| Parameter  | Fit result and error                             |
|--|--|
| Γ  | $0.67139 \pm 0.004853$                           |
| $\Delta\Gamma$   | $0.10001 \pm 0.016251$                           |
|  | $0.24867 \pm 0.0088262$                          |
| $\begin{vmatrix} A_{\perp}^2 \\ A_0^2 \end{vmatrix}$                           | $0.52114 \pm 0.0061428$                          |
| $\delta_{\parallel}$   | $3.3069 \pm 0.16037$                             |
| $\begin{vmatrix} \delta_{\parallel} \\ \delta_{\perp} \end{vmatrix}$           | $3.0784 \pm 0.21943$                             |
| $F_{S}(990)$   | $0.22699 \pm 0.075688$                           |
| $\delta_S(990)$  | $1.3081 \pm 0.66082$                             |
| $\Delta m_s$   | $17.669 \pm 0.076983$                            |
| $\phi_s$   | $0.067123 \pm 0.091117$                          |
| $\lambda$  | $0.94447 \pm 0.035565$                           |
| $\omega_{P1}^{OS}$   | $1.0004 \pm 0.022937$                            |
| $\begin{bmatrix} \omega P_1 \\ \omega OS \end{bmatrix}$                        | $0.39191 \pm 0.0077904$                          |
| $\begin{vmatrix} \omega P_0 \\ \delta OS \end{vmatrix}$                        | $0.03131 \pm 0.0077304$ $0.011051 \pm 0.0033969$ |
| $P_0$ $P_0$ resolution   |  |
| $\sigma(\tau)_{\text{scale}}$  | $1.4511 \pm 0.059376$ $1.0303 \pm 0.15867$       |
| $\left \begin{array}{c} \omega_{P1}^{\sim} \\ SS \end{array}\right $           |  |
| $\left \begin{array}{c} \omega_{P0}^{\sim} \\ \varsigma SS \end{array}\right $ | $0.3554 \pm 0.016328$                            |
| $0\tilde{P}_{0}^{0}$<br>OS+SS  | $-0.018935 \pm 0.0049995$                        |
| $ \omega_{P0} $  | $0.0048304 \pm 0.024529$                         |
| $  {}^{0}P_{0}$  | $-0.011076 \pm 0.0040007$                        |
| $F_S(1008)$  | $0.066776 \pm 0.029256$                          |
| $\delta_S(1008)$   | $0.77009 \pm 0.28877$                            |
| $F_S(1016)$  | $0.0081715 \pm 0.022524$                         |
| $\delta_S(1016)$   | $0.48983 \pm 0.90834$                            |
| $F_S(1020)$  | $0.016043 \pm 0.010599$                          |
| $\delta_S(1020)$   | $-0.51584 \pm 0.25763$                           |
| $F_S(1024)$  | $0.055303 \pm 0.025847$                          |
| $\delta_S(1024)$   | $-0.45202 \pm 0.20266$                           |
| $F_S(1032)$  | $0.16761 \pm 0.041517$                           |
| $\delta_S(1032)$   | $-0.653 \pm 0.1988$                              |
| $\delta_0$   | $0\pm0$  |
| $C_{S-P}(990)$   | $0.966 \pm 0$                                    |
| $\bar{\omega}_{\omega}^{OS}$   | $0.392 \pm 0$                                    |
| $\delta_{P_1}^{OS}$  | $0\pm0$  |
| $\delta_{\bar{\omega}_{GG}}^{OS}$  | $0 \pm 0$  |
| $egin{array}{c} ar{\omega}^{SS}_{\omega} \ \delta^{SS}_{B1} \end{array}$       | $0.35 \pm 0$                                     |
| $\delta_{P_1}^{SS}$  | $0\pm0$  |
| $\delta_{\bar{\omega}}^{SS}$   | $0\pm0$  |
| $\omega_{P1}^{OS+SS}$  | $1\pm0$  |
| $\bar{\omega}^{OS+SS}$   | $0\pm0$  |
| $\delta_{P1}^{OS+SS}$  | $0\pm0$  |
| $\delta_{\bar{\omega}}^{OS+SS}$  | $0\pm0$  |
| $C_{S-P}(1008)$  | $0.956 \pm 0$                                    |
| $C_{S-P}(1016)$  | $0.926 \pm 0$                                    |
| $C_{S-P}(1020)$  | $0.926 \pm 0$                                    |
| $C_{S-P}(1024)$  | $0.956 \pm 0$                                    |
| $C_{S-P}(1032)$  | $0.966 \pm 0$                                    |
|  | l .  |

Table 1: Some Caption

| Parameter   | Fit result and error      | $\sigma$ from input |
|---|---------------------------|---------------------|
| Γ   | $0.67139 \pm 0.004853$    | 0.00043             |
| $\Delta\Gamma$  | $0.10001 \pm 0.016251$    | 0.00032             |
