NODE=M219

$B_2^*(5747)^+$

$I(J^P) = \frac{1}{2}(2^+)$ Status: **
I, J, P need confirmation.

Quantum numbers shown are quark-model predictions. NODE=M219

$B_2^*(5747)^+$ MASS

NODE=M219M

OUR FIT uses m_{B^0} and $m_{B_2^{*+}} - m_{B^0}$ to determine $m_{B_2^*(5747)^+}$. NODE=M219M

NODE=M219M

VALUE (MeV)	DOCUMENT ID
$5735.9^{+1.3}_{-1.6}$ OUR FIT	

$m_{B_2^{*+}} - m_{B^0}$

NODE=M219DM

NODE=M219DM

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$456.3^{+1.3}_{-1.6}$ OUR FIT			
$456.3 \pm 1.3^{+0.3}_{-0.9}$	[1] AALTONEN 14I	CDF	$p\overline{p}$ at 1.96 TeV

[1] AALTONEN 14I reports $m_{B_2(5747)^+} - m_{B^0} - m_{\pi^+} = 317.7 \pm 1.2^{+0.3}_{-0.9}$ MeV which we adjusted by the π^+ mass. NODE=M219DM;LINKAGE=A

$B_2^*(5747)^+$ WIDTH

NODE=M219W

NODE=M219W

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
$11^{+4}_{-3}{}^{+3}_{-4}$	AALTONEN 14I	CDF	$p\overline{p}$ at 1.96 TeV

$B_2^*(5747)^+$ DECAY MODES

NODE=M219215;NODE=M219

	Mode	Fraction (Γ_i/Γ)
Γ_1	$B^0\pi^+$	seen

DESIG=1

$B_2^*(5747)^+$ BRANCHING RATIOS

NODE=M219220

$\Gamma(B^0\pi^+)/\Gamma_{total}$ **Γ_1/Γ**

NODE=M219R01

NODE=M219R01

VALUE	DOCUMENT ID	TECN	COMMENT
seen	AALTONEN 14I	CDF	$p\overline{p}$ at 1.96 TeV

$B_2^*(5747)^+$ REFERENCES

NODE=M219

AALTONEN 14I PR D90 012013 T. Aaltonen *et al.* (CDF Collab.) REFID=56029