\dagger}$	0	0	0	0	$\frac{i a_0 k}{4}$	$-\frac{i a_0 k}{4\sqrt{2}}$	0
$^{0^+}h^{\parallel}{}^{\dagger}$	0	0	$\frac{i a_0 k}{2\sqrt{2}}$	0	$-\frac{i a_0 k}{4\sqrt{3}}$	$\frac{i a_0 k}{4\sqrt{6}}$	0
$^{0^+}\mathcal{A}_a{}^{\parallel\dagger}$	0	$-\frac{i a_0 k}{2\sqrt{2}}$	$-\frac{a_0}{2}$	0	0	0	0
$^{0^+}\mathcal{A}_s{}^{\perp t\dagger}$	0	0	0	0	$\frac{a_0}{2}$	$-\frac{a_0}{2\sqrt{2}}$	0
$^{0^+}\mathcal{A}_s{}^{\parallel\dagger}$	$-\frac{1}{4} i a_0 k$	$\frac{i a_0 k}{4\sqrt{3}}$	0	$\frac{a_0}{2}$	$-\frac{2 c_3 k^2}{3}$	$\frac{-3 a_0+4 c_3 k^2}{6\sqrt{2}}$	0
$^{0^+}\mathcal{A}_s{}^{\perp h\dagger}$	$\frac{i a_0 k}{4\sqrt{2}}$	$-\frac{i a_0 k}{4\sqrt{6}}$	0	$-\frac{a_0}{2\sqrt{2}}$	$\frac{-3 a_0+4 c_3 k^2}{6\sqrt{2}}$	$\frac{1}{6}\left(3 a_0 - 2 c_3 k^2\right)$	0
$^{0^-}\mathcal{A}_a{}^{\parallel\dagger}$	0	0	0	0	0	0	$-\frac{a_0}{2}$