| $A^2$   | $0.24867 \pm 0.0088262$   | -0.00089            |
| $A_0^{\frac{1}{2}}$   | $0.52114 \pm 0.0061428$   | 0.00015             |
| $ \delta_{\parallel}$   | $3.3069 \pm 0.16037$      | 0.0074              |
| $\delta_{\perp}^{"}$  | $3.0784 \pm 0.21943$      | 0.0043              |
| $F_S(990)$  | $0.22699 \pm 0.075688$    | 0.0042              |
| $\delta_S(990)$   | $1.3081 \pm 0.66082$      | -0.025              |
| $\Delta m_s$  | $17.669 \pm 0.076983$     | -0.0085             |
| $\phi_s$  | $0.067123 \pm 0.091117$   | 0.0013              |
| $\lambda$   | $0.94447 \pm 0.035565$    | 0.013               |
| $\omega_{P1}^{OS}$  | $1.0004 \pm 0.022937$     | 0.0022              |
| $\omega_{P0}^{OS}$  | $0.39191 \pm 0.0077904$   | 0.00093             |
| $\delta_{P0}^{OS}$  | $0.011051 \pm 0.0033969$  | -0.00015            |
| $\sigma(\tau)^{\text{resolution}}$  | $1.4511 \pm 0.059376$     | 0.018               |
| $\omega_{B1}^{SS}$  | $1.0303 \pm 0.15867$      | 0.00014             |
| $\begin{bmatrix} \omega_{P1} \\ \omega_{P2}^{SS} \end{bmatrix}$                                 | $0.3554 \pm 0.016328$     | -0.0012             |
| $\delta_{SS}^{SS}$  | $-0.018935 \pm 0.0049995$ | 0.00013             |
| $\bigcup_{\omega PS}^{PO} S+SS$   | $0.0048304 \pm 0.024529$  | 0.00081             |
| $\delta_{P0}^{OS+SS}$   | $-0.011076 \pm 0.0040007$ | 0.00024             |
| $F_{S}(1008)$   | $0.066776 \pm 0.029256$   | 0.0017              |
| $\delta_S(1008)$  | $0.77009 \pm 0.28877$     | -0.0044             |
| $F_S(1016)$   | $0.0081715 \pm 0.022524$  | 0.0013              |
| $\delta_S(1016)$  | $0.48983 \pm 0.90834$     | -0.00078            |
| $F_S(1020)$   | $0.016043 \pm 0.010599$   | 0.0023              |
| $\delta_S(1020)$  | $-0.51584 \pm 0.25763$    | 0.0025              |
| $F_S(1024)$   | $0.055303 \pm 0.025847$   | 0.0023              |
| $\delta_S(1024)$  | $-0.45202 \pm 0.20266$    | 0.0016              |
| $F_S(1032)$   | $0.16761 \pm 0.041517$    | -0.0039             |
| $\delta_S(1032)$  | $-0.653 \pm 0.1988$       | -0.00076            |
| $\delta_0$  | $0 \pm 0$                 | 0                   |
| $C_{S-P}(990)$  | $0.966 \pm 0$             | 0                   |
| $\bar{\omega}_{\omega}^{\tilde{O}S}$  | $0.392 \pm 0$             | 0                   |
| $\delta_{P1}^{\widetilde{O}S}$  | $0\pm0$                   | 0                   |
| $\delta_{\bar{\omega}}^{OS}$  | $0\pm0$                   | 0                   |
| $\bar{\omega}_{\omega}^{SS}$  | $0.35 \pm 0$              | 0                   |
| $\left egin{array}{c} \omega_{\omega} \ \delta_{P1}^{SS} \end{array} ight $                     | $0\pm0$                   | 0                   |
| $\delta_{\bar{\omega}}^{SS}$  | $0\pm0$                   | 0                   |
| $\omega_{D1}^{OS+SS}$   | $1\pm0$                   | 0                   |
| $\bar{\omega}^{OS+SS}$  | $0\pm0$                   | 0                   |
| $\delta_{P1}^{OS+SS}$   | $0\pm0$                   | 0                   |
| $\left egin{array}{c} \delta_{ar{\omega}}^{P1} \ \delta_{ar{\omega}}^{OS+SS} \end{array} ight.$ | $0\pm0$                   | 0                   |
| $C_{S-P}(1008)$   | $0.956 \pm 0$             | 0                   |
| $C_{S-P}(1016)$   | $0.926 \pm 0$             | 0                   |
| $C_{S-P}(1020)$   | $0.926 \pm 0$             | 0                   |
| $C_{S-P}(1024)$   | $0.956 \pm 0$             | 0                   |
| $C_{S-P}(1032)$   | $0.966 \pm 0$             | 0                   |

Table 2: Some Caption

| Parameter   | Fit result and error   | $\sigma$ from input | Abs from input  |
|---|--|---------------------|---|
| Γ   | $0.67139 \pm 0.004853$   | 0.00043             | 2.1061e-06  |
| $\Delta\Gamma$  | $0.10001 \pm 0.016251$   | 0.00032             | 5.275e-06   |
