

Physics Calibration Channels

- $K_S \rightarrow \pi^+ \pi^-$ 330 Hz 2.3×10^7 /day
- $\Lambda \rightarrow p \pi^-$ 225 Hz 1.6×10^7 /day
- $\pi^0 \rightarrow \gamma \gamma$ 6500 Hz 44.9×10^7 /day
- $\omega \rightarrow \pi^+ \pi^- \pi^0$ 935 Hz 6.5×10^7 /day

- $\gamma p \rightarrow \pi^+ \pi^- \pi^0 p$ ~ 9.5 Hz 6.6×10^5 /day

Assuming 4kHz total rate @ 10^6 γ /s, 80% beam efficiency/day

Event Rates (in Hz)

	Forward only	Central only	Both
$K_S \rightarrow \pi^+ \pi^-$	60	145	125
$\Lambda \rightarrow p \pi^-$	15	140	70
$\pi^0 \rightarrow \gamma \gamma$	960	4000	1540