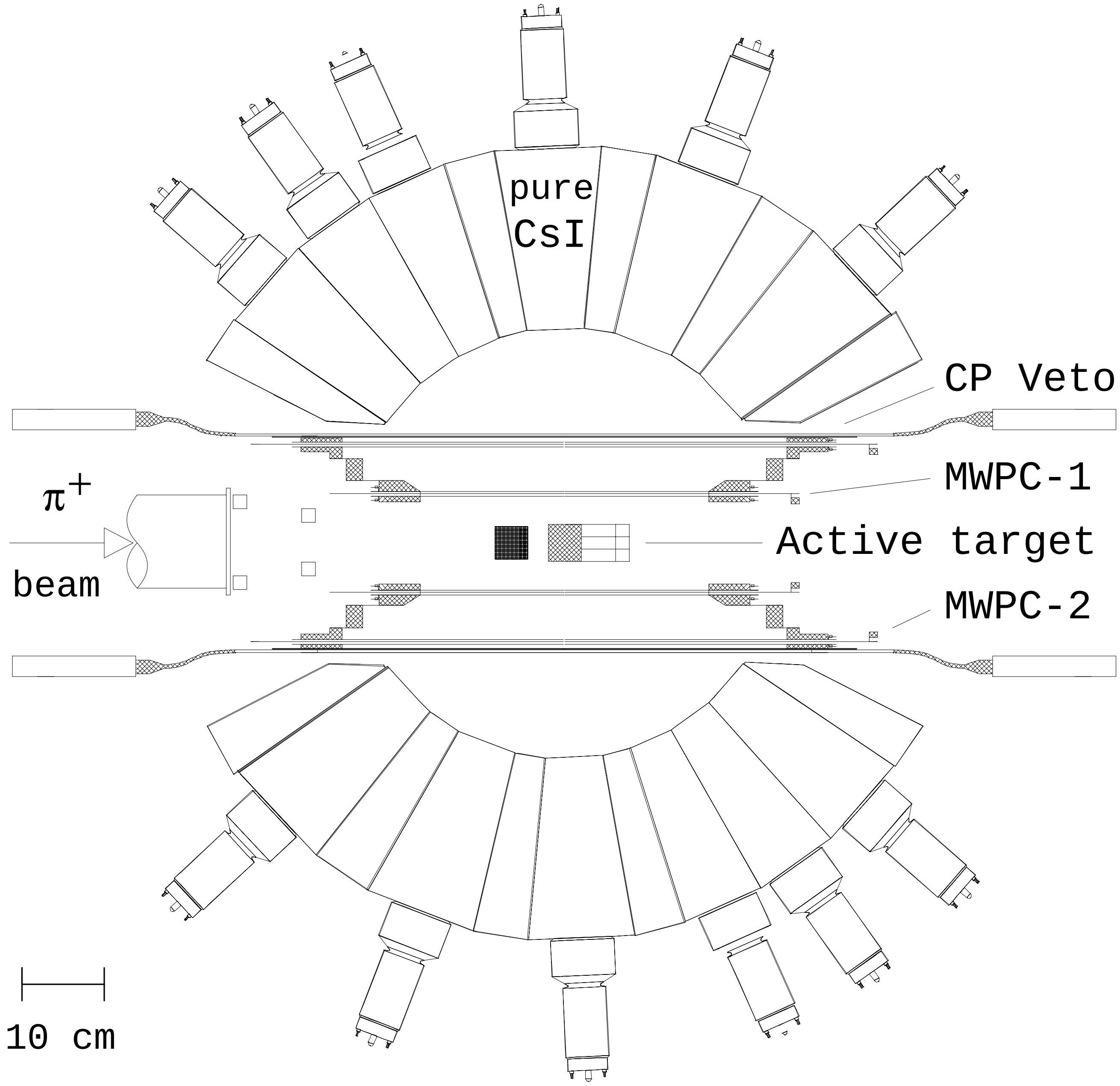
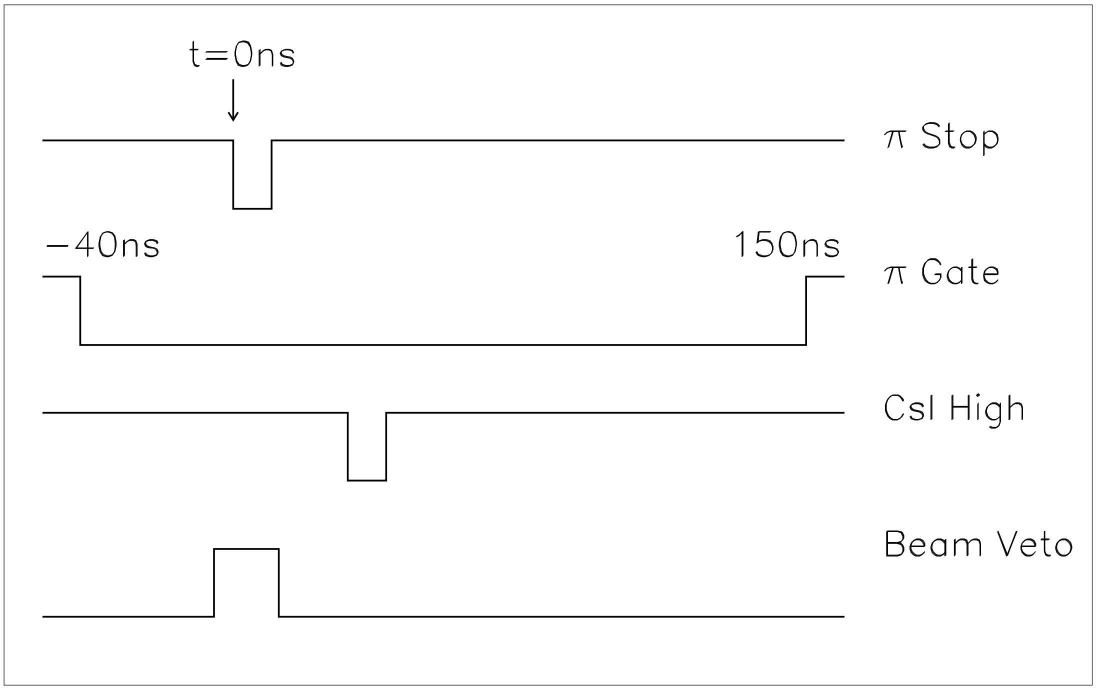
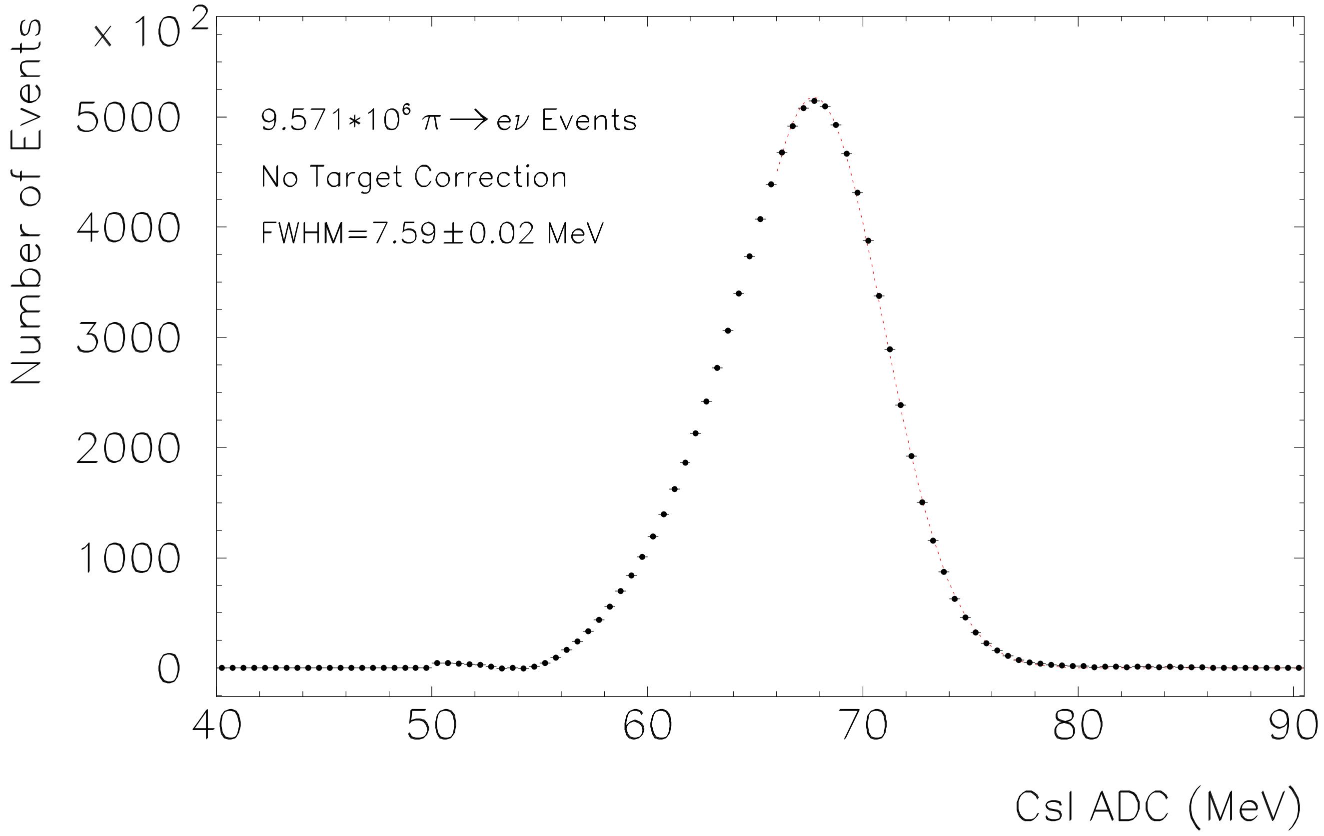