| $\begin{array}{ c c } A_{\perp}^2 \\ A_0^2 \end{array}$   | $0.24867 \pm 0.0088262$  | -0.00089            | -7.8332e-06   |
| $A_0^{\frac{1}{2}}$   | $0.52114 \pm 0.0061428$  | 0.00015             | 9.2692e-07  |
| $\delta_{\parallel}$  | $3.3069 \pm 0.16037$   | 0.0074              | 0.0011842   |
| $\delta_{\perp}$  | $3.0784 \pm 0.21943$   | 0.0043              | 0.00094599  |
| $F_{S}(990)$  | $0.22699 \pm 0.075688$   | 0.0042              | 0.00031761  |
| $\delta_S(990)$   | $1.3081 \pm 0.66082$   | -0.025              | -0.016549   |
| $\Delta m_s$  | $17.669 \pm 0.076983$  | -0.0085             | -0.00065157   |
| $\phi_s$  | $0.067123 \pm 0.091117$  | 0.0013              | 0.00012278  |
| $\lambda$   | $0.94447 \pm 0.035565$   | 0.013               | 0.00046874  |
|   | $1.0004 \pm 0.022937$  | 0.0022              | 4.9931e-05  |
| $\omega_{P1}^{OS}$  | $0.39191 \pm 0.0077904$  | 0.00022             | 7.2279e-06  |
| $egin{array}{c} \omega_{P0} \ \delta_{P0}^{OS} \end{array}$   | $\begin{array}{c} 0.39191 \pm 0.0077904 \\ 0.011051 \pm 0.0033969 \end{array}$ | -0.00035            | -5.0271e-07   |
| $\sigma_{P0}$ $\sigma(\tau)_{\text{scale}}^{\text{resolution}}$                                       |  |                     |   |
| $\sigma(\tau)_{\text{scale}}$   | $1.4511 \pm 0.059376$  | 0.018               | 0.001087  |
| $\left \begin{array}{c}\omega_{P1}^{\mathcal{SS}}\\ SS\end{array}\right $                             | $1.0303 \pm 0.15867$   | 0.00014             | 2.2175e-05  |
| $\omega_{P0}^{SS}$  | $0.3554 \pm 0.016328$  | -0.0012             | -2.0165e-05   |
| $\delta_{P0}^{SS}$ $OS+SS$  | $-0.018935 \pm 0.0049995$  | 0.00013             | 6.302e-07   |
| $\omega_{P0}^{OS+SS}$   | $0.0048304 \pm 0.024529$   | 0.00081             | 1.9982e-05  |
| $  o_{P0}  $  | $-0.011076 \pm 0.0040007$  | 0.00024             | 9.7955e-07  |
| $F_S(1008)$   | $0.066776 \pm 0.029256$  | 0.0017              | 4.9937e-05  |
| $\delta_S(1008)$  | $0.77009 \pm 0.28877$  | -0.0044             | -0.0012766  |
| $F_S(1016)$   | $0.0081715 \pm 0.022524$   | 0.0013              | 2.8605e-05  |
| $\delta_S(1016)$  | $0.48983 \pm 0.90834$  | -0.00078            | -0.00070836   |
| $F_S(1020)$   | $0.016043 \pm 0.010599$  | 0.0023              | 2.4079e-05  |
| $\delta_S(1020)$  | $-0.51584 \pm 0.25763$   | 0.0025              | 0.00064407  |
| $F_S(1024)$   | $0.055303 \pm 0.025847$  | 0.0023              | 6.0663e-05  |
| $\delta_S(1024)$  | $-0.45202 \pm 0.20266$   | 0.0016              | 0.00031445  |
| $F_S(1032)$   | $0.16761 \pm 0.041517$   | -0.0039             | -0.00016337   |
| $\delta_S(1032)$  | $-0.653 \pm 0.1988$  | -0.00076            | -0.00015026   |
| $\delta_0$  | $0 \pm 0$  | 0                   | 0   |
| $C_{S-P}(990)$  | $0.966 \pm 0$  | 0                   | 0   |
| $\bar{\omega}^{OS}_{\omega}$  | $0.392 \pm 0$  | 0                   | 0   |
| $\delta_{P1}^{\tilde{O}S}$  | $0 \pm 0$  | 0                   | 0   |
| $\delta_{\bar{\omega}}^{OS}$  | $0 \pm 0$  | 0                   | 0   |
| $egin{array}{c} o_{\widetilde{\omega}}^{SS} \ ar{\omega}_{\omega}^{SS} \ ar{\delta}^{SS} \end{array}$ | $0.35 \pm 0$   | 0                   | 0   |
| $\delta_{P1}^{\widetilde{S}S}$  | $0\pm0$  | 0                   | 0   |
| 1 2   | $0\pm0$  | 0                   | 0   |
| $\left egin{array}{c} \delta^{SS}_{ar{\omega}} \ \omega^{OS+SS}_{P1} \end{array} ight $               | $1 \pm 0$  | 0                   | 0   |
| $\bar{\omega}^{OS+SS}$  | $0 \pm 0$  | 0                   | 0   |
| $\delta OS + SS$  | $0\pm0$  | 0                   | 0   |
| $\delta^{OS+SS}_{ar{\omega}}$   | $0\pm0$  | 0                   | 0   |
| $C_{S-P}(1008)$   | $0.956 \pm 0$  | 0                   |   |
| $C_{S-P}(1016)$   | $0.926 \pm 0$  | 0                   |   |
| $C_{S-P}(1010)$   | $0.926 \pm 0$ $0.926 \pm 0$  | 0                   |   |
