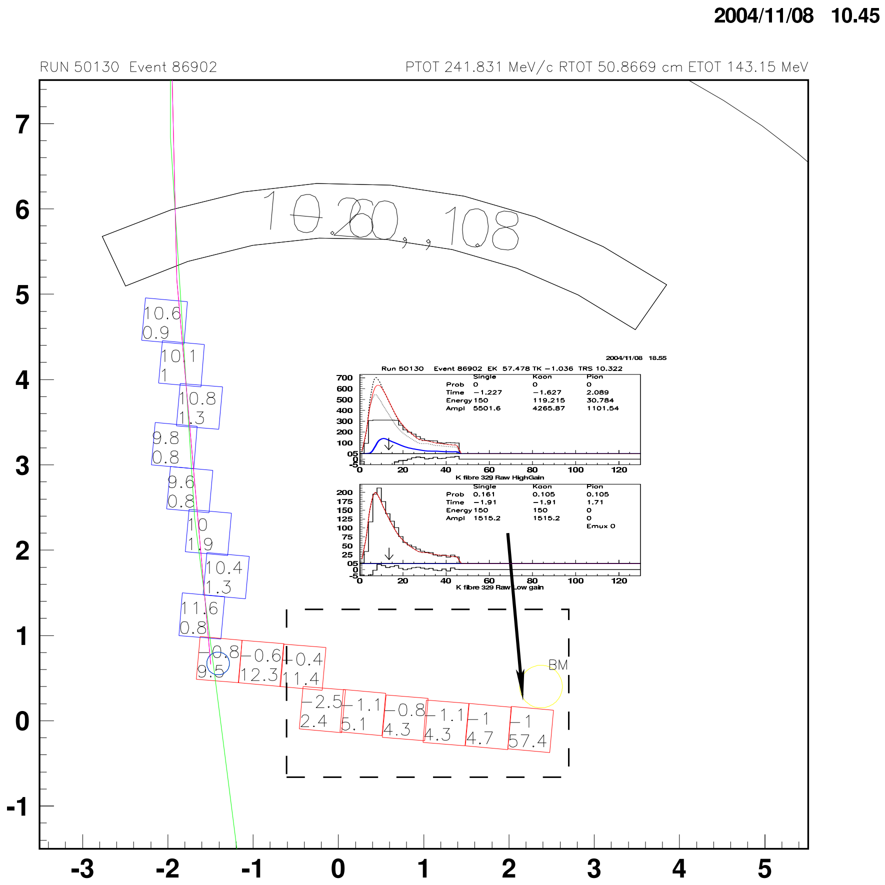

Figure 1: KM21 one pulse sample event. Dashed box shows target fibers with only one amplitude from K^+. Arrow points to particular fiber ccd pulse shapes in high gain and low gain channels.

KM21 one pulse sample selection:

1. KINCUT01 PSCUT02 PVCUTNEW(exclude BVL) TDCUT02(reversed) KMU2BOX
2. DELCO is 6 ns
3. $kpiang > 30^0$
4. $rangeK\_tg$=0 and $|sprK\_tg|$>1 cm for each kaon fiber, where $rangeK\_tg$ is range of the UTC extrapolated track in "KAON" fiber, $sprK\_tg$ is distance from UTC extrapolated track to a given fiber center.