Schematic Cross Section of the PIBETA Detector

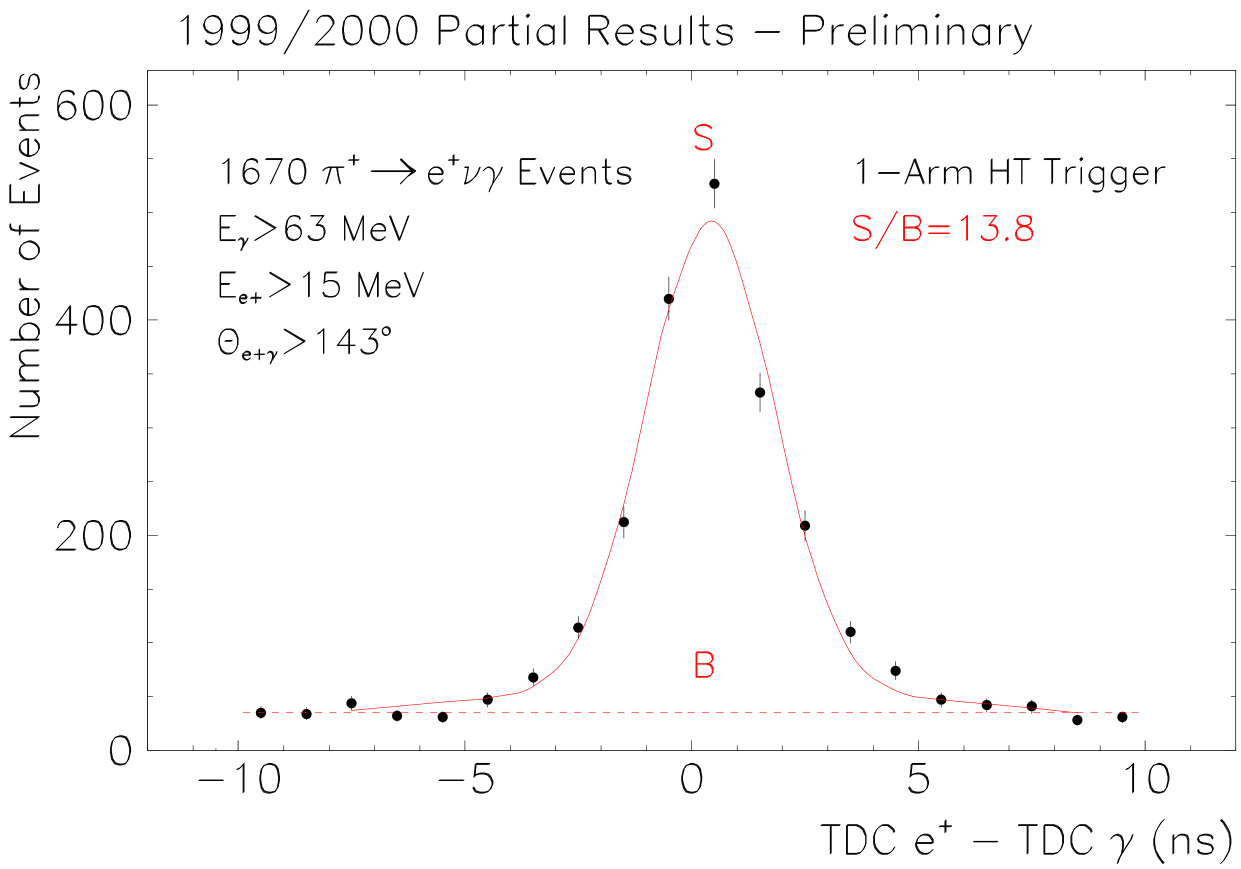
1–Arm HT TRIGGER: πG*CsI*NoBeam



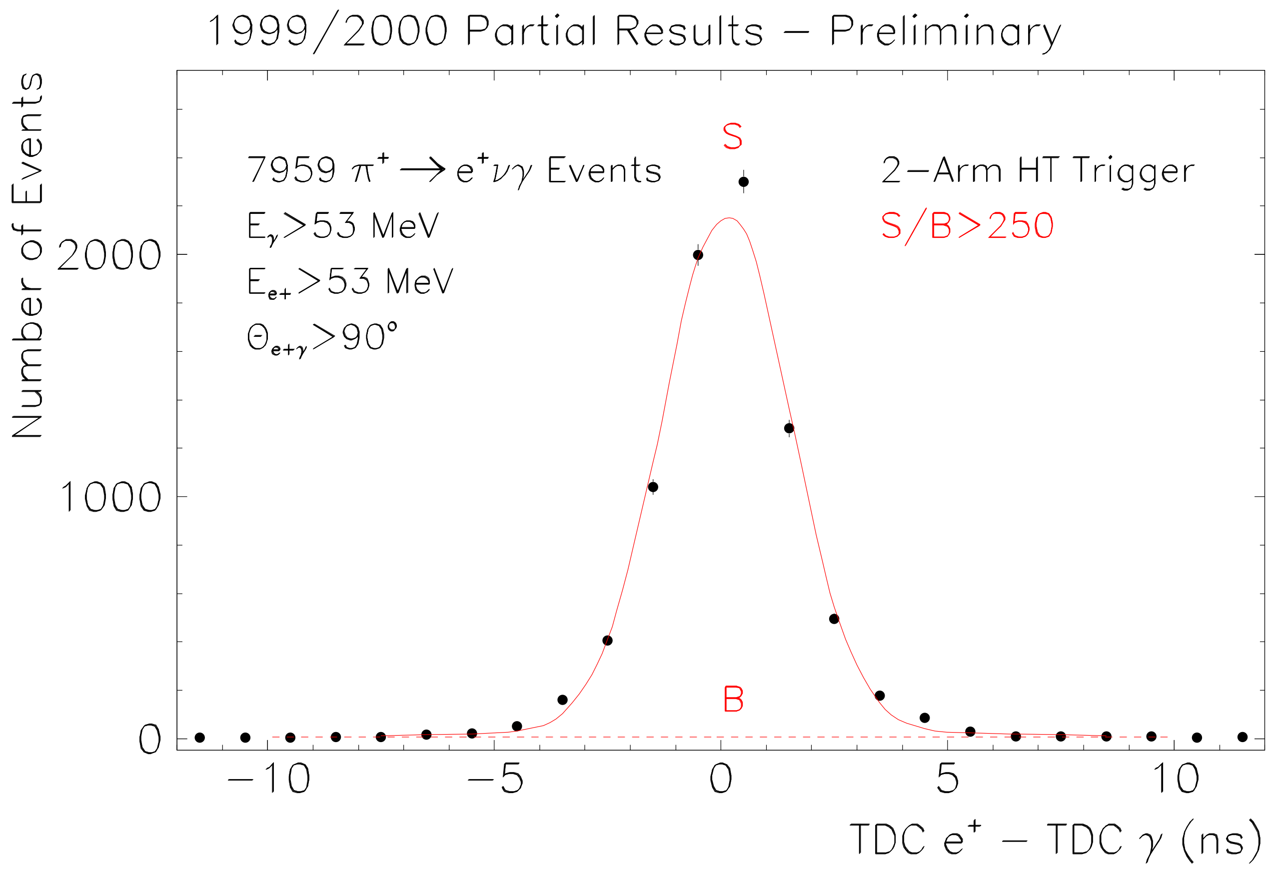
Definition of the PIBETA Hardware Triggers



