

| Parameter                                       | Model Choice | Total* | Background | Kinematics | PID  | Fit Bias |
|---|--------------|--------|------------|------------|------|----------|
| $\text{Re}\mathcal{H}_{1/2,0}^{\Lambda(1405)}$  | 3.3          | 0.1    | 0.0        | 0.0        | 0.0  | 0.0      |
| $\text{Im}\mathcal{H}_{1/2,0}^{\Lambda(1405)}$  | 3.2          | 0.1    | 0.1        | 0.0        | 0.1  | 0.0      |
| $\text{Re}\mathcal{H}_{-1/2,0}^{\Lambda(1405)}$ | 12           | 0.2    | 0.1        | 0.1        | 0.0  | 0.1      |
| $\text{Im}\mathcal{H}_{-1/2,0}^{\Lambda(1405)}$ | 3.7          | 0.3    | 0.2        | 0.1        | 0.2  | 0.0      |
| $\text{Re}\mathcal{H}_{1/2,0}^{\Lambda(1520)}$  | 0.12         | 0.01   | 0.00       | 0.00       | 0.00 | 0.00     |
| $\text{Im}\mathcal{H}_{1/2,0}^{\Lambda(1520)}$  | 0.12         | 0.02   | 0.01       | 0.00       | 0.01 | 0.00     |
| $\text{Re}\mathcal{H}_{-1/2,0}^{\Lambda(1520)}$ | 0.69         | 0.03   | 0.01       | 0.02       | 0.02 | 0.00     |
| $\text{Im}\mathcal{H}_{-1/2,0}^{\Lambda(1520)}$ | 1.3          | 0.0    | 0.0        | 0.0        | 0.0  | 0.0      |
| $m^{\Lambda(1520)}$ [MeV]                       | 0.65         | 0.03   | 0.03       | 0.01       | 0.01 | 0.01     |
| $\Gamma^{\Lambda(1520)}$ [MeV]                  | 1.3          | 0.1    | 0.1        | 0.1        | 0.1  | 0.0      |
| $\text{Re}\mathcal{H}_{1/2,0}^{\Lambda(1600)}$  | 5.0          | 0.1    | 0.1        | 0.0        | 0.0  | 0.0      |
| $\text{Im}\mathcal{H}_{1/2,0}^{\Lambda(1600)}$  | 3.7          | 0.1    | 0.1        | 0.0        | 0.1  | 0.0      |
| $\text{Re}\mathcal{H}_{-1/2,0}^{\Lambda(1600)}$ | 8.7          | 0.1    | 0.0        | 0.0        | 0.0  | 0.1      |
| $\text{Im}\mathcal{H}_{-1/2,0}^{\Lambda(1600)}$ | 2.0          | 0.2    | 0.0        | 0.1        | 0.2  | 0.0      |
| $\text{Re}\mathcal{H}_{1/2,0}^{\Lambda(1670)}$  | 0.35         | 0.01   | 0.00       | 0.00       | 0.01 | 0.00     |
| $\text{Im}\mathcal{H}_{1/2,0}^{\Lambda(1670)}$  | 0.22         | 0.02   | 0.01       | 0.00       | 0.02 | 0.00     |
| $\text{Re}\mathcal{H}_{-1/2,0}^{\Lambda(1670)}$ | 0.46         | 0.02   | 0.01       | 0.01       | 0.02 | 0.00     |
| $\text{Im}\mathcal{H}_{-1/2,0}^{\Lambda(1670)}$ | 1.2          | 0.0    | 0.0        | 0.0        | 0.0  | 0.0      |
| $\text{Re}\mathcal{H}_{1/2,0}^{\Lambda(1690)}$  | 0.23         | 0.02   | 0.01       | 0.01       | 0.01 | 0.00     |
| $\text{Im}\mathcal{H}_{1/2,0}^{\Lambda(1690)}$  | 0.44         | 0.02   | 0.02       | 0.00       | 0.01 | 0.00     |
| $\text{Re}\mathcal{H}_{-1/2,0}^{\Lambda(1690)}$ | 2.4          | 0.0    | 0.0        | 0.0        | 0.0  | 0.0      |
| $\text{Im}\mathcal{H}_{-1/2,0}^{\Lambda(1690)}$ | 0.60         | 0.06   | 0.04       | 0.03       | 0.03 | 0.00     |
| $\text{Re}\mathcal{H}_{1/2,0}^{\Lambda(2000)}$  | 11           | 0      | 0          | 0          | 0    | 0        |
| $\text{Im}\mathcal{H}_{1/2,0}^{\Lambda(2000)}$  | 7.7          | 0.2    | 0.2        | 0.0        | 0.1  | 0.0      |
| $\text{Re}\mathcal{H}_{-1/2,0}^{\Lambda(2000)}$ | 3.4          | 0.2    | 0.1        | 0.0        | 0.1  | 0.0      |
| $\text{Im}\mathcal{H}_{-1/2,0}^{\Lambda(2000)}$ | 3.7          | 0.1    | 0.1        | 0.0        | 0.0  | 0.0      |
| $m^{\Lambda(2000)}$ [MeV]                       | 21           | 1      | 1          | 0          | 0    | 0        |
| $\Gamma^{\Lambda(2000)}$ [MeV]                  | 16           | 3      | 3          | 1          | 0    | 0        |