$B(5970)^0$

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

$B(5970)^0$ MASS

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

VALUE (MeV)	*DOCUMENT ID*
5977±13 OUR FIT	

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

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
698±13 OUR FIT				
698± 5±12	[1] AALTONEN	14I	CDF	$p\overline{p}$ at 1.96 TeV

[1] AALTONEN 14I reports $m_{B(5970)^0} - m_{B^+} - m_{\pi^-} = 558 \pm 5 \pm 12$ MeV which we adjusted by the π^- mass.

$B(5970)^0$ WIDTH

VALUE (MeV)	*DOCUMENT ID*		*TECN*	*COMMENT*
$\mathbf{70^{+30}_{-20}\pm30}$	AALTONEN	14I	CDF	$p\overline{p}$ at 1.96 TeV

$B(5970)^0$ DECAY MODES

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

$B(5970)^0$ BRANCHING RATIOS

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

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

$B(5970)^0$ REFERENCES

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