

$g$  (gluon)

$$I(J^P) = 0(1^-)$$

SU(3) color octet  
Mass  $m = 0$ . Theoretical value. A mass as large as a few MeV may not be precluded, see YNDURAIN 95.

gluon spin

| VALUE                                                                         | DOCUMENT ID   | TECN | COMMENT       |
|-------------------------------------------------------------------------------|---------------|------|---------------|
| • • • We do not use the following data for averages, fits, limits, etc. • • • |               |      |               |
|                                                                               | ABREU 92E     | DLPH | Spin 1, not 0 |
|                                                                               | ALEXANDER 91H | OPAL | Spin 1, not 0 |
|                                                                               | BEHREND 82D   | CELL | Spin 1, not 0 |
|                                                                               | BERGER 80D    | PLUT | Spin 1, not 0 |
|                                                                               | BRANDELIK 80C | TASS | Spin 1, not 0 |

gluon REFERENCES

|               |              |                            |                  |
|---------------|--------------|----------------------------|------------------|
| YNDURAIN 95   | PL B345 524  | F.J. Yndurain              | (MADU)           |
| ABREU 92E     | PL B274 498  | P. Abreu <i>et al.</i>     | (DELPHI Collab.) |
| ALEXANDER 91H | ZPHY C52 543 | G. Alexander <i>et al.</i> | (OPAL Collab.)   |
| BEHREND 82D   | PL B110 329  | H.J. Behrend <i>et al.</i> | (CELLO Collab.)  |
| BERGER 80D    | PL B97 459   | C. Berger <i>et al.</i>    | (PLUTO Collab.)  |
| BRANDELIK 80C | PL B97 453   | R. Brandelik <i>et al.</i> | (TASSO Collab.)  |