| $C_{S-P}(1020)$ $C_{S-P}(1024)$   | $0.926 \pm 0$ $0.956 \pm 0$  | 0                   | $\begin{bmatrix} 0 \\ 0 \end{bmatrix}$                  |
| $C_{S-P}(1024)$ $C_{S-P}(1032)$   | $0.966 \pm 0$  | 0                   | $\begin{bmatrix} 0 \\ 0 \end{bmatrix}$                  |
| $\tau_{\text{Offset}}$  | $0 \pm -2$   | 0                   | $\begin{bmatrix} & & & & & & & & & & & & & & & & & & &$ |
| · Onset   | <u> </u>   |                     |   |

Table 3: Some Caption

| Parameter  | Fit result and error  | $\sigma$ from input |
|--|---|---------------------|
| Γ  | $0.67139 \pm 0.004853$  | 0.00043             |
| $\Delta\Gamma$   | $0.10001 \pm 0.016251$  | 0.00043             |
| $A_{\perp}^{2}$  | $0.24867 \pm 0.0088262$   | -0.00089            |
| $A_0^{\frac{1}{2}}$  | $0.52114 \pm 0.0061428$   | 0.00015             |
|  | $3.3069 \pm 0.16037$  | 0.0074              |
| $\left egin{array}{c} \delta_{\parallel} \ \delta_{\perp} \end{array} ight.$     | $3.0784 \pm 0.21943$  | 0.0074              |
| $F_{S}(990)$   | $0.22699 \pm 0.075688$  | 0.0043              |
| $\delta_S(990)$  | $\begin{array}{c} 0.22099 \pm 0.075088 \\ 1.3081 \pm 0.66082 \end{array}$ | -0.025              |
| $\Delta m_s$   | $17.669 \pm 0.076983$   | -0.0085             |
| $\phi_s$   | $0.067123 \pm 0.091117$   | 0.0013              |
| $\begin{vmatrix} \varphi_s \\ \lambda \end{vmatrix}$                             | $0.94447 \pm 0.035565$  | 0.013               |
| $  {}^{\lambda}_{i,OS}  $  | $1.0004 \pm 0.022937$   | 0.0022              |
| $\begin{array}{c} \omega_{P1} \\ OS \end{array}$                                 | $0.39191 \pm 0.0077904$   | 0.0022              |
| $\left \begin{array}{c} \omega_{P0} \\ \delta^{OS} \end{array}\right $           | $0.011051 \pm 0.0033969$  | -0.00015            |
| $\sigma_{P0} = \sigma(\tau)^{\text{resolution}}$                                 |   |                     |
| $\sigma(\tau)_{\text{scale}}$  | $1.4511 \pm 0.059376$   | 0.018               |
| $\left \begin{array}{c} \omega_{P1}^{\sim} \\ \\ \\ \\ \\ \\ \end{array}\right $ | $1.0303 \pm 0.15867$  | 0.00014             |
| $\left \begin{array}{c}\omega_{P0}^{SS}\\ cSS\end{array}\right $                 | $0.3554 \pm 0.016328$   | -0.0012             |
| $0\tilde{P}_{0}^{0}$<br>OS+SS  | $-0.018935 \pm 0.0049995$   | 0.00013             |
| $\left \begin{array}{c} \omega_{P0}^{OS+SS} \\ sOS+SS \end{array}\right $        | $0.0048304 \pm 0.024529$  | 0.00081             |
| $  {}^{0}P_{0}$  | $-0.011076 \pm 0.0040007$   | 0.00024             |
| $F_S(1008)$  | $0.066776 \pm 0.029256$   | 0.0017              |
| $\delta_S(1008)$   | $0.77009 \pm 0.28877$   | -0.0044             |
| $F_S(1016)$  | $0.0081715 \pm 0.022524$  | 0.0013              |
| $\delta_S(1016)$   | $0.48983 \pm 0.90834$   | -0.00078            |
| $F_S(1020)$  | $0.016043 \pm 0.010599$   | 0.0023              |
| $\delta_S(1020)$   | $-0.51584 \pm 0.25763$  | 0.0025              |
| $F_S(1024)$  | $0.055303 \pm 0.025847$   | 0.0023              |
| $\delta_S(1024)$   | $-0.45202 \pm 0.20266$  | 0.0016              |
| $F_S(1032)$  | $0.16761 \pm 0.041517$  | -0.0039             |
| $\delta_S(1032)$   | $-0.653 \pm 0.1988$   | -0.00076            |
| $\delta_0$   | $0 \pm 0$   | 0                   |
| $C_{S-P}(990)$   | $0.966 \pm 0$   | 0                   |
| $\bar{\omega}^{OS}_{\omega}$   | $0.392 \pm 0$   | 0                   |
| $\left \begin{array}{c} \delta_{P1}^{OS} \\ sOS \end{array}\right $              | $0\pm0$   | 0                   |
| $\delta_{\bar{\omega}_{gg}}^{OS}$  | $0\pm0$   | 0                   |
| $\bar{\omega}_{\omega}^{SS}$   | $0.35 \pm 0$  | 0                   |
| $egin{array}{c} \omega_\omega \ \delta_{P1}^{SS} \ \end{array}$                  | $0 \pm 0$   | 0                   |
