

# $B_J^*(5732)$

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

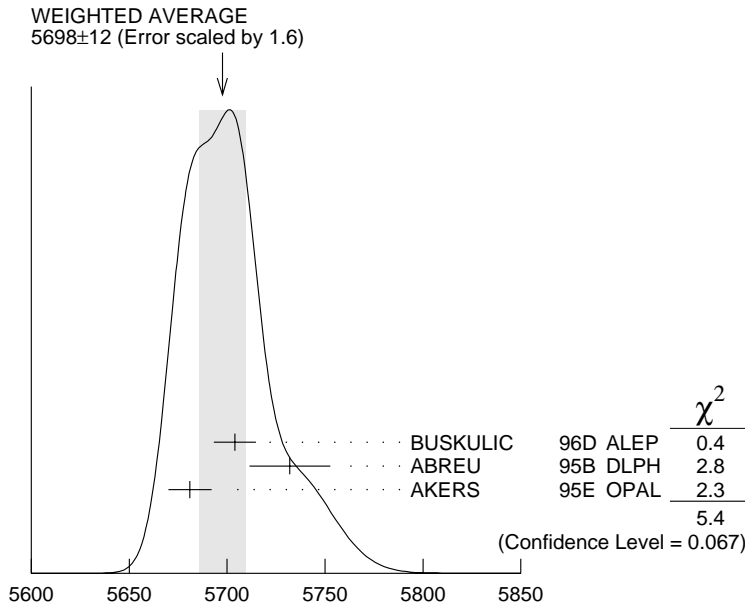
OMITTED FROM SUMMARY TABLE

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

## $B_J^*(5732)$ MASS

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>5698 ± 12 OUR AVERAGE</b>				Error includes scale factor of 1.6. See the ideogram below.
5704 ± 4 ± 10	1944	<sup>1</sup> 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

<sup>1</sup> Using  $m_{B\pi} - m_B = 424 \pm 4 \pm 10$  MeV.



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

## $B_J^*(5732)$ WIDTH

<u>VALUE (MeV)</u>	<u>EVTS</u>	<u>DOCUMENT ID</u>	<u>TECN</u>	<u>COMMENT</u>
<b>128 ± 18 OUR AVERAGE</b>				
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.)