

$\Omega(2250)^-$  $I(J^P) = 0(?^?)$  Status: \*\*\* $\Omega(2250)^-$  MASS

| <u>VALUE (MeV)</u>          | <u>EVTS</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u>   |
|-----------------------------|-------------|--------------------|-------------|------------------|
| <b>2252 ± 9 OUR AVERAGE</b> |             |                    |             |                  |
| 2253 ± 13                   | 44          | ASTON              | 87B LASS    | $K^- p$ 11 GeV/c |
| 2251 ± 9 ± 8                | 78          | BIAGI              | 86B SPEC    | SPS $\Xi^-$ beam |

 $\Omega(2250)^-$  WIDTH

| <u>VALUE (MeV)</u>         | <u>EVTS</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u>   |
|----------------------------|-------------|--------------------|-------------|------------------|
| <b>55 ± 18 OUR AVERAGE</b> |             |                    |             |                  |
| 81 ± 38                    | 44          | ASTON              | 87B LASS    | $K^- p$ 11 GeV/c |
| 48 ± 20                    | 78          | BIAGI              | 86B SPEC    | SPS $\Xi^-$ beam |

 $\Omega(2250)^-$  DECAY MODES

| Mode                             | Fraction ( $\Gamma_i/\Gamma$ ) |
|----------------------------------|--------------------------------|
| $\Gamma_1 \quad \Xi^- \pi^+ K^-$ | seen                           |
| $\Gamma_2 \quad \Xi(1530)^0 K^-$ | seen                           |

 $\Omega(2250)^-$  BRANCHING RATIOS

| $\Gamma(\Xi(1530)^0 K^-)/\Gamma(\Xi^- \pi^+ K^-)$ |             |                    |             | $\Gamma_2/\Gamma_1$  |
|---|-------------|--------------------|-------------|----------------------|
| <u>VALUE</u>                                      | <u>EVTS</u> | <u>DOCUMENT ID</u> | <u>TECN</u> | <u>COMMENT</u>       |
| ~ 1.0   | 44          | ASTON              | 87B LASS    | $K^- p$ 11 GeV/c     |
| 0.70 ± 0.20                                       | 49          | BIAGI              | 86B SPEC    | $\Xi^-$ Be 116 GeV/c |

 $\Omega(2250)^-$  REFERENCES

|       |     |             |                          |                          |
|-------|-----|-------------|--------------------------|--------------------------|
| ASTON | 87B | PL B194 579 | D. Aston <i>et al.</i>   | (SLAC, NAGO, CINC, INUS) |
| BIAGI | 86B | ZPHY C31 33 | S.F. Biagi <i>et al.</i> | (LOQM, GEVA, RAL+)       |