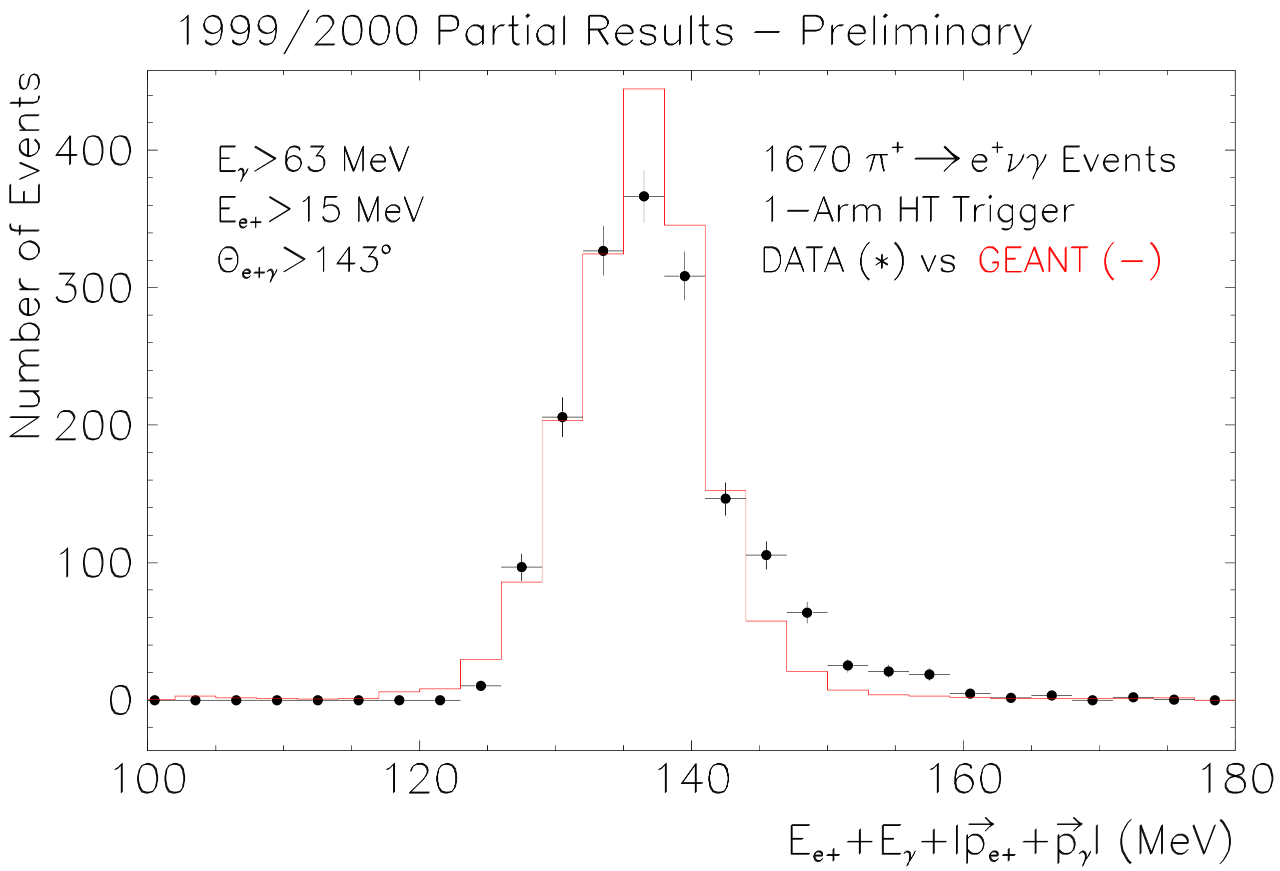
Background-Subtacted $\pi^+ \to e^+\nu$ Energy Spectrum



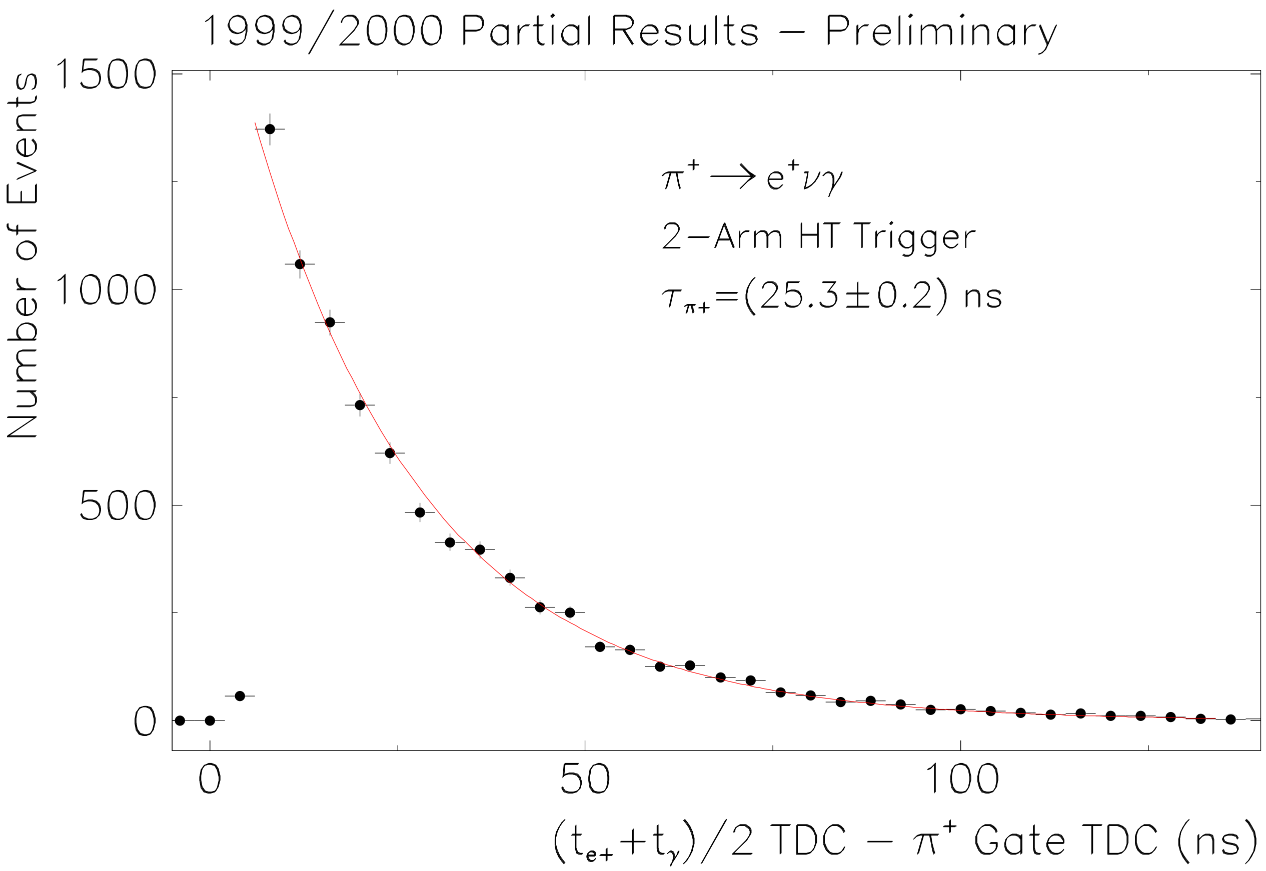
$\pi^+ \to e^+\nu\gamma$ Signal-to-Background Ratio: 1-Arm HT Trigger



