

| | | GL bin | | | | |
|---|------------|---|---|---|---|---|
| | | [0, 0.25] | [0.25, 0.5] | [0.5, 0.75] | [0.75, 1] | |
| Invariant mass bin (MeV/c ²) | [-60, -40] | Exp. bkg. | 60.8 ^{+1.2} _{-1.1} | 1.48 ^{+0.19} _{-0.18} | 0.345 ^{+0.084} _{-0.073} | 0.024 ^{+0.027} _{-0.014} |
| | | Exp. sig. | 0.00090 ^{+0.00036} _{-0.00035} | 0.00060 ^{+0.00029} _{-0.00023} | 0.00044 ^{+0.00016} _{-0.00012} | 0.00056 ^{+0.00015} _{-0.00011} |
| | | Observed | 59 | 2 | 0 | 0 |
| | [-40, -20] | Exp. bkg. | 59.9 ^{+1.1} _{-1.1} | 1.44 ^{+0.19} _{-0.17} | 0.329 ^{+0.080} _{-0.070} | 0.022 ^{+0.024} _{-0.013} |
| | | Exp. sig. | 0.00263 ^{+0.00093} _{-0.00093} | 0.00174 ^{+0.00076} _{-0.00061} | 0.00128 ^{+0.00038} _{-0.00030} | 0.00164 ^{+0.00035} _{-0.00025} |
| | | Observed | 67 | 0 | 0 | 0 |
| | [-20, 0] | Exp. bkg. | 59.0 ^{+1.1} _{-1.1} | 1.40 ^{+0.18} _{-0.17} | 0.315 ^{+0.077} _{-0.067} | 0.020 ^{+0.022} _{-0.012} |
| | | Exp. sig. | 0.0045 ^{+0.0017} _{-0.0017} | 0.0030 ^{+0.0014} _{-0.0011} | 0.00219 ^{+0.00067} _{-0.00054} | 0.00280 ^{+0.00060} _{-0.00045} |
| | | Observed | 56 | 2 | 0 | 0 |
| | [0, 20] | Exp. bkg. | 58.1 ^{+1.1} _{-1.1} | 1.36 ^{+0.18} _{-0.16} | 0.300 ^{+0.073} _{-0.064} | 0.019 ^{+0.021} _{-0.011} |
| | | Exp. sig. | 0.0045 ^{+0.0017} _{-0.0017} | 0.0030 ^{+0.0014} _{-0.0011} | 0.00219 ^{+0.00067} _{-0.00054} | 0.00280 ^{+0.00060} _{-0.00045} |
| | | Observed | 60 | 0 | 0 | 0 |
| [20, 40] | Exp. bkg. | 57.3 ^{+1.1} _{-1.1} | 1.33 ^{+0.17} _{-0.16} | 0.287 ^{+0.070} _{-0.061} | 0.017 ^{+0.019} _{-0.010} | |
| | Exp. sig. | 0.00263 ^{+0.00093} _{-0.00093} | 0.00174 ^{+0.00076} _{-0.00061} | 0.00128 ^{+0.00038} _{-0.00030} | 0.00164 ^{+0.00035} _{-0.00025} | |
| | Observed | 42 | 2 | 1 | 0 | |
| [40, 60] | Exp. bkg. | 56.4 ^{+1.1} _{-1.1} | 1.29 ^{+0.17} _{-0.16} | 0.274 ^{+0.067} _{-0.058} | 0.0158 ^{+0.0175} _{-0.0094} | |
| | Exp. sig. | 0.00090 ^{+0.00033} _{-0.00032} | 0.00060 ^{+0.00027} _{-0.00021} | 0.00044 ^{+0.00014} _{-0.00011} | 0.00056 ^{+0.00013} _{-0.00010} | |
| | Observed | 49 | 2 | 0 | 0 | |