| Observable | Amplitude model |  |  |  | Acceptance model |  |  | Mass fit model |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\sigma_{\mathrm{BW}}^{\Lambda}$ | $\sigma_{\text {radius }}^{\Lambda}$ | $\sigma$ amp. | $\sigma_{\text {res }}$ | $\sigma_{\text {finite }}$ | $\sigma_{\text {acc }}$ | $\sigma_{\text {kin }}$ | $\sigma_{p K}$ | $\sigma_{p \gamma}$ | $\sigma_{\text {comb }}$ |
|  | +1.2 | +0.0 | +0.9 | +0.0 | +0.2 | +0.2 | +0.0 | +0.0 | +0.1 | $+0.0$ |
| $\Lambda(1405)$ | +0.7 +1.0 | -0.0 | +0.9 +0.2 +0.3 | -0.4 +0.0 | -0.2 | -0.2 | -0.0 +0.1 | +0.1 +0.3 | -0.0 +0.1 | -0.0 +0.0 |
| $\Lambda(1520)$ | +1.0 -1.3 | +1.1 -1.1 | +0.3 +0.0 | +0.0 -0.1 | +0.2 -0.2 | +0.2 -0.2 | +0.1 -0.1 | +0.3 -0.0 | +0.1 -0.0 | +0.0 -0.1 |
|  | +3.6 | +1.8 | +0.5 | +0.3 | +0.3 | +0.2 | +0.1 | +0.0 | +0.1 | +0.0 |
| $\Lambda(1600)$ | -4.5 | $-1.8$ | +0.0 | $-0.2$ | $-0.3$ | $-0.2$ | $-0.1$ | $-0.1$ | -0.0 | $-0.0$ |
|  | +1.1 | +0.2 | $+0.2$ | +0.2 | +0.1 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 |
| $\Lambda(1670)$ | -0.3 +4.1 | -0.2 +2.0 | -0.2 | -0.2 | -0.1 +0.2 | -0.0 +0.1 | -0.0 +0.0 | -0.0 +0.1 | -0.0 +0.0 | -0.0 |
| $\Lambda(1690)$ | +4.1 | +2.0 | +1.5 +0.2 | +0.6 | +0.2 -0.2 | +0.1 | +0.0 -0.0 | +0.1 -0.0 | +0.0 | +0.0 -0.0 |
|  | +3.0 | +1.1 | +0.1 | +0.8 | +0.3 | +0.1 | +0.1 | +0.0 | +0.6 | +0.4 |
| $\Lambda(1800)$ | +5.9 +3.7 | -1.1 | -0.8 | -1.5 +0.5 | -0.3 +0.2 | -0.1 +0.1 | -0.1 +0.0 | +0.0 +0.1 | +0.0 +0.2 | -0.0 +0.0 |
| $\Lambda(1810)$ | +3.7 -0.7 | +1.1 -1.1 | +1.5 +0.1 | +0.5 -1.4 | +0.2 -0.2 | +0.1 -0.1 | +0.0 -0.0 | +0.1 -0.0 | +0.2 -0.0 | +0.0 -0.0 |
| $\Lambda(1820)$ | +1.8 | +0.2 | -0.0 | +0.3 | +0.3 | +0.1 | +0.0 | +0.0 | +0.1 | +0.0 |
| M(1820) | -4.9 | $-0.2$ | -0.9 | $-0.4$ | -0.3 | -0.1 | $-0.0$ | $-0.3$ | -0.0 | $-0.1$ |
| $\Lambda(1830)$ | +1.3 +0.9 | +0.6 | +0.3 +0.4 | +0.3 | +0.1 | $+0.1$ | +0.0 | +0.2 | +0.1 | +0.0 |
|  | -0.9 | -0.6 +0.8 | -0.4 +0.4 | -0.5 +0.1 | -0.1 +0.2 | -0.1 | -0.0 +0.0 | -0.0 +0.1 | -0.0 +0.1 | -0.0 |
| $\Lambda(1890)$ | -5.1 | -0.8 | -0.4 | -0.4 | -0.2 | -0.1 | +0.0 | +0.1 -0.0 | +0.1 | +0.0 |
|  | +1.0 | +0.8 | +0.9 | +0.2 | +0.1 | +0.0 | $+0.0$ | +0.0 | +0.1 | $+0.1$ |
