

Calculations a0

$$8.0i\Delta\gamma g_1g_2\cos(\varphi)-8.0i\Delta\gamma g_1g_2\cos(\chi_{1L}-\chi_{2L}+\varphi)+16.0i\gamma^2g_1^2\sin(\chi_{1L})-16.0\gamma^2g_1^2\cos(\chi_{1L})+16.0\gamma^2g_1^2+16.0i\gamma^2g_1g_2\sin(\chi_{1L}+\varphi)+16.0i\gamma^2g_1g_2\sin(\chi_{2L}-\varphi)+16.0\gamma^2g_1g_2\cos(\varphi)-16.0\gamma^2g_1g_2\cos(\chi_{1L}+\varphi)-16.0\gamma^2g_1g_2\cos(\chi_{2L}-\varphi)+16.0\gamma^2g_1g_2\cos(\chi_{1L}-\chi_{2L}+\varphi)+16.0i\gamma^2g_2^2\sin(\chi_{2L})-16.0\gamma^2g_2^2\cos(\chi_{2L})+16.0\gamma^2g_2^2-4.0g_1^3g_2\sin(\chi_{1L})\sin(\chi_{1L}+\varphi)-4.0g_1^3g_2\cos(\chi_{1L})\cos(\chi_{1L}+\varphi)+4.0g_1^3g_2\cos(\varphi)+8.0g_1^2g_2^2\sin(\chi_{1L})\sin(\chi_{2L})\cos^2(\varphi)\cos(\chi_{1L}-\chi_{2L})-8.0g_1^2g_2^2\sin(\chi_{1L})\sin(\chi_{2L})\cos^2(\varphi)-8.0g_1^2g_2^2\sin(\chi_{1L})\sin(\chi_{2L})\cos(\chi_{1L}-\chi_{2L})-16.0g_1^2g_2^2\sin(\chi_{1L})\sin(\varphi)\cos(\chi_{1L})\cos^2(\chi_{2L})\cos(\varphi)+8.0g_1^2g_2^2\sin(\chi_{1L})\sin(\varphi)\cos(\chi_{1L})\cos(\varphi)+8.0g_1^2g_2^2\sin(\chi_{2L})$$

a1

$$\gamma\left(4.0\Delta^2+16.0\gamma^2+8.0g_1^2\sin(\chi_{1L})-8.0g_1^2\cos(\chi_{1L})+16.0g_1^2+8.0ig_1g_2\sin(\chi_{1L}+\varphi)+8.0ig_1g_2\sin(\chi_{2L}-\varphi)+16.0g_1g_2\cos(\varphi)-8.0g_1g_2\cos(\chi_{1L}+\varphi)-8.0g_1g_2\cos(\chi_{2L}-\varphi)+16.0g_1g_2\cos(\chi_{1L}-\chi_{2L}+\varphi)+8.0ig_2^2\sin(\chi_{2L})-8.0g_2^2\cos(\chi_{2L})+16.0g_2^2\right)$$

a2

$$1.0\Delta^2+20.0\gamma^2+4.0g_1^2+4.0g_1g_2\cos(\varphi)+4.0g_1g_2\cos(\chi_{1L}-\chi_{2L}+\varphi)+4.0g_2^2$$

Correlation 12

$$\frac{\tau g_1^2\left(0.00048828125\tau^2g_1^2\left(\tau^2\left(1.0\Delta^2+8.0g_1^2\cos(\varphi)+8.0g_1^2\right)+20.0\right)\left(\tau^2\left(4.0\Delta^2+16.0g_1^2\cos(\varphi)+16.0g_1^2\right)+16.0\right)\left(-8.0\Delta\tau\sin(\varphi)+16.0\cos(\varphi)+16.0\right)\left(8.0\Delta\tau\sin(\varphi)+16.0\cos(\varphi)+16.0\right)+i\tau^2g_1^2\left(0.25\Delta^2\tau^2+1.0\tau^2g_1^2\cos(\varphi)+1.0\tau^2g_1^2+1.0\right)^2\left(8.0\Delta\tau\sin^3(\varphi)-16.0i\sin^2(\varphi)+32.0i\cos(\varphi)+32.0i\right)+\left(\tau^2\left(0.25\Delta^2+1.0g_1^2\cos(\varphi)+1.0g_1^2\right)+1\right)^3\left(8.0i\Delta\tau\cos(\varphi)+8.0\tau^2g_1^2\sin^2(\varphi)-16.0\cos(\varphi)\right)\right)}{\left(\tau^2\left(0.25\Delta^2+1.0g_1^2\cos(\varphi)+1.0g_1^2\right)+1\right)^3\left(\tau^2\left(4.0\Delta^2+16.0g_1^2\cos(\varphi)+16.0g_1^2\right)+16.0\right)}$$

Correlation 0th order

$$0$$

Correlation 1th order

$$0$$

Correlation 2th order

$$0$$