# $B_J^*(5732)$

$I(J^P) = ?(?^?)$
$I$, $J$, $P$ need confirmation.

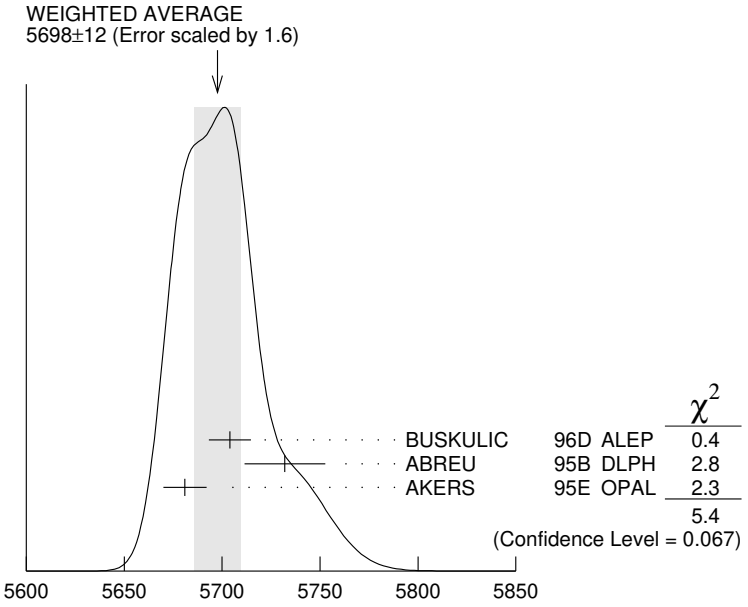
OMITTED FROM SUMMARY TABLE

Signal can be interpreted as stemming from several narrow and broad resonances. Needs confirmation.

## $B_J^*(5732)$ MASS

| *VALUE* (MeV) | *EVTS* | *DOCUMENT ID* | *TECN* | *COMMENT* |
|---|---|---|---|---|
| **5698±12 OUR AVERAGE** | Error includes scale factor of 1.6. See the ideogram below. | | | |
| 5704± 4±10 | 1944 | [1] BUSKULIC | 96D ALEP | $E_{cm}^{ee}$ = 88–94 GeV |
| 5732± 5±20 | 2157 | ABREU | 95B DLPH | $E_{cm}^{ee}$ = 88–94 GeV |
| 5681±11 | 1738 | AKERS | 95E OPAL | $E_{cm}^{ee}$ = 88–94 GeV |

[1] Using $m_{B\pi} - m_B$ = 424 ± 4 ± 10 MeV.




$B_J^*(5732)$ mass (MeV)

## $B_J^*(5732)$ WIDTH

| *VALUE* (MeV) | *EVTS* | *DOCUMENT ID* | *TECN* | *COMMENT* |
|---|---|---|---|---|
| **128±18 OUR AVERAGE** | | | | |
| 145±28 | 2157 | ABREU | 95B DLPH | $E_{cm}^{ee}$ = 88–94 GeV |
| 116±24 | 1738 | AKERS | 95E OPAL | $E_{cm}^{ee}$ = 88–94 GeV |

## $B_J^*(5732)$ DECAY MODES

| | Mode | Fraction ($\Gamma_i/\Gamma$) |
|---|---|---|
| $\Gamma_1$ | $B^*\pi + B\pi$ | dominant |

## $B_J^*(5732)$ REFERENCES


| | | | |
|---|---|---|---|
| BUSKULIC | 96D ZPHY C69 393 | +Casper, De Bonis, Decamp+ | (ALEPH Collab.) |
| ABREU | 95B PL B345 598 | + | (DELPHI Collab.) |
| AKERS | 95E ZPHY C66 19 | +Alexander, Allison+ | (OPAL Collab.) |