	$^{1^+}\mathcal{A}_a{}^{\parallel}{}_{\alpha\beta}$	$^{1^+}\mathcal{A}_a{}^{\perp}{}_{\alpha\beta}$	$^{1^+}\mathcal{A}_s{}^{\perp}{}_{\alpha\beta}$	$^{1^-}h^{\perp}{}_{\alpha}$	$^{1^-}\mathcal{A}_a{}^{\parallel}{}_{\alpha}$	$^{1^-}\mathcal{A}_a{}^{\perp}{}_{\alpha}$	$^{1^-}\mathcal{A}_s{}^{\perp t}{}_{\alpha}$	$^{1^-}\mathcal{A}_s{}^{\parallel t}{}_{\alpha}$	$^{1^-}\mathcal{A}_s{}^{\perp h}{}_{\alpha}$	$^{1^-}\mathcal{A}_s{}^{\parallel h}{}_{\alpha}$
$^{1^+}\mathcal{A}_a{}^{\parallel\dagger\alpha\beta}$	$-\frac{a_0}{4}$	$-\frac{a_0}{2\sqrt{2}}$	0	0	0	0	0	0	0	0
$^{1^+}\mathcal{A}_a{}^{\perp\dagger\alpha\beta}$	$-\frac{a_0}{2\sqrt{2}}$	0	0	0	0	0	0	0	0	0
$^{1^+}\mathcal{A}_s{}^{\perp\dagger\alpha\beta}$	0	0	$\frac{1}{4}\left(a_0 - c_3 k^2\right)$	0	0	0	0	0	0	0
$^{1^-}h^{\perp\dagger\alpha}$	0	0	0	0	$\frac{i a_0 k}{4\sqrt{2}}$	0	$-\frac{i a_0 k}{4\sqrt{6}}$	$\frac{1}{4} i \sqrt{\frac{5}{6}} a_0 k$	$-\frac{i a_0 k}{4\sqrt{3}}$	$-\frac{i a_0 k}{4\sqrt{6}}$
$^{1^-}\mathcal{A}_a{}^{\parallel\dagger\alpha}$	0	0	0	$-\frac{i a_0 k}{4\sqrt{2}}$	$-\frac{a_0}{4}$	$\frac{a_0}{2\sqrt{2}}$	0	0	0	0
$^{1^-}\mathcal{A}_a{}^{\perp\dagger\alpha}$	0	0	0	0	$\frac{a_0}{2\sqrt{2}}$	0	0	0	0	0
$^{1^-}\mathcal{A}_s{}^{\perp t\dagger\alpha}$	0	0	0	$\frac{i a_0 k}{4\sqrt{6}}$	0	0	$\frac{1}{6}\left(-2 a_0 - c_3 k^2\right)$	$\frac{\sqrt{5} a_0}{6}$	$-\frac{a_0+2 c_3 k^2}{6\sqrt{2}}$	$-\frac{a_0}{6}$
$^{1^-}\mathcal{A}_s{}^{\parallel t\dagger\alpha}$	0	0	0	$-\frac{1}{4} i \sqrt{\frac{5}{6}} a_0 k$	0	0	$\frac{\sqrt{5} a_0}{6}$	$\frac{1}{6}\left(2 a_0 - 5 c_3 k^2\right)$	$-\frac{1}{6}\sqrt{\frac{5}{2}} a_0$	$-\frac{1}{6}\sqrt{5}\left(a_0 - c_3 k^2\right)$