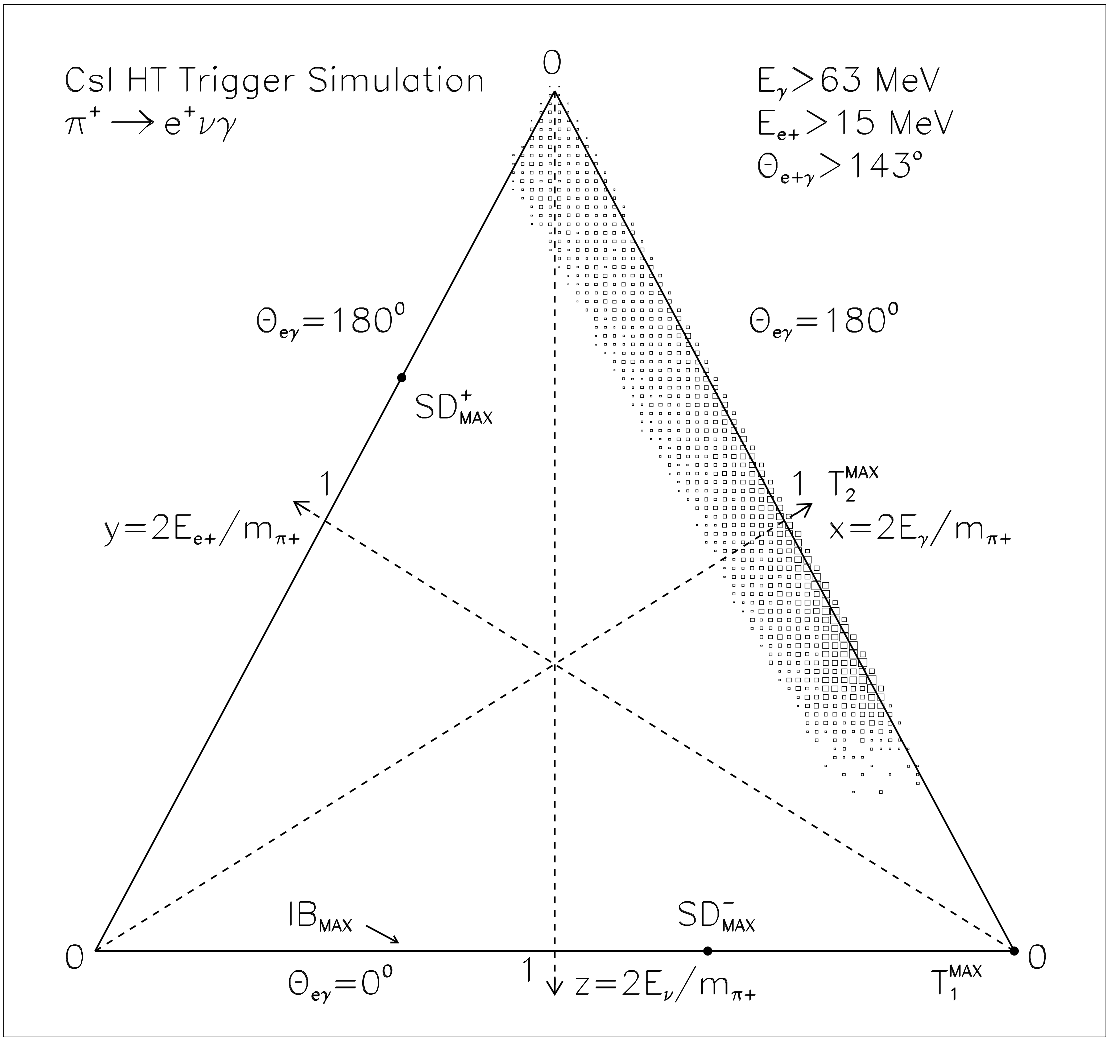
$\pi^+ \rightarrow e^+\nu\gamma$ Signal-to-Background Ratio: 2-Arm HT Trigger



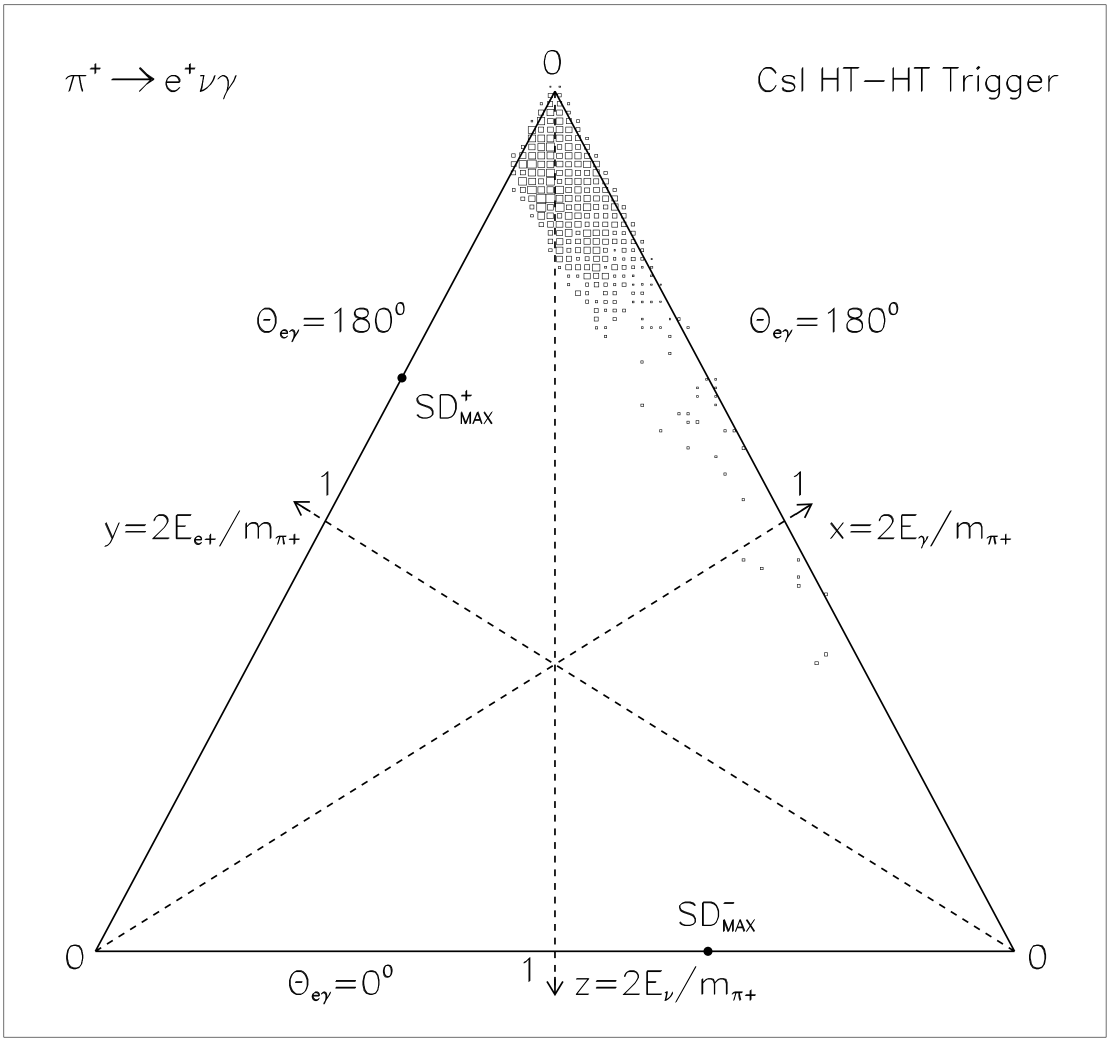
π^+ "Invariant Mass": $E_R = E_{e^+} + E_\gamma + |\vec{p}_{e^+} + \vec{p}_\gamma|$



