NODE=M220

$B(5970)^+$

$I(J^P) = ?(?^?)$ Status: **

$B(5970)^+$ MASS

NODE=M220M

OUR FIT uses m_{B^0} and $m_{B(5970)^+} - m_{B^0}$ to determine $m_{B(5970)^+}$.

NODE=M220M

VALUE (MeV)	DOCUMENT ID
5961±13 OUR FIT	

NODE=M220M

$m_{B(5970)^+} - m_{B^0}$

NODE=M220DM

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
681±13 OUR FIT				
681± 5±12	[1] AALTONEN	14I	CDF	$p\overline{p}$ at 1.96 TeV

NODE=M220DM

NODE=M220DM;LINKAGE=A

[1] AALTONEN 14I reports $m_{B(5970)^+} - m_{B^0} - m_{\pi^+} = 541 \pm 5 \pm 12$ MeV which we adjusted by the π^+ mass.

$B(5970)^+$ WIDTH

NODE=M220W

VALUE (MeV)	DOCUMENT ID		TECN	COMMENT
$60^{+30}_{-20}\pm40$	AALTONEN	14I	CDF	$p\overline{p}$ at 1.96 TeV

NODE=M220W

$B(5970)^+$ DECAY MODES

NODE=M220215;NODE=M220

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

DESIG=1

$B(5970)^+$ BRANCHING RATIOS

NODE=M220220

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

NODE=M220R01

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

NODE=M220R01

$B(5970)^+$ REFERENCES

NODE=M220

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

REFID=56029