$^{1^-}\mathcal{A}_s{}^{\perp h\dagger\alpha}$	0	0	0	$\frac{i a_0 k}{4\sqrt{3}}$	0	0	$-\frac{a_0+2 c_3 k^2}{6\sqrt{2}}$	$-\frac{1}{6}\sqrt{\frac{5}{2}} a_0$	$\frac{1}{3}\left(a_0 - c_3 k^2\right)$	$\frac{a_0}{6\sqrt{2}}$
$^{1^-}\mathcal{A}_s{}^{\parallel h\dagger\alpha}$	0	0	0	$\frac{i a_0 k}{4\sqrt{6}}$	0	0	$-\frac{a_0}{6}$	$-\frac{1}{6}\sqrt{5}\left(a_0 - c_3 k^2\right)$	$\frac{a_0}{6\sqrt{2}}$	$\frac{1}{12}\left(5 a_0 - 2 c_3 k^2\right)$

	$^{2^+}h^{\parallel}{}_{\alpha\beta}$	$^{2^+}\mathcal{A}_a{}^{\parallel}{}_{\alpha\beta}$	$^{2^+}\mathcal{A}_s{}^{\parallel}{}_{\alpha\beta}$	$^{2^+}\mathcal{A}_s{}^{\perp}{}_{\alpha\beta}$	$^{2^-}\mathcal{A}_a{}^{\parallel}{}_{\alpha\beta\chi}$	$^{2^-}\mathcal{A}_s{}^{\parallel}{}_{\alpha\beta\chi}$
$^{2^+}h^{\parallel\dagger\alpha\beta}$	0	$-\frac{i a_0 k}{4\sqrt{2}}$	$-\frac{i a_0 k}{4\sqrt{3}}$	$\frac{i a_0 k}{4\sqrt{6}}$	0	0
$^{2^+}\mathcal{A}_a{}^{\parallel\dagger\alpha\beta}$	$\frac{i a_0 k}{4\sqrt{2}}$	$\frac{a_0}{4}$	0	0	0	0
$^{2^+}\mathcal{A}_s{}^{\parallel\dagger\alpha\beta}$	$\frac{i a_0 k}{4\sqrt{3}}$	0	$\frac{1}{6}\left(-3 a_0 - c_3 k^2\right)$	$\frac{c_3 k^2}{6\sqrt{2}}$	0	0
$^{2^+}\mathcal{A}_s{}^{\perp\dagger\alpha\beta}$	$-\frac{i a_0 k}{4\sqrt{6}}$	0	$\frac{c_3 k^2}{6\sqrt{2}}$	$\frac{1}{12}\left(3 a_0 - c_3 k^2\right)$	0	0
$^{2^-}\mathcal{A}_a{}^{\parallel\dagger\alpha\beta\chi}$	0	0	0	0	$\frac{a_0}{4}$	0
$^{2^-}\mathcal{A}_s{}^{\parallel\dagger\alpha\beta\chi}$	0	0	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