| $\delta_{\bar{\omega}}^{SS}$   | $0\pm0$   | 0                   |
| $\omega_{P_1}^{OS+SS}$   | $1\pm0$   | 0                   |
| $\bar{\omega}^{OS+SS}$   | $0\pm0$   | 0                   |
| $\delta_{P1}^{OS+SS}$  | $0\pm0$   | 0                   |
| $\delta_{ar{\omega}}^{OS+SS}$  | $0\pm0$   | 0                   |
| $C_{S-P}(1008)$  | $0.956 \pm 0$   | 0                   |
| $C_{S-P}(1016)$  | $0.926 \pm 0$   | 0                   |
| $C_{S-P}(1020)$  | $0.926 \pm 0$   | 0                   |
| $C_{S-P}(1024)$  | $0.956 \pm 0$   | 0                   |
| $C_{S-P}(1032)$  | $0.966 \pm 0$   | 0                   |
| $	au_{ m Offset}$  | $0 \pm -2$  | 0                   |

Table 4: Some Caption

|   | T2: 1: 1                              |
|---|---------------------------------------|
| Parameter   | Fit result and error                  |
| Γ   | $0.671 \pm 0.00485$                   |
| $\Delta\Gamma$  | $0.1 \pm 0.0163$                      |
| $A_{\perp}^2$   | $0.249 \pm 0.00883$                   |
| $A_0^{\frac{1}{2}}$   | $0.521 \pm 0.00614$                   |
| $\delta_{\parallel}$  | $3.31 \pm 0.16$                       |
| $\delta''$  | $3.08 \pm 0.219$                      |
| $F_S(990)$  | $0.227 \pm 0.0757$                    |
| $\delta_S(990)$   | $1.31 \pm 0.661$                      |
| $\Delta m_s$  | $17.7 \pm 0.077$                      |
| $\phi_s$  | $0.0671 \pm 0.0911$                   |
| $\lambda$   | $0.944 \pm 0.0356$                    |
| $\omega_{P1}^{OS}$  | $1 \pm 0.0229$                        |
| $\begin{array}{c} \omega_{OS}^{P_1} \\ \omega_{DS}^{P_2} \end{array}$             | $0.392 \pm 0.00779$                   |
| $\delta_{OS}^{P0}$  | $0.0111 \pm 0.0034$                   |
| $\sigma_{\rho_0}^{\rho_0}$ resolution   | $1.45 \pm 0.0594$                     |
| $\frac{O(7)_{\text{scale}}}{.SS}$   | $1.43 \pm 0.0394$<br>$1.03 \pm 0.159$ |
| $\omega_{P1}$   |                                       |
| $\omega_{P0}^{\omega_{P0}}$   | $0.355 \pm 0.0163$                    |
| $0\tilde{P0}$<br>, $OS+SS$  | $-0.0189 \pm 0.005$                   |
| $\delta_{P0}^{OS+SS}$   | $0.00483 \pm 0.0245$                  |
| $  {}^{\circ}P0$  | $-0.0111 \pm 0.004$                   |
| $F_S(1008)$   | $0.0668 \pm 0.0293$                   |
| $\delta_S(1008)$  | $0.77 \pm 0.289$                      |
| $F_S(1016)$   | $0.00817 \pm 0.0225$                  |
| $\delta_S(1016)$  | $0.49 \pm 0.908$                      |
| $F_S(1020)$   | $0.016 \pm 0.0106$                    |
| $\delta_S(1020)$  | $-0.516 \pm 0.258$                    |
| $F_S(1024)$   | $0.0553 \pm 0.0258$                   |
| $\delta_S(1024)$  | $-0.452 \pm 0.203$                    |
| $F_S(1032)$   | $0.168 \pm 0.0415$                    |
| $\delta_S(1032)$  | $-0.653 \pm 0.199$                    |
| $\delta_0$  | $0\pm0$                               |
| $C_{S-P}(990)$  | $0.966 \pm 0$                         |
| $\bar{\omega}_{\omega}^{OS}$  | $0.392 \pm 0$                         |
| $\delta_{P1}^{OS}$  | $0\pm0$                               |
| $\delta_{ar{\omega}}^{OS}$  | $0\pm0$                               |
| $egin{array}{c} ar{\omega}_{\omega}^{SS} \ \delta_{B1}^{SS} \end{array}$          | $0.35 \pm 0$                          |
| $\delta_{P1}^{\tilde{S}S}$  | $0\pm0$                               |
| $\delta_{\bar{\omega}}^{\dot{S}\dot{S}}$  | $0\pm0$                               |
| $\omega_{D1}^{\omega OS+SS}$  | $1\pm0$                               |
| $\left egin{array}{c} \omega_{P1}^{OS+SS} \ ar{\omega}^{OS+SS} \end{array} ight $ | $0\pm0$                               |
| $\delta_{P1}^{OS+SS}$   | $0 \pm 0$                             |
| $\delta_{ar{\omega}}^{OS+SS}$   | $0 \pm 0$                             |
| $C_{S-P}(1008)$   | $0.956 \pm 0$                         |
