## Sensitivity to $sin2\beta$ for $10^4 pb^{-1}$

- $B_d^0 \to J/\Psi(\mu\mu)K_s^0 \oplus \mu^{tag} \quad \Rightarrow \delta(sin2\beta) = 0.046$
  - S $=$ 11300 events
  - $D_{int} = 0.48 \quad x_d = 0.73$
  - $D_{s/b} = 0.89$ S/B $= 8$
  - $D_{tag} = 0.45$ w $= 0.275$
- $B_d^0 \to J/\Psi(\mu\mu)K_s^0 \oplus e^{tag} \quad \Rightarrow \delta(sin2\beta) = 0.048$
  - S $=$ 10000 events
  - S/B $= 8$
- $B_d^0 \to J/\Psi(ee)K_s^0 \oplus \mu^{tag} \quad \Rightarrow \delta(sin2\beta) = 0.08$
  - S $=$ 4100 events
  - S/B $= 4$
- $B_d^0 \to J/\Psi(ee)K_s^0 \oplus e^{tag} \quad \Rightarrow \delta(sin2\beta) = 0.11$
  - S $=$ 2100 events
  - S/B $= 4$
- $B_d^0 \to J/\Psi(\mu\mu)K_s^0 \oplus \pi^{tag} \quad \Rightarrow \delta(sin2\beta) = 0.037$

$\Rightarrow$ combined : $\delta(sin2\beta) = 0.023$