	$^{0^+}\mathcal{T}^{\perp}$	$^{0^+}\mathcal{T}^{\parallel}$	$^{0^+}\mathcal{W}_a{}^{\parallel}$	$^{0^+}\mathcal{W}_s{}^{\perp t}$	$^{0^+}\mathcal{W}_s{}^{\parallel}$	$^{0^+}\mathcal{W}_s{}^{\perp h}$	$^{0^-}\mathcal{W}_a{}^{\parallel}$
$^{0^+}\mathcal{T}^{\perp\dagger}$	$\frac{-36 a_0 k^2+96 c_3 k^4}{a_0^2\left(16+3 k^2\right)^2}$	$\frac{4\sqrt{3}}{16 a_0+3 a_0 k^2}$	$\frac{2 i \sqrt{6} k}{16 a_0+3 a_0 k^2}$	$\frac{24 i k\left(-3 a_0+8 c_3 k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	$\frac{8 i k\left(19 a_0+\left(3 a_0-8 c_3\right) k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	$-\frac{4 i \sqrt{2} k\left(10 a_0+\left(3 a_0+16 c_3\right) k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	0
$^{0^+}\mathcal{T}^{\parallel\dagger}$	$\frac{4\sqrt{3}}{16 a_0+3 a_0 k^2}$	$\frac{4}{a_0 k^2}$	$\frac{2 i \sqrt{2}}{a_0 k}$	$\frac{8 i \sqrt{3}}{16 a_0 k+3 a_0 k^3}$	$-\frac{8 i}{\sqrt{3}\left(16 a_0 k+3 a_0 k^3\right)}$	$-\frac{8 i \sqrt{\frac{2}{3}}}{16 a_0 k+3 a_0 k^3}$	0
$^{0^+}\mathcal{W}_a{}^{\parallel\dagger}$	$-\frac{2 i \sqrt{6} k}{16 a_0+3 a_0 k^2}$	$-\frac{2 i \sqrt{2}}{a_0 k}$	0	$\frac{4\sqrt{6}}{16 a_0+3 a_0 k^2}$	$-\frac{4\sqrt{\frac{2}{3}}}{16 a_0+3 a_0 k^2}$	$-\frac{8}{\sqrt{3}\left(16 a_0+3 a_0 k^2\right)}$	0
$^{0^+}\mathcal{W}_s{}^{\perp t\dagger}$	$\frac{24 i k\left(3 a_0-8 c_3 k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	$-\frac{8 i \sqrt{3}}{16 a_0 k+3 a_0 k^3}$	$\frac{4\sqrt{6}}{16 a_0+3 a_0 k^2}$	$\frac{48\left(-3 a_0+8 c_3 k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	$\frac{16\left(19 a_0+\left(3 a_0-8 c_3\right) k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	$-\frac{8\sqrt{2}\left(10 a_0+\left(3 a_0+16 c_3\right) k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	0
$^{0^+}\mathcal{W}_s{}^{\parallel\dagger}$	$-\frac{8 i k\left(19 a_0+\left(3 a_0-8 c_3\right) k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	$\frac{8 i}{\sqrt{3}\left(16 a_0 k+3 a_0 k^3\right)}$	$-\frac{4\sqrt{\frac{2}{3}}}{16 a_0+3 a_0 k^2}$	$\frac{16\left(19 a_0+\left(3 a_0-8 c_3\right) k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	$-\frac{16\left(-8 c_3 k^2+a_0\left(35+6 k^2\right)\right)}{3 a_0^2\left(16+3 k^2\right)^2}$	$-\frac{8\sqrt{2}\left(22 a_0+\left(3 a_0-16 c_3\right) k^2\right)}{3 a_0^2\left(16+3 k^2\right)^2}$	0
$^{0^+}\mathcal{W}_s{}^{\perp h\dagger}$	$\frac{4 i \sqrt{2} k\left(10 a_0+\left(3 a_0+16 c_3\right) k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	$\frac{8 i \sqrt{\frac{2}{3}}}{16 a_0 k+3 a_0 k^3}$	$-\frac{8}{\sqrt{3}\left(16 a_0+3 a_0 k^2\right)}$	$-\frac{8\sqrt{2}\left(10 a_0+\left(3 a_0+16 c_3\right) k^2\right)}{a_0^2\left(16+3 k^2\right)^2}$	$-\frac{8\sqrt{2}\left(22 a_0+\left(3 a_0-16 c_3\right) k^2\right)}{3 a_0^2\left(16+3 k^2\right)^2}$	$\frac{32\left(13 a_0+\left(3 a_0+8 c_3\right) k^2\right)}{3 a_0^2\left(16+3 k^2\right)^2}$	0
$^{0^-}\mathcal{W}_a{}^{\parallel\dagger}$	0	0	0	0	0	0	$-\frac{2}{a_0}$