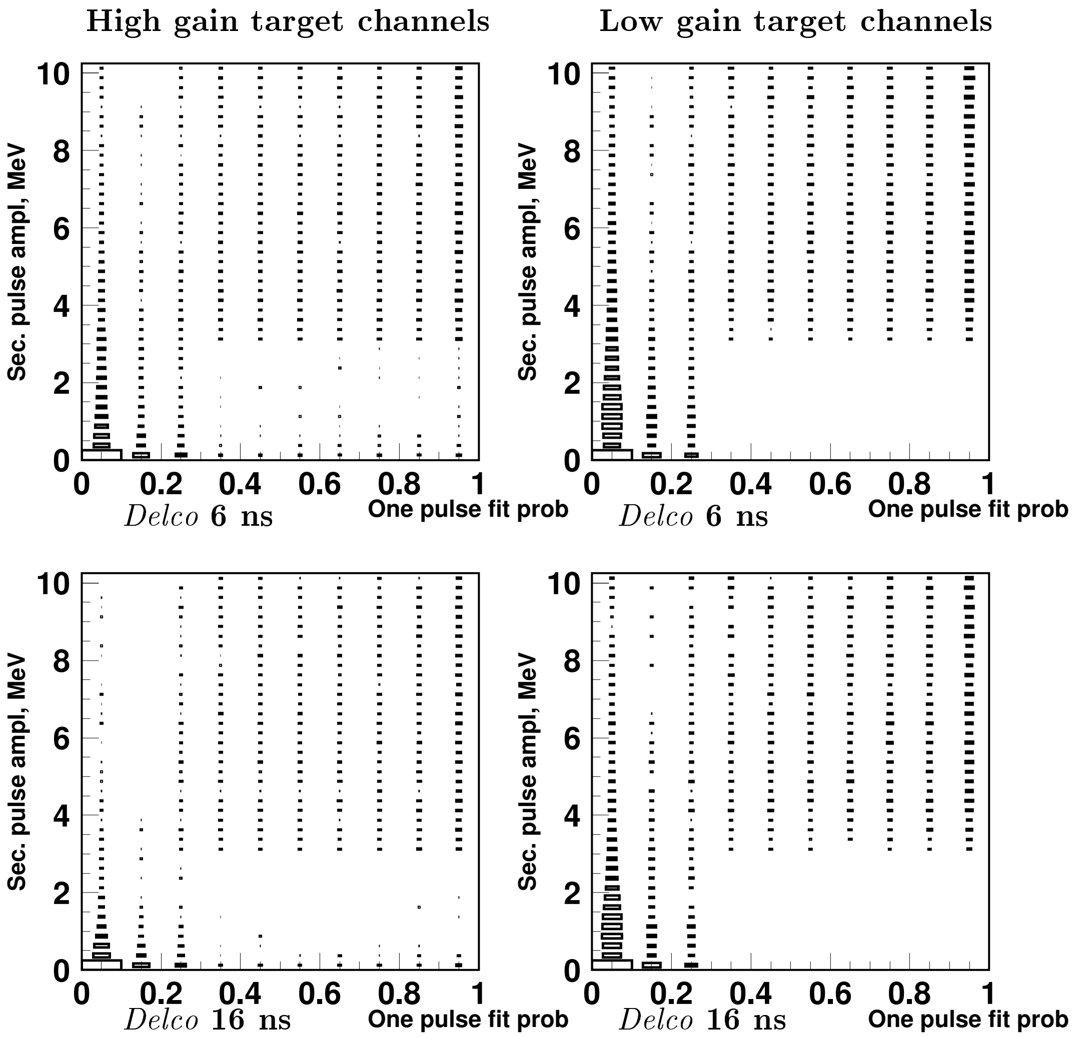

Figure 2: Fitting KM21 one pulse samples with one and two amplitudes. Parameters *Ek*, *tk* are correspond to fit by one amplitude, *Ek*, *tk*, *Epi*, *tpi-tk* are for fit by two amplitudes. Here is shown one amplitude fit probability with second amplitude *Epi* when the fit by two amplitudes is tried.