| $C_{S-P}(1008)$ $C_{S-P}(1016)$   | $0.926 \pm 0$                         |
| $C_{S-P}(1010)$ $C_{S-P}(1020)$   | $0.926 \pm 0$                         |
|   | $0.920 \pm 0$<br>$0.956 \pm 0$        |
| $C_{S-P}(1024)$   | $0.956 \pm 0$<br>$0.966 \pm 0$        |
| $C_{S-P}(1032)$   |                                       |
| $	au_{ m Offset}$   | $0 \pm -2$                            |

Table 5: Some Caption

 $_{\rm left=3cm,bottom=2cm}$ 

| (1008)   | -0.04        | -0.02               | 0.01                                    | -0.04        | 0.01  | -0.07                 | -0.01        | 0.02                   | 0.00          | 0.01         | -0.12       | -0.00                   | -0.01        | 0.00                | -0.00                  | 0.01               | -0.07              | 0.00      | 0.04                  | 0.00   | -0.62             | 1.00        |             |                  |             |                  |             |                  |             |                  |
|--|--------------|---------------------|---|--------------|---|-----------------------|--------------|------------------------|---------------|--------------|-------------|-------------------------|--------------|---------------------|------------------------|--------------------|--------------------|-----------|-----------------------|--------|-------------------|-------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|
| $ \delta_S $   | 7            | <u></u>             |   | 2            | 33  | 20                    |              |                        | _             | <u></u>      | 33          |                         | _            | <u> </u>            | _                      | _                  | _                  |           | 33                    |        | _                 |             |             |                  |             |                  |             |                  |             |                  |
| 1008   | 0.0          | -0.0                | -0.01                                   | 0.0          | -0.0  | 0.0                   | 0.0          | -0.0                   | 0.0           | -0.0         | 0.13        | 0.0                     | 0.0          | -0.00               | 0.01                   | -0.01              | 0.07               | 0.00      | -0.03                 | -0.00  | 1.00              |             |             |                  |             |                  |             |                  |             |                  |
| $F_S(\cdot)$   |              |                     |   |              |   |                       |              |                        |               |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\delta_{P0}^{OS+SS}$  | -0.00        | 0.00                | -0.00                                   | 0.00         | 0.00  | -0.00                 | 0.00         | 0.00                   | -0.00         | -0.00        | -0.00       | -0.00                   | -0.00        | 0.00                | 0.00                   | -0.00              | -0.00              | 0.00      | 0.01                  | 1.00   |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\frac{\delta_{SS}^{SS} \omega_{P0}^{OS+SS} \delta_{P0}^{OS+SS} F_{S}(1008) \delta_{S}(1008)}{\delta_{S}(1008)}$ | -0.01        | 0.01                | -0.01                                   | -0.00        | 0.01  | 0.03                  | -0.02        | 0.02                   | -0.00         | -0.03        | -0.06       | -0.00                   | -0.01        | 0.00                | -0.02                  | -0.00              | -0.01              | 0.00      | 1.00                  |        |                   |             |             |                  |             |                  |             |                  |             |                  |