	$^{1^+}\mathcal{W}_a{}^{\parallel}{}_{\alpha\beta}$	$^{1^+}\mathcal{W}_a{}^{\perp}{}_{\alpha\beta}$	$^{1^+}\mathcal{W}_s{}^{\perp}{}_{\alpha\beta}$	$^{1^-}\mathcal{T}^{\perp}{}_{\alpha}$	$^{1^-}\mathcal{W}_a{}^{\parallel}{}_{\alpha}$	$^{1^-}\mathcal{W}_a{}^{\perp}{}_{\alpha}$	$^{1^-}\mathcal{W}_s{}^{\perp t}{}_{\alpha}$	$^{1^-}\mathcal{W}_s{}^{\parallel t}{}_{\alpha}$	$^{1^-}\mathcal{W}_s{}^{\perp h}{}_{\alpha}$	$^{1^-}\mathcal{W}_s{}^{\parallel h}{}_{\alpha}$
$^{1^+}\mathcal{W}_a{}^{\parallel\dagger\alpha\beta}$	0	$-\frac{2\sqrt{2}}{a_0}$	0	0	0	0	0	0	0	0
$^{1^+}\mathcal{W}_a{}^{\perp\dagger\alpha\beta}$	$-\frac{2\sqrt{2}}{a_0}$	$\frac{2}{a_0}$	0	0	0	0	0	0	0	0
$^{1^+}\mathcal{W}_s{}^{\perp\dagger\alpha\beta}$	0	0	$\frac{4}{a_0-c_3 k^2}$	0	0	0	0	0	0	0
$^{1^-}\mathcal{T}^{\perp\dagger\alpha}$	0	0	0	$\frac{2 k^2\left(a_0+c_3 k^2\right)}{a_0^2\left(2+k^2\right)^2}$	$\frac{2 i \sqrt{2} k}{a_0\left(2+k^2\right)}$	$\frac{i k\left(-c_3 k^4+a_0\left(4+k^2\right)\right)}{a_0^2\left(2+k^2\right)^2}$	$\frac{i\sqrt{\frac{2}{3}} k\left(-2 a_0\left(1+k^2\right)+c_3 k^2\left(4+k^2\right)\right)}{a_0^2\left(2+k^2\right)^2}$	$\frac{i\sqrt{\frac{10}{3}} k}{a_0\left(2+k^2\right)}$	$-\frac{i k\left(4+k^2\right)\left(a_0+c_3 k^2\right)}{\sqrt{3} a_0^2\left(2+k^2\right)^2}$	$\frac{2 i\sqrt{\frac{2}{3}} k}{a_0\left(2+k^2\right)}$
$^{1^-}\mathcal{W}_a{}^{\parallel\dagger\alpha}$	0	0	0	$-\frac{2 i \sqrt{2} k}{2 a_0+a_0 k^2}$	0	$\frac{\sqrt{2}\left(4+k^2\right)}{a_0\left(2+k^2\right)}$	$-\frac{2 k^2}{\sqrt{3}\left(2 a_0+a_0 k^2\right)}$	0	$\frac{\sqrt{\frac{2}{3}} k^2}{2 a_0+a_0 k^2}$	0
$^{1^-}\mathcal{W}_a{}^{\perp\dagger\alpha}$	0	0	0	$\frac{i k\left(c_3 k^4-a_0\left(4+k^2\right)\right)}{a_0^2\left(2+k^2\right)^2}$	$\frac{\sqrt{2}\left(4+k^2\right)}{a_0\left(2+k^2\right)}$	$\frac{c_3 k^6+a_0\left(4+k^2\right)^2}{2 a_0^2\left(2+k^2\right)^2}$	$-\frac{k^2\left(2 a_0+c_3 k^2\left(4+k^2\right)\right)}{\sqrt{6} a_0^2\left(2+k^2\right)^2}$	$-\frac{\sqrt{\frac{5}{6}} k^2}{a_0\left(2+k^2\right)}$	$\frac{k^2\left(c_3 k^2\left(4+k^2\right)+a_0\left(8+3 k^2\right)\right)}{2\sqrt{3} a_0^2\left(2+k^2\right)^2}$	$-\frac{\sqrt{\frac{2}{3}} k^2}{a_0\left(2+k^2\right)}$