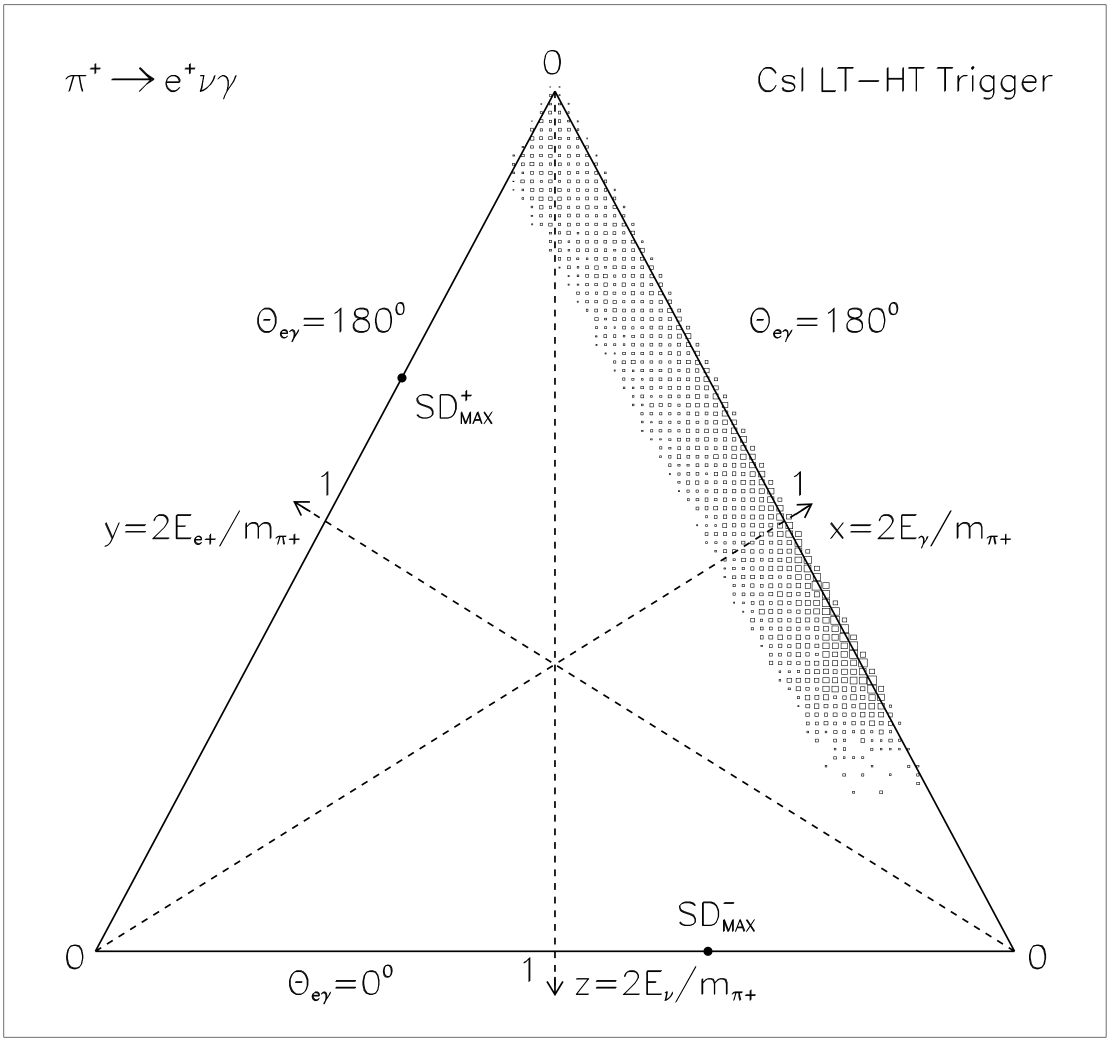
Background-Subtracted $\pi^+ \rightarrow e^+\nu\gamma$ Timing Spectrum



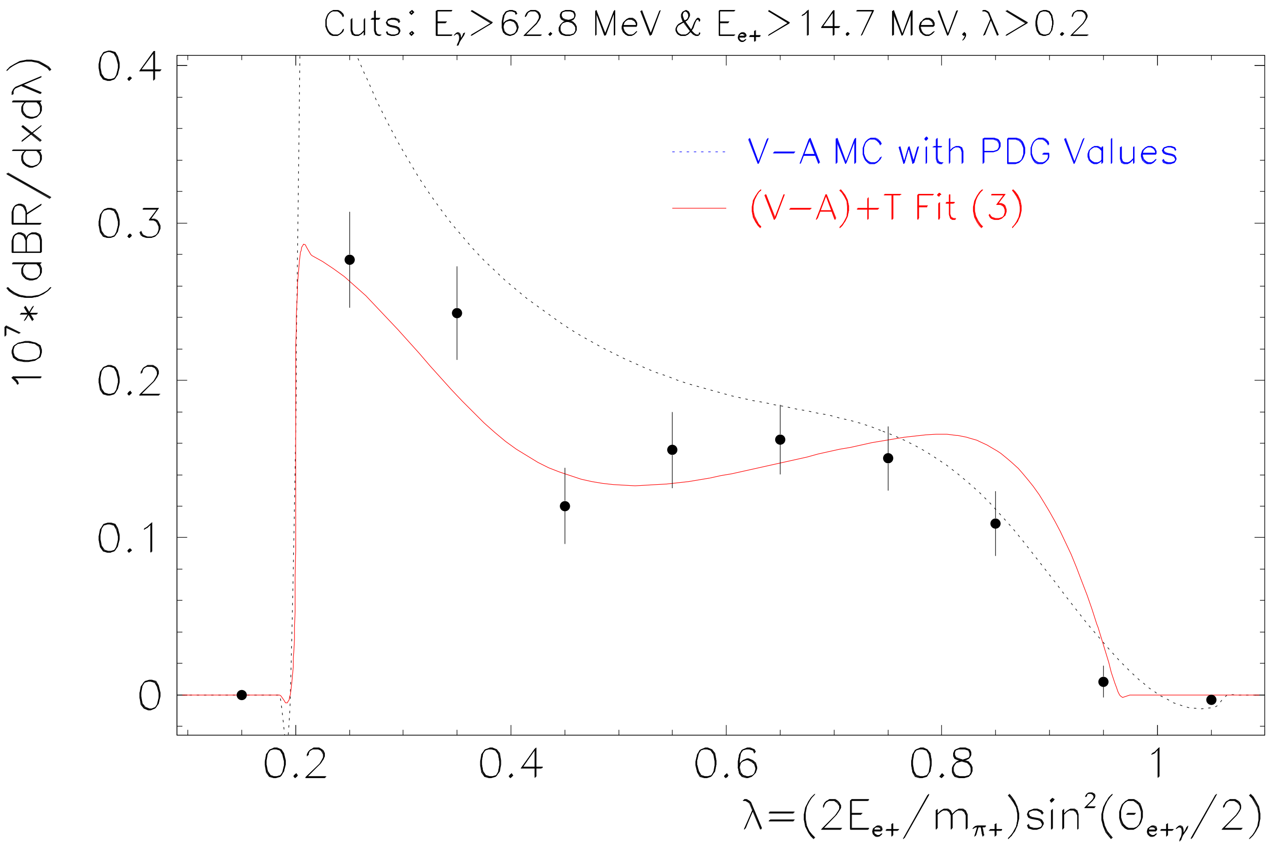
Covered $\pi^+ \rightarrow e^+\nu\gamma$ Phase Space: 1-Arm HT Trigger



