

D(2600)

$$I(J^P) = \frac{1}{2}(??)$$

OMITTED FROM SUMMARY TABLE

J^P consistent with natural parity (DEL-AMO-SANCHEZ 10P).

D(2600) MASS

| VALUE (MeV) | EVTS | DOCUMENT ID | TECN | CHG | COMMENT |
|--------------------|--------------------|-------------------------------------|------|-----|-----------------------------------|
| 2612 ± 6 | OUR AVERAGE | Error includes scale factor of 1.9. | | | |
| 2608.7 ± 2.4 ± 2.5 | 26k | DEL-AMO-SA..10P | BABR | 0 | $e^+ e^- \rightarrow D^+ \pi^- X$ |
| 2621.3 ± 3.7 ± 4.2 | 13k | ¹ DEL-AMO-SA..10P | BABR | + | $e^+ e^- \rightarrow D^0 \pi^+ X$ |

¹At a fixed width of 93 MeV.

D(2600) WIDTH

| VALUE (MeV) | EVTS | DOCUMENT ID | TECN | COMMENT |
|--------------------|------|-----------------|------|-----------------------------------|
| 93 ± 6 ± 13 | 26k | DEL-AMO-SA..10P | BABR | $e^+ e^- \rightarrow D^+ \pi^- X$ |

D(2600) DECAY MODES

| Mode | Fraction (Γ_i/Γ) |
|---------------------------|--------------------------------|
| Γ_1 $D\pi$ | seen |
| Γ_2 $D^+ \pi^-$ | seen |
| Γ_3 $D^0 \pi^\pm$ | seen |
| Γ_4 $D^* \pi$ | seen |
| Γ_5 $D^{*+} \pi^-$ | seen |

D(2600) BRANCHING RATIOS

| $\Gamma(D^+ \pi^-)/\Gamma(D^{*+} \pi^-)$ | | | | Γ_2/Γ_5 |
|--|------|-----------------|------|--|
| VALUE | EVTS | DOCUMENT ID | TECN | COMMENT |
| 0.32 ± 0.02 ± 0.09 | 76k | DEL-AMO-SA..10P | BABR | $e^+ e^- \rightarrow D^{(*)+} \pi^- X$ |

D(2600) REFERENCES

DEL-AMO-SA...10P PR D82 111101 P. del Amo Sanchez *et al.* (BABAR Collab.)