

**$D^*(2640)^\pm$**

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

OMITTED FROM SUMMARY TABLE

Seen in Z decays by ABREU 98M. Not seen by ABBIENDI 01N and CHEKANOV 09. Needs confirmation.

**$D^*(2640)^\pm$  MASS**

| <u>VALUE (MeV)</u>                   | <u>EVTS</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u>                             |
|--------------------------------------|-------------|--------------------|-------------|--|
| <b><math>2637 \pm 2 \pm 6</math></b> | $66 \pm 14$ | ABREU              | 98M DLPH    | $e^+ e^- \rightarrow D^{*+} \pi^+ \pi^- X$ |

**$D^*(2640)^\pm$  WIDTH**

| <u>VALUE (MeV)</u> | <u>CL%</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u>                             |
|--------------------|------------|--------------------|-------------|--|
| <b>&lt;15</b>      | 95         | ABREU              | 98M DLPH    | $e^+ e^- \rightarrow D^{*+} \pi^+ \pi^- X$ |

**$D^*(2640)^+$  DECAY MODES**

$D^*(2640)^-$  modes are charge conjugates of modes below.

| <u>Mode</u>                              | <u>Fraction (<math>\Gamma_i/\Gamma</math>)</u> |
|--|--|
| $\Gamma_1 \quad D^*(2010)^+ \pi^+ \pi^-$ | seen   |

**$D^*(2640)^\pm$  REFERENCES**

|              |             |                           |                  |
|--------------|-------------|---------------------------|------------------|
| CHEKANOV 09  | EPJ C60 25  | S. Chekanov <i>et al.</i> | (ZEUS Collab.)   |
| ABBIENDI 01N | EPJ C20 445 | G. Abbiendi <i>et al.</i> | (OPAL Collab.)   |
| ABREU 98M    | PL B426 231 | P. Abreu <i>et al.</i>    | (DELPHI Collab.) |