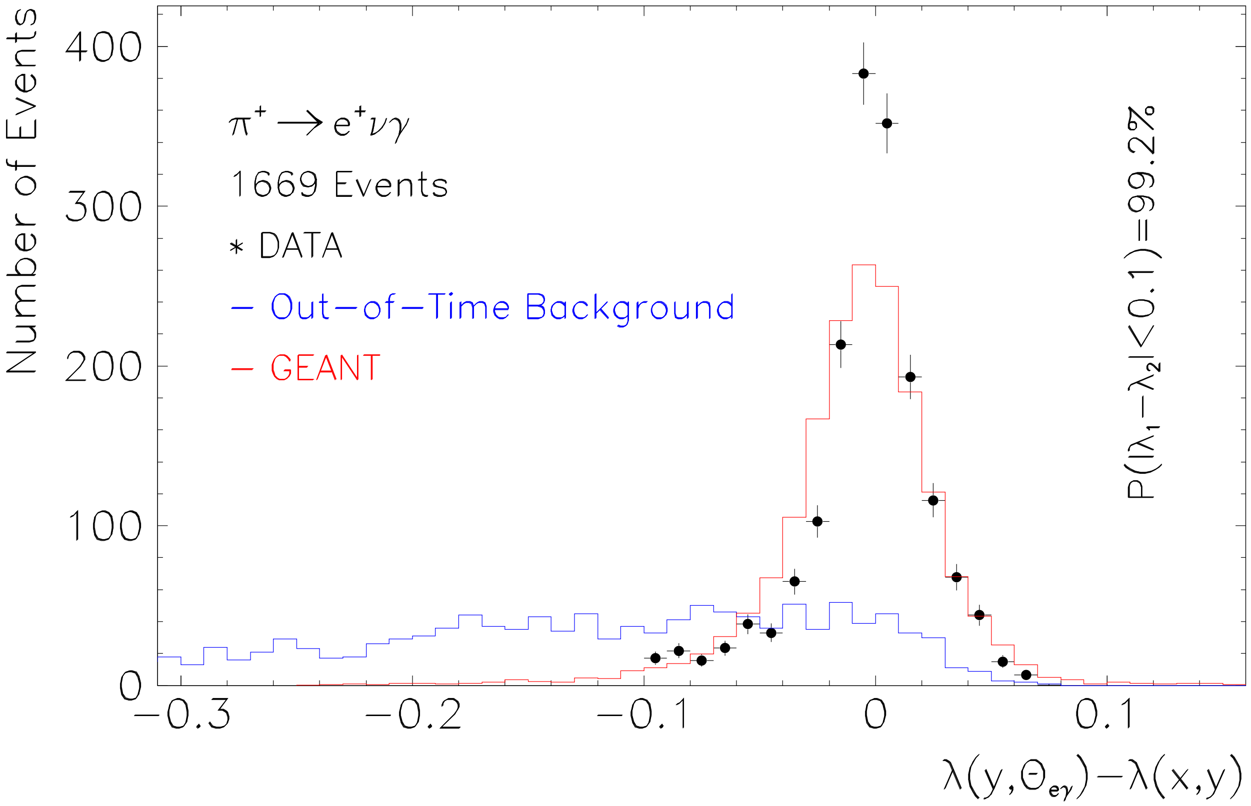
Covered $\pi^+ \to e^+\nu\gamma$ Phase Space: 2-Arm HT Trigger



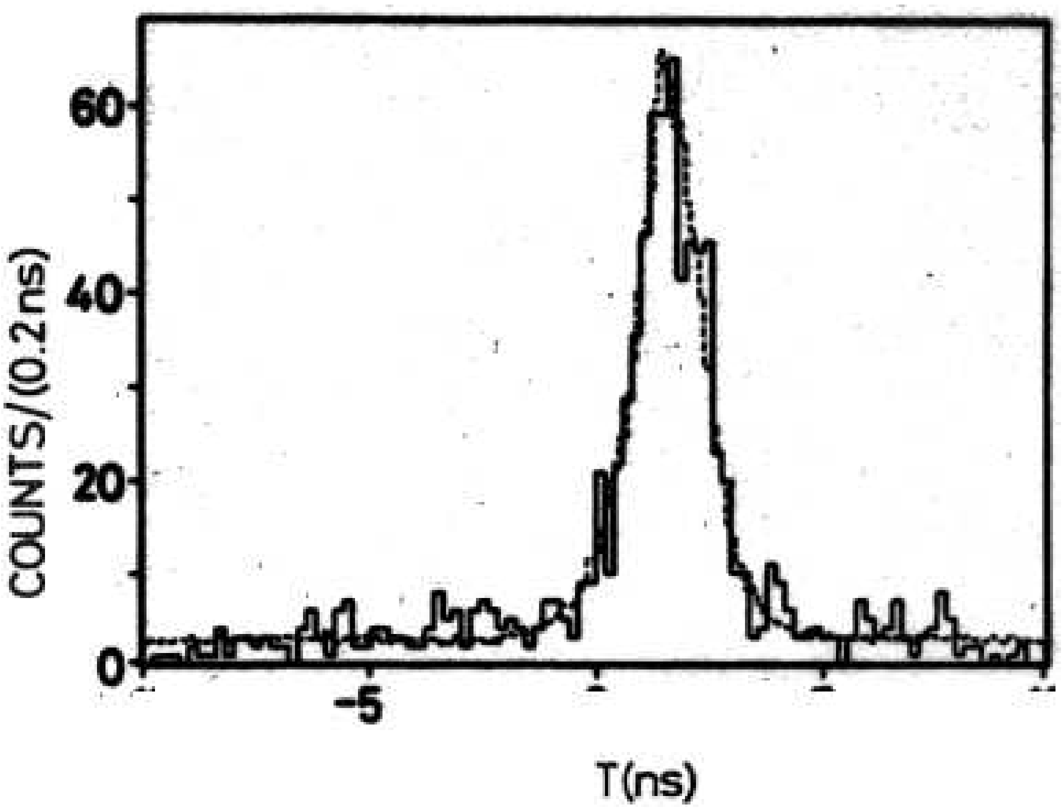
Covered $\pi^+ \rightarrow e^+\nu\gamma$ Phase Space: 2-Arm LT-HT Trigger