|  | -0.00        | 0.01 0.00           | -0.00                                   | -0.00        | 0.00  | 0.00                  | -0.00        | 0.00                   | 0.00          | -0.00        | 0.05 - 0.00 | 0.00-00.00              | 0.02   -0.00 | 0.00                | -0.00                  | 00.0 00.0-00.      | -0.00              | 1.00      |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\omega_{P0}^{SS}$   | 0.02         | 0.01                | 0.00                                    | 0.05         | -0.04                                       | -0.03                 | 0.01         | 0.02                   | 0.01          | -0.03        | 0.05        |                         | 0.02         | 0.00                | -0.02                  | 0.00               | 1.00               |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\omega_{P1}^{SS}$   | 0.00         | 0.00                | 0.00                                    | 0.00 00.00   | -0.03  -0.01  -0.04                         | -0.01                 |              | 0.00                   |               | 0.01   -0.00 | 0.01        | 0.00                    | 0.00         | 0.00 0.00 0.00 0.00 | 1.00 -0.00 -0.02 -0.00 | 1.00               |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\delta_{P0}^{OS}  \sigma\left(	au\right)_{ m scale}^{ m resolution} $   | 0.00         | -0.00               | 0.01                                    | 0.00         | -0.03                                       | -0.02 $-0.01$         | -0.00 -0.00  | -0.00                  | -0.01   -0.01 | 0.01         | 0.01        | 0.00                    | -0.02        | -0.00               | 1.00                   |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\sigma(\tau)$   |              | _                   | _                                       | _            | _   | _                     | _            | _                      | _             | _            | _           | _                       | _            | _                   |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\delta_{P0}^{OS}$   | -0.00        | 0.00                | -0.00                                   | -0.00        | 0.00  | -0.00                 | -0.00        | 0.00                   | 0.00          | -0.00        | -0.00       | 0.01   -0.00            | -0.00        | 1.00                |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\omega_{P0}^{OS}$   | 0.03 - 0.00  | 0.00   00.0         | 0.00   -0.00                            | 0.02   -0.00 | 0.05  | 0.03                  | 0.01   -0.00 | -0.02                  | 0.00   00.0   | 0.03   -0.00 | 0.12 -      | 0.01                    | 1.00         |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\omega_{P1}^{OS}$   | 0.00         | 0.00                | 0.00                                    | 0.00         | 0.00  | -0.00   -0.03   -0.00 | 0.00         | 0.00                   | 0.01          | 0.01         |             | 1.00                    |              |                     |                        |                    |                    |           | -                     |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| 7  | 0.09         | 0.01                | -0.06 $-0.00$                           | 0.07         | 0.02  | 0.01                  | 0.03         | 0.03                   | -0.06         | 0.05 - 0.01  | 00.1        |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             | _                |
