- $B \rightarrow \pi^+\pi^-$ **Trigger Cuts**

  Cuts proposed by J. Mueller and P. Wilson (CDF2665)

  2 XFT tracks with $P_T \geq$ 2 GeV

  Opposite Sign

  $P_{T1} + P_{T2} \geq$ **5.5 GeV/c**

  $30^\circ \leq \delta\phi \leq 135^\circ$

  Auto Accept: $\geq$ 7 XFT tracks with $P_T \geq$ 2 GeV/c

  Efficiency for $B \rightarrow \pi^+\pi^-$ events $= 5.2\%$ **(20 pb)**

  $P_T(B) \geq$ **0 GeV/c and** $|\eta(B)| \leq$ **5.**

- **Level 1 Trigger Rate (σ_{MBS} = 50 mb)**

  Level 1 bandwidth = 250 μb at $2 * 10^{32}$ **(50 kHz)**

	N=1	N=2	N=5
2 XFT track	1200μb	1308μb	1673μb
Opposite Sign	780μb	781μb	1080μb
Total P_T cut	360μb	383μb	557μb
$\delta\phi$ cut	170μb	186μb	305μb