CCDPUL cut (TN-391):

1. The single fit probability is less than 0.25
2. The flag for a double pulse is on
3. The second pulse has at least three bins with non-zero anplitude in CCD
4. The fit is allowed only within 10 ns of the first pulse
5. The second pulse amplitude is non-zero
6. The double fit probability is greater than 0.001 and the single fit probability is less than 0.001

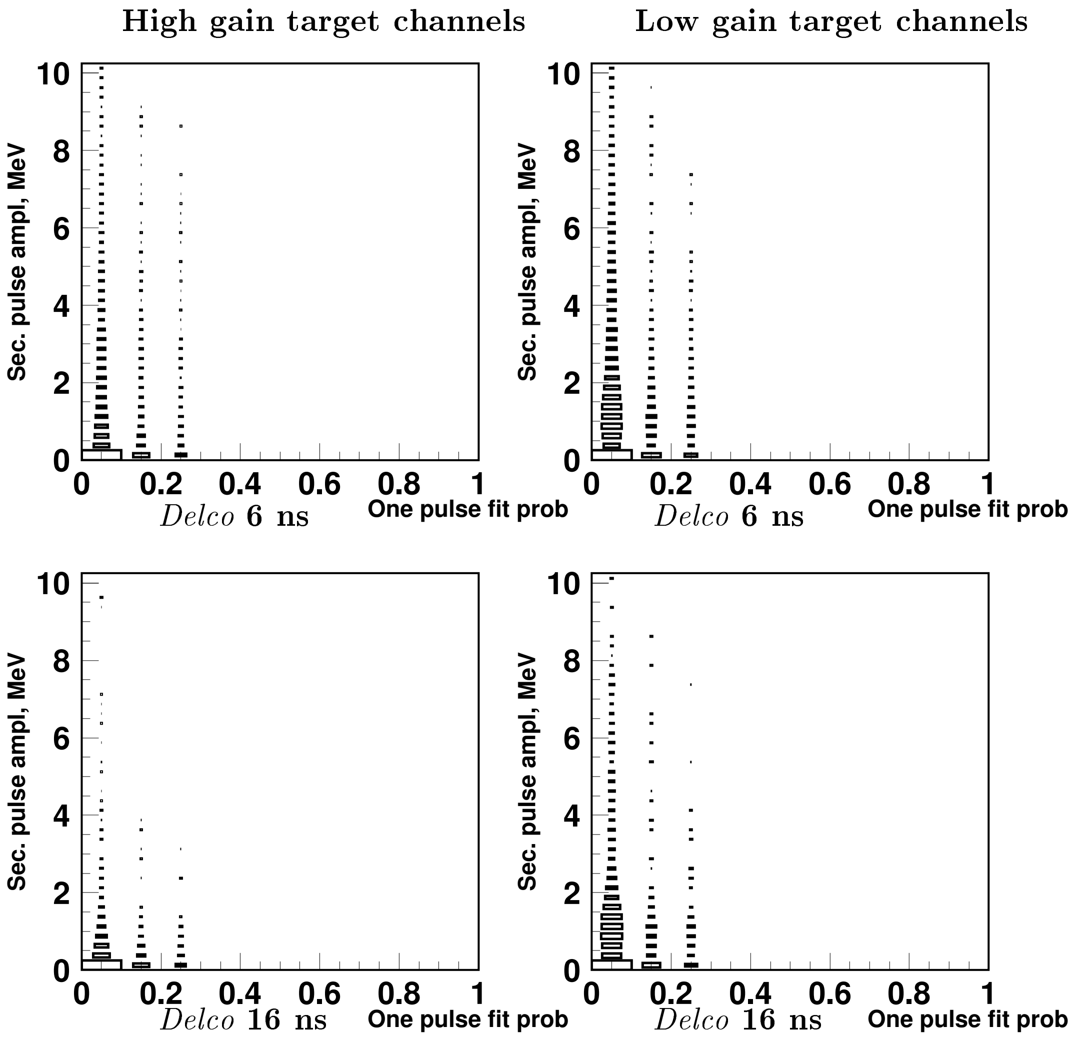

Figure 3: Applying CCDPUL cut to KM21 one pulse samples fit results. Parameters *Ek*, *tk* are correspond to fit by one amplitude, *Ek*, *tk*, *Epi*, *tpi-tk* are for fit by two amplitudes. Here is shown one amplitude fit probability with second amplitude *Epi* when the fit by two amplitudes is tried.