Expanding pnn2 kinematic box

	old (TN385)	new	σ	Ndev	$K_{\pi 2}$ peak	peak-Ndev$\times\sigma$
PTOT	(140,195)	(140,199)	2.299	2.50	205	199.25
RTOT	(12,27)	(12,28)	0.866	2.75	30.6	28.2
ETOT	(60,95)	(60,100.5)	2.976	2.50	180.4	100.96

σ taken from measurements in TN K-034, Table 13 for $K_{\pi 2}$ peak

Lower limits of pnn1 box were set Ndev$\times\sigma$ above $K_{\pi 2}$ peak, so I set upper limits of pnn2 box Ndev$\times\sigma$ *below* $K_{\pi 2}$ peak

$K_{\pi 2}$ peak P,R,E distributions on next page.

Question: What is the source of the high momentum tail?

$K_{\pi 2}$ peak resolutions (Fig.44 TN K-034)

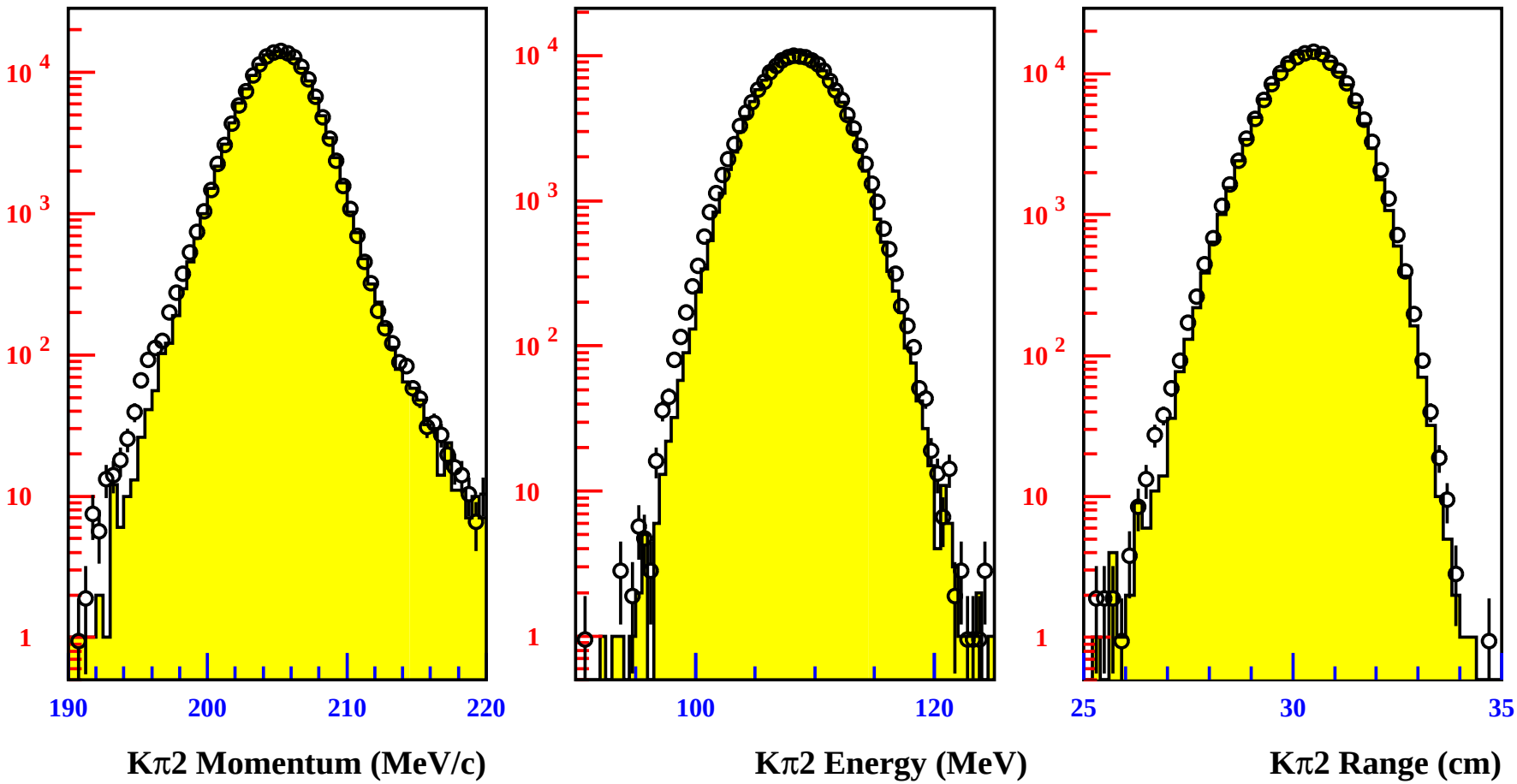

Figure 44: The $K_{\pi 2}$ momentum (left), kinetic energy (middle) and range (right) distı
for E949 (histogram) and E787 (open circles) in $\pi^+\nu\bar{\nu}1$ triggers.