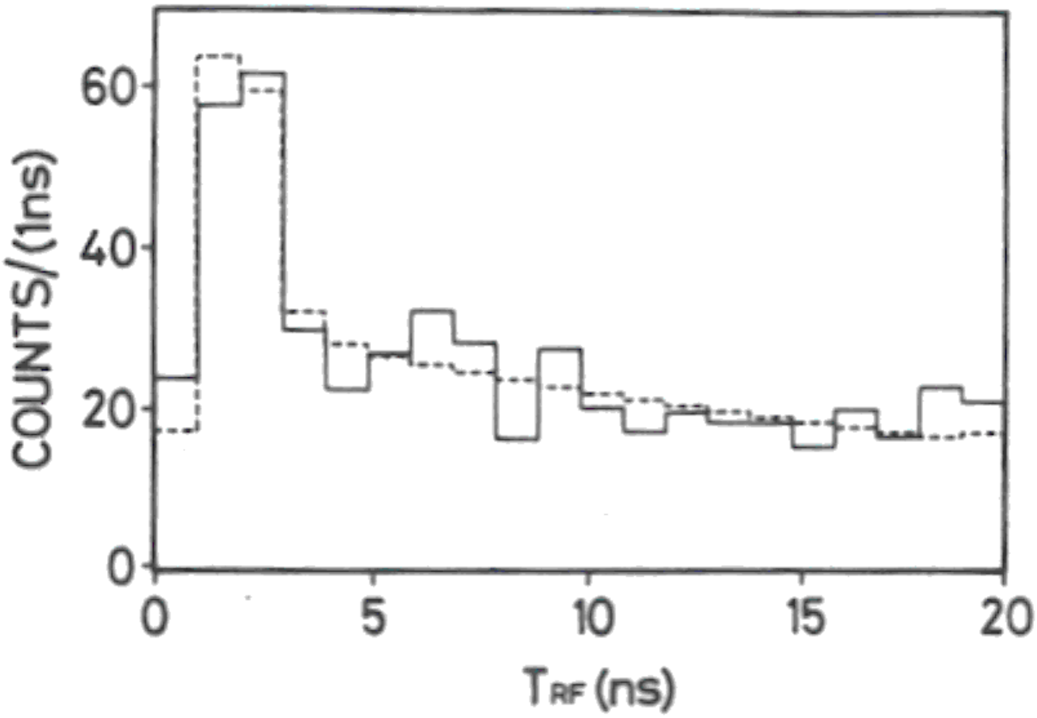
Background-subtracted λ Spectrum for $\pi^+ \to e^+\nu\gamma$ Events



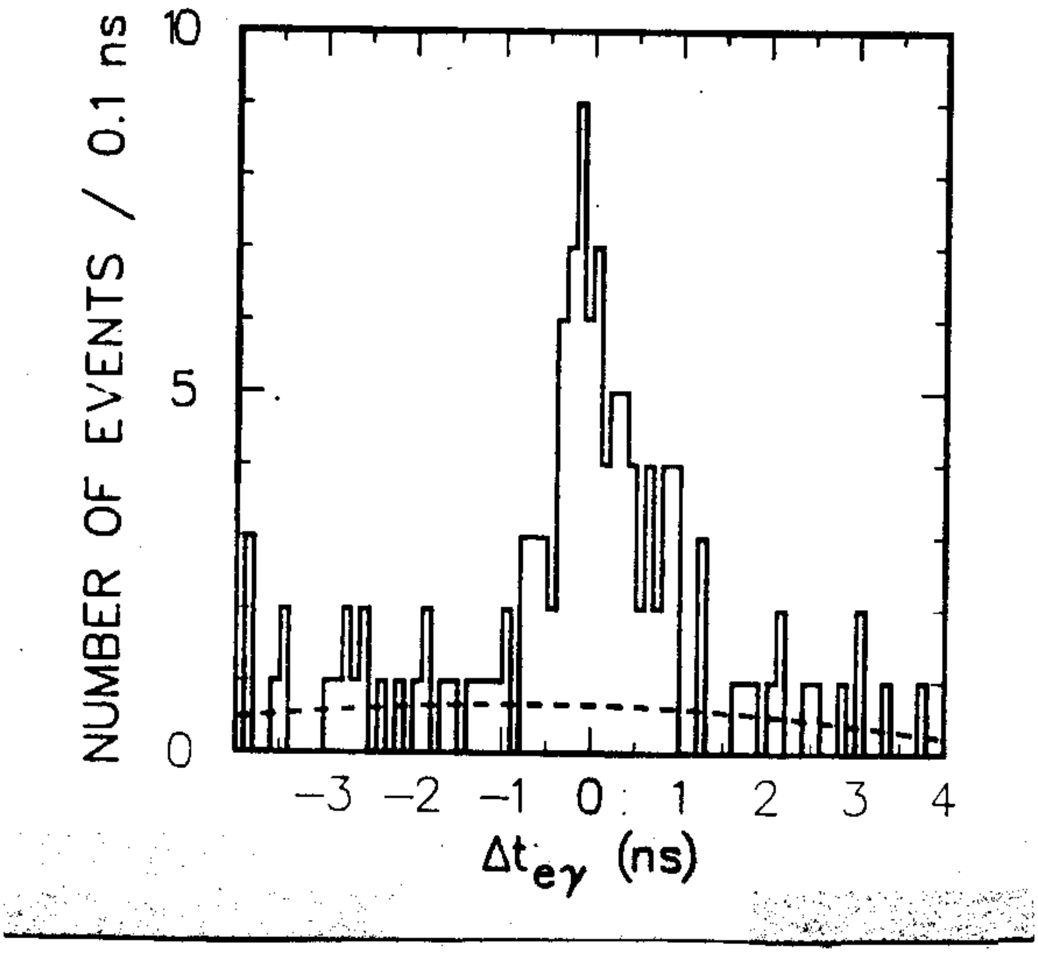
$\lambda(y, \theta_{e\gamma}) - \lambda(x, y)$ Spectrum for $\pi^+ \rightarrow e^+\nu\gamma$ Events



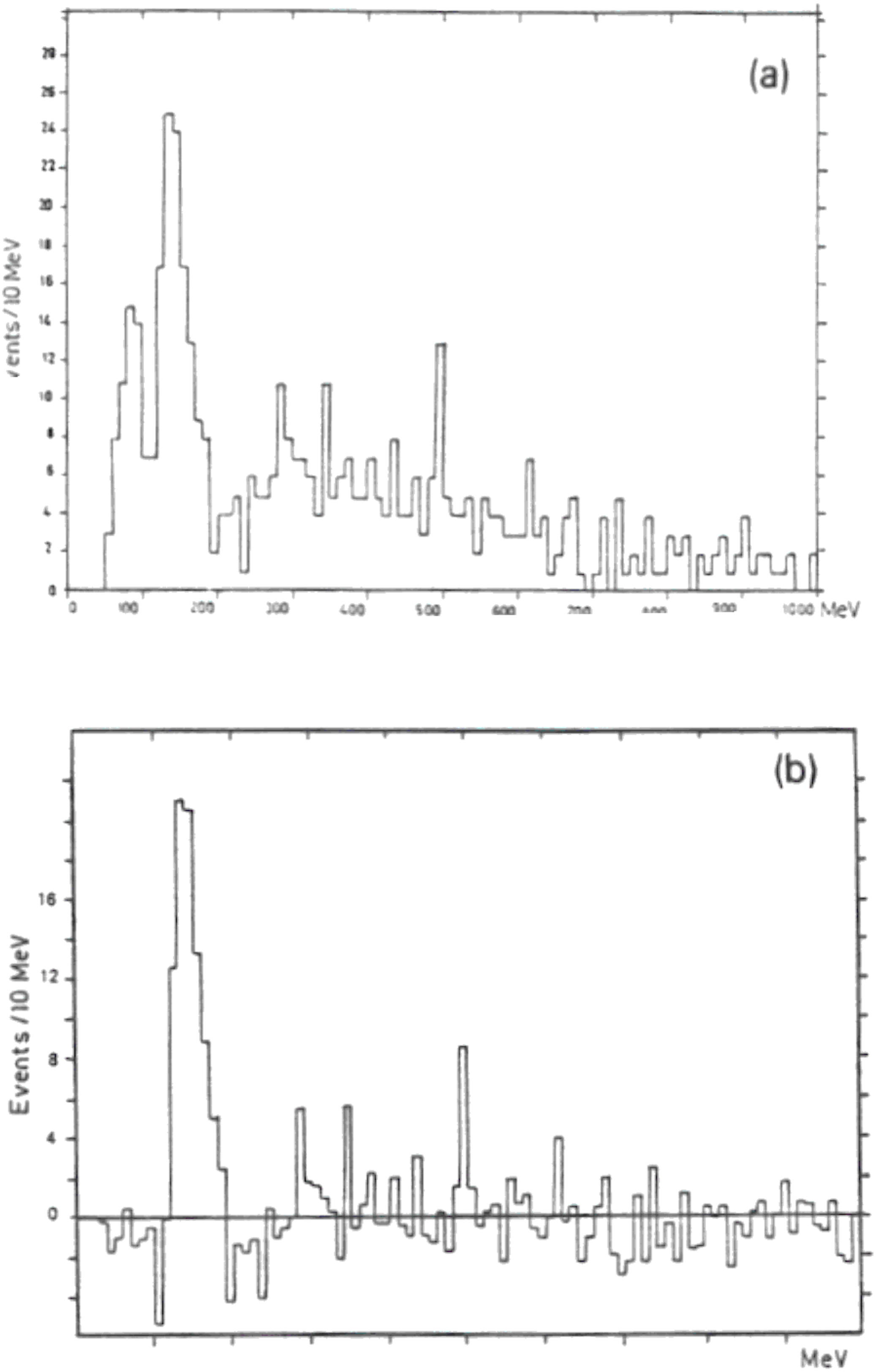
Bay et al., PSI 1986: $\pi^+ \to e^+\nu\gamma$ S/B Ratio