$^{1^-}\mathcal{W}_s{}^{\perp t\dagger\alpha}$	0	0	0	$-\frac{i\sqrt{\frac{2}{3}} k\left(-2 a_0\left(1+k^2\right)+c_3 k^2\left(4+k^2\right)\right)}{a_0^2\left(2+k^2\right)^2}$	$-\frac{2 k^2}{\sqrt{3}\left(2 a_0+a_0 k^2\right)}$	$-\frac{k^2\left(2 a_0+c_3 k^2\left(4+k^2\right)\right)}{\sqrt{6} a_0^2\left(2+k^2\right)^2}$	$\frac{1}{3}\left(-\frac{1}{c_3 k^2}+\frac{c_3 k^2\left(4+k^2\right)^2}{a_0^2\left(2+k^2\right)^2}-\frac{16+12 k^2+k^4}{a_0\left(2+k^2\right)^2}\right)$	$\frac{1}{3}\sqrt{5}\left(-\frac{1}{c_3 k^2}+\frac{1}{a_0-\frac{2 a_0}{4+k^2}}\right)$	$-\frac{2 a_0^2\left(2+k^2\right)^2+c_3^2 k^4\left(4+k^2\right)^2+2 a_0 c_3 k^2\left(4+3 k^2+k^4\right)}{3\sqrt{2} a_0^2 c_3 k^2\left(2+k^2\right)^2}$	$\frac{2}{3}\left(-\frac{1}{c_3 k^2}+\frac{1}{a_0-\frac{2 a_0}{4+k^2}}\right)$
$^{1^-}\mathcal{W}_s{}^{\parallel t\dagger\alpha}$	0	0	0	$-\frac{i\sqrt{\frac{10}{3}} k}{a_0\left(2+k^2\right)}$	0	$-\frac{\sqrt{\frac{5}{6}} k^2}{a_0\left(2+k^2\right)}$	$\frac{1}{3}\sqrt{5}\left(-\frac{1}{c_3 k^2}+\frac{1}{a_0-\frac{2 a_0}{4+k^2}}\right)$	$\frac{4}{3 a_0}-\frac{5}{3 c_3 k^2}$	$\frac{1}{3}\sqrt{\frac{5}{2}}\left(-\frac{2}{c_3 k^2}+\frac{1}{-a_0+\frac{2 a_0}{4+k^2}}\right)$	$-\frac{2\sqrt{5}\left(a_0-2 c_3 k^2\right)}{3 a_0 c_3 k^2}$
$^{1^-}\mathcal{W}_s{}^{\perp h\dagger\alpha}$	0	0	0	$\frac{i k\left(4+k^2\right)\left(a_0+c_3 k^2\right)}{\sqrt{3} a_0^2\left(2+k^2\right)^2}$	$\frac{\sqrt{\frac{2}{3}} k^2}{2 a_0+a_0 k^2}$	$\frac{k^2\left(c_3 k^2\left(4+k^2\right)+a_0\left(8+3 k^2\right)\right)}{2\sqrt{3} a_0^2\left(2+k^2\right)^2}$	$-\frac{2 a_0^2\left(2+k^2\right)^2+c_3^2 k^4\left(4+k^2\right)^2+2 a_0 c_3 k^2\left(4+3 k^2+k^4\right)}{3\sqrt{2} a_0^2 c_3 k^2\left(2+k^2\right)^2}$	$\frac{1}{3}\sqrt{\frac{5}{2}}\left(-\frac{2}{c_3 k^2}+\frac{1}{-a_0+\frac{2 a_0}{4+k^2}}\right)$	$\frac{1}{6}\left(-\frac{4}{c_3 k^2}+\frac{c_3 k^2\left(4+k^2\right)^2}{a_0^2\left(2+k^2\right)^2}+\frac{32+24 k^2+5 k^4}{a_0\left(2+k^2\right)^2}\right)$	$\frac{1}{3}\sqrt{2}\left(-\frac{2}{c_3 k^2}+\frac{1}{-a_0+\frac{2 a_0}{4+k^2}}\right)$
$^{1^-}\mathcal{W}_s{}^{\parallel h\dagger\alpha}$	0	0	0	$-\frac{2 i\sqrt{\frac{2}{3}} k}{2 a_0+a_0 k^2}$	0	$-\frac{\sqrt{\frac{2}{3}} k^2}{a_0\left(2+k^2\right)}$	$\frac{2}{3}\left(-\frac{1}{c_3 k^2}+\frac{1}{a_0-\frac{2 a_0}{4+k^2}}\right)$	$-\frac{2\sqrt{5}\left(a_0-2 c_3 k^2\right)}{3 a_0 c_3 k^2}$	$\frac{1}{3}\sqrt{2}\left(-\frac{2}{c_3 k^2}+\frac{1}{-a_0+\frac{2 a_0}{4+k^2}}\right)$	$\frac{4}{3}\left(\frac{5}{a_0}-\frac{1}{c_3 k^2}\right)$

