



For CT01:

- $T_{delay} = 34.59 \mu sec$  設定値 (09/12/8に確認)
- $t_5 = 0.632 \mu sec$  測定値(timing\_chart\_091120)  
FxKicker-1からCT01にビームが到達する時間

$$\text{Total} = T_{nu} + 1.92 + T_{delay} + 0.2 + 0.014 + 1 = 60.93$$

$$tx = \text{Total} - T_{fx} - t_5 = 19.998 \sim 20$$

$$T_{SK} - T_{N0} = T_{fx} + tx + t_{dt} + TOF = 1046.418 \mu sec$$

$$T_{LTC-in} - T_{N0} = T_{nu} + 1.95 + ??? = 25.05 + ???$$

$$T_{SK} - T_{LTC-in} = 1046.418 - (25.05+???) = 1021.368 - ??? \sim 1021 \mu sec$$

$$T_{gps} = (T_{fx}+tx) - T_{nu} - 1.92 - (T_{LTC-in}-T_{N2}) = 40.3+19.998 - 23.1-1.92-??? = 35.278-??? \sim 35$$

$$TOF = L_{j-parc2sk} / c = 0.000985138192 \sim 985.1 \mu sec$$

$$L_{j-parc2sk} = 295337 m (\text{survey by ishii-san})$$

For  $T_{xx}$  definition,  
see "timing\_chart.081118.pdf"