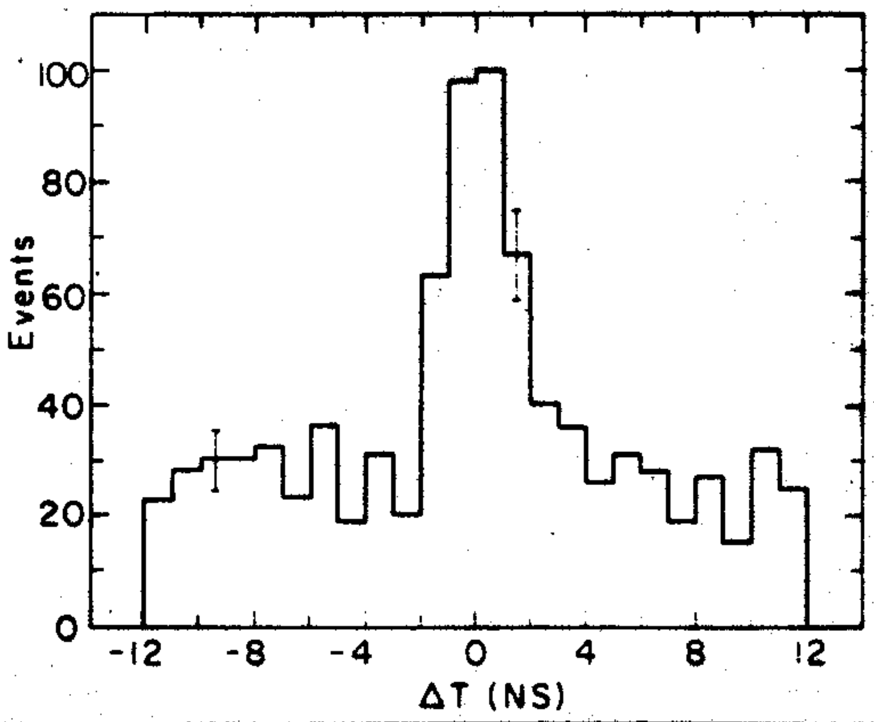
Bay et al., PSI 1986: $\pi^+ \to e^+\nu\gamma$ Events Timing



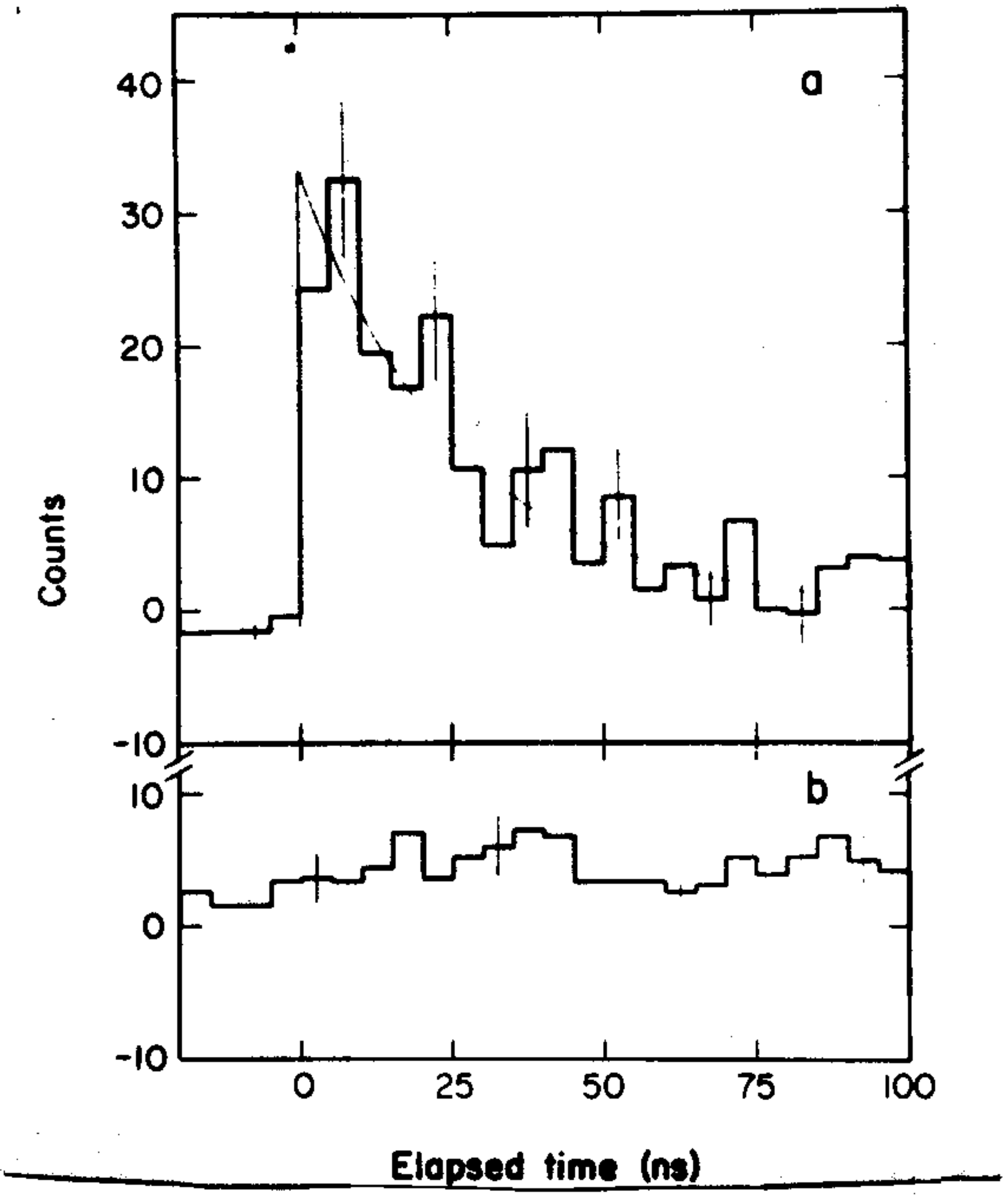
Piilonen et al., LAMPF 1986: $\pi^+ \to e^+\nu\gamma$ S/B Ratio



Bolotov et al., IHEP 1990: $E_R = E_{e^+} + E_\gamma + |\vec{p}_{e^+} + \vec{p}_\gamma|$



Stetz et al., LBL 1978: $\pi^+ \to e^+ \nu \gamma$ S/B Ratio



Stetz et al., LBL 1978: $\pi^+ \to e^+\nu\gamma$ Events Timing