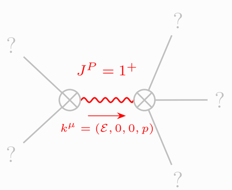
	$^{2^+}\mathcal{T}^{\parallel}{}_{\alpha\beta}$	$^{2^+}\mathcal{W}_a{}^{\parallel}{}_{\alpha\beta}$	$^{2^+}\mathcal{W}_s{}^{\parallel}{}_{\alpha\beta}$	$^{2^+}\mathcal{W}_s{}^{\perp}{}_{\alpha\beta}$	$^{2^-}\mathcal{W}_a{}^{\parallel}{}_{\alpha\beta\chi}$	$^{2^-}\mathcal{W}_s{}^{\parallel}{}_{\alpha\beta\chi}$
$^{2^+}\mathcal{T}^{\parallel\dagger\alpha\beta}$	$-\frac{8}{a_0 k^2}$	$-\frac{4 i \sqrt{2}}{a_0 k}$	$\frac{4 i}{\sqrt{3} a_0 k}$	$\frac{4 i \sqrt{\frac{2}{3}}}{a_0 k}$	0	0
$^{2^+}\mathcal{W}_a{}^{\parallel\dagger\alpha\beta}$	$\frac{4 i \sqrt{2}}{a_0 k}$	0	$\frac{2\sqrt{\frac{2}{3}}}{a_0}$	$\frac{4}{\sqrt{3} a_0}$	0	0
$^{2^+}\mathcal{W}_s{}^{\parallel\dagger\alpha\beta}$	$-\frac{4 i}{\sqrt{3} a_0 k}$	$\frac{2\sqrt{\frac{2}{3}}}{a_0}$	$\frac{2\left(-4 a_0+c_3 k^2\right)}{3 a_0^2}$	$-\frac{2\sqrt{2}\left(a_0-c_3 k^2\right)}{3 a_0^2}$	0	0
$^{2^+}\mathcal{W}_s{}^{\perp\dagger\alpha\beta}$	$-\frac{4 i \sqrt{\frac{2}{3}}}{a_0 k}$	$\frac{4}{\sqrt{3} a_0}$	$-\frac{2\sqrt{2}\left(a_0-c_3 k^2\right)}{3 a_0^2}$	$\frac{4\left(2 a_0+c_3 k^2\right)}{3 a_0^2}$	0	0
$^{2^-}\mathcal{W}_a{}^{\parallel\dagger\alpha\beta\chi}$	0	0	0	0	$\frac{4}{a_0}$	0
$^{2^-}\mathcal{W}_s{}^{\parallel\dagger\alpha\beta\chi}$	0	0	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
$k\, ^{0^+}\mathcal{W}_s{}^{\parallel} + 2 k\, ^{0^+}\mathcal{W}_s{}^{\perp h} - 6 i\, ^{0^+}\mathcal{T}^{\perp} == 0$	$2 \partial_{\beta}\partial_{\alpha}\mathcal{T}^{\alpha\beta} + \partial_{\chi}\partial^{\chi}\partial_{\alpha}\mathcal{W}^{\alpha\beta}{}_{\beta} == \partial_{\chi}\partial_{\beta}\partial_{\alpha}\mathcal{W}^{\alpha\beta\chi}$	1
$k\, ^{0^+}\mathcal{W}_s{}^{\perp t} + 2 i\, ^{0^+}\mathcal{T}^{\perp} == 0$	$2 \partial_{\beta}\partial_{\alpha}\mathcal{T}^{\alpha\beta} == \partial_{\chi}\partial_{\beta}\partial_{\alpha}\mathcal{W}^{\alpha\beta\chi}$	1
$k\, ^{1^-}\mathcal{W}_s{}^{\perp h\alpha} - 6 i\, ^{1^-}\mathcal{T}^{\perp\alpha} == k\left(3\, ^{1^-}\mathcal{W}_s{}^{\parallel t\alpha} + {}^{1^-}\mathcal{W}_s{}^{\perp t\alpha}\right)$	$2 \partial_{\chi}\partial_{\beta}\partial^{\alpha}\mathcal{T}^{\beta\chi} + \partial_{\delta}\partial^{\delta}\partial_{\beta}\partial^{\alpha}\mathcal{W}^{\beta\chi}{}_{\chi} == 2 \partial_{\delta}\partial^{\delta}\partial_{\beta}\mathcal{T}^{\alpha\beta} + \partial_{\delta}\partial_{\chi}\partial_{\beta}\partial^{\alpha}\mathcal{W}^{\beta\chi\delta}$	3
Total expected gauge generators:		5

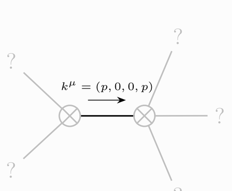
Massive spectrum



Massive particle

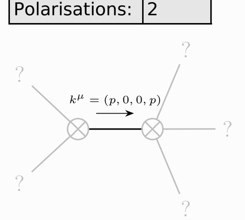
Pole residue:	$-\frac{4}{c_3} > 0$
Square mass:	$\frac{a_0}{c_3} > 0$
Spin:	1
Parity:	Even

Massless spectrum



Massless particle

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



Massless particle

Pole residue:	$\frac{1}{c_3} + \frac{6 c_3 p^4}{a_0^2} > 0$
Polarisations:	2

Gauge symmetries

(Not yet implemented in PSALTer)

Unitarity conditions

(Unitarity is demonstrably impossible)

Validity assumptions

(Not yet implemented in PSALTer)