| $\Lambda(2100)$ | -2.6 | -0.8 | -0.7 | -0.2 | -0.1 | $-0.0$ | -0.0 | -0.0 | -0.0 | $-0.0$ |
|  | +5.0 | +1.5 | +1.5 | +0.3 | +0.1 | +0.1 | +0.0 | +0.0 | +0.0 | $+0.2$ |
| $\Lambda(2110)$ | -0.6 | $-1.5$ | -0.1 | $-0.2$ | $-0.1$ | $-0.1$ | $-0.0$ | $-0.2$ | -0.0 | $-0.0$ |
| $\Lambda(2350)$ | +0.0 | +0.0 | +0.6 | +0.0 | +0.0 | +0.0 | +0.0 | +0.1 | +0.1 | +0.1 |
| $\Lambda(2350)$ | -0.1 | -0.0 | -0.2 | -0.0 | -0.0 | -0.0 | -0.0 | $-0.0$ | -0.0 | -0.0 |
| $N R\left(3^{-}\right)$ | $+2.9$ | +0.4 | +1.0 | +0.0 | +0.1 | +0.1 | +0.0 | +0.0 | +0.0 | +0.0 |
| $\mathrm{NR}(\overline{2})$ | +0.3 | -0.4 | -2.4 | -0.6 | -0.1 | -0.1 | -0.0 | -0.1 | -0.3 | -0.0 |
| $\Lambda(1405), \Lambda(1670)$ | +0.4 | +0.3 | +0.2 | +0.1 | +0.1 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 |
| $\Lambda(1405), \Lambda(1670)$ | -0.7 | -0.3 +0.3 | -0.0 +0.1 | -0.1 | -0.1 | -0.0 +0.2 | -0.0 | -0.0 +0.0 | -0.0 +0.0 | -0.1 |
| $\Lambda(1405), \Lambda(1800)$ | +0.5 | +0.3 -0.3 | +0.1 | +1.7 | +0.2 -0.2 | +0.2 | +0.0 -0.0 | +0.0 -0.0 | +0.0 | +0.1 -0.0 |
| $\Lambda(1520), \Lambda(1690)$ | +0.3 | +0.9 | -0.1 | +0.5 | +0.1 | +0.0 | +0.0 | +0.0 | +0.0 | +0.0 |
| $\Lambda(1520), \Lambda(1690)$ | $-2.3$ | -0.9 | -0.7 | -0.4 | -0.1 | -0.0 | -0.0 | $-0.1$ | -0.0 | -0.0 |
|  | +1.2 | +1.5 | +0.5 | +0.8 | +0.1 | +0.1 | +0.0 | +0.0 | +0.0 | +0.0 |
| $\Lambda(1520), N R\left(\frac{3}{2}\right)$ | $-2.4$ | $-1.5$ | -0.5 | $-0.4$ | $-0.1$ | $-0.1$ | $-0.0$ | $-0.0$ | $-0.1$ | $-0.0$ |
| $\Lambda(1600), \Lambda(1810)$ | $+4.1$ | +0.6 | +1.5 | +0.9 | +0.3 | +0.2 | +0.0 | +0.0 | +0.0 | +0.0 |
| $\Lambda(1600), N(1810)$ | +1.8 | -0.6 | -0.7 | -0.4 +0.4 | -0.3 | $\pm 0.2$ | -0.0 | -0.0 +0.0 | -0.4 | $-0.4$ |
| $\Lambda(1670), \Lambda(1800)$ | +1.5 -1.9 | +0.4 -0.4 | +0.3 -0.2 | +0.4 -0.4 | +0.1 -0.1 | +0.1 -0.1 | +0.0 -0.0 | +0.0 -0.0 | +0.0 -0.0 | +0.0 -0.1 |
|  | +0.9 | +1.1 | +0.2 | +0.2 | +0.1 | +0.1 | +0.0 | +0.0 | +0.0 | +0.0 |
| $\Lambda(1690), N R\left(\frac{3}{2}\right)$ | $-2.2$ | $-1.1$ | $-2.7$ | $-0.5$ | $-0.1$ | $-0.1$ | -0.0 | -0.0 | -0.1 | $-0.0$ |
| $\Lambda(1820), \Lambda(2110)$ | +2.4 -3.1 | +1.6 -1.6 | +0.5 | +0.3 -0.5 | +0.2 -0.2 | +0.1 +0.1 | +0.0 -0.0 | +0.2 -0.0 | +0.0 +0.3 | +0.0 -0.2 |