| $\phi_s$   | 0.07         | 0.06                | 0.09                                    | 0.06         | 0.03 - (                                    | 0.28                  | 0.02         | 0.03 - (               | 0.21 - 0.01   | 1.00         |             |                         |              |                     |                        |                    | -                  |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\Delta m_s$   |              | 0.03 - 0.06         | -0.01                                   | 0.00 - 0.06  | 0.01   -0.03   -0.02   -0.00   -0.05   0.00 | 0.58                  | 0.02         | 1.00 -0.08 -0.03 -0.03 | 1.00          |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $ \Delta m_s   \Delta m_s $  | -0.00   -0.0 | 0.01                | 0.02                                    | 0.01         | -0.10                                       | -0.22                 | -0.18        | 1.00                   |               |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             | _                |
|  |              | 6(                  | 7                                       | 55           |   |                       |              |                        |               |              |             |                         |              |                     |                        |                    | -                  |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\delta_{\perp}  F_S(990)  \delta_S$   | 0.05         | -0.0                | 0.04                                    | -0.0         | 0.0   | 0.02                  | 1.0          |                        |               |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\delta_{\perp}$   | -0.03        | 0.03                | -0.10                                   | -0.01        | 0.32  | 1.00                  |              |                        |               |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  | _           |                  |             |                  |             |                  |
| $\delta_{\parallel}$   | 0.11         | 0.04                | 0.31                                    | 0.03         | 1.00  |                       |              |                        |               |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $A_0^2$  | -0.25 - 0.0  | .00 -0.68 0.64 0.04 | $1.00   \mathbf{-0.57}   -0.31   -0.10$ | 1.00 -       |   |                       |              |                        |               |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $A^2_{\perp}$  | 0.37         | 89.0                | 1.00                                    |              |   |                       |              |                        |               |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
| $\Delta\Gamma$   | -0.39        | 1.00-1              |   |              |   |                       |              |                        |               |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             | _                |
| Ĺ  | 1.00-(       |                     |   |              |   |                       |              |                        |               |              |             |                         |              |                     |                        |                    |                    |           |                       |        |                   |             |             |                  |             |                  |             |                  |             |                  |
|  | 1            | <u></u>             | $4_{-}^{2}$                             | $4_0^2$      |   |                       | $F_S(990)$   | $\delta_S(990)$        | $\Delta m_s$  | $\phi_s$     |             | $\mathcal{L}_{P1}^{OS}$ | 0,003<br>P0  | $\delta_{P0}^{OS}$  | $(\tau)_{\rm scale}$   | $\sigma_{P1}^{SS}$ | $\sigma_{P0}^{SS}$ | 588<br>P0 | $\omega_{P0}^{OS+SS}$ | SOS+SS | $\vec{F_S}(1008)$ | $S_S(1008)$ | $F_S(1016)$ | $\delta_S(1016)$ | $F_S(1020)$ | $\delta_S(1020)$ | $F_S(1024)$ | $\delta_S(1024)$ | $F_S(1032)$ | $\delta_S(1032)$ |

Table 6: Some Caption