

(163.0000) (185.0000)
 Sum 2348. Xc 174.219 FWHM 8.730 = 4.445
 Run # 4786 Mon Jun 17 12:43:24 2002
 HHTRFEXP Max= 287.0

21Na beam

Assume

$$L \sim 37 \text{ m}$$

$$v = \frac{72}{1.86} \text{ ns/u}$$

$$TOF = 2875 \text{ ns}$$

$$\Delta t/t = 1.5 \times 10^{-3}$$

$$\frac{\Delta E}{E} = 3.1 \times 10^{-3}$$

$$\Delta E = 2.6 \text{ keV/u}$$

FWHM

21Na (p,γ)

Expect FWHM

$$\Delta t \sim \frac{10 \text{ cm}}{v}$$

$$\sim 8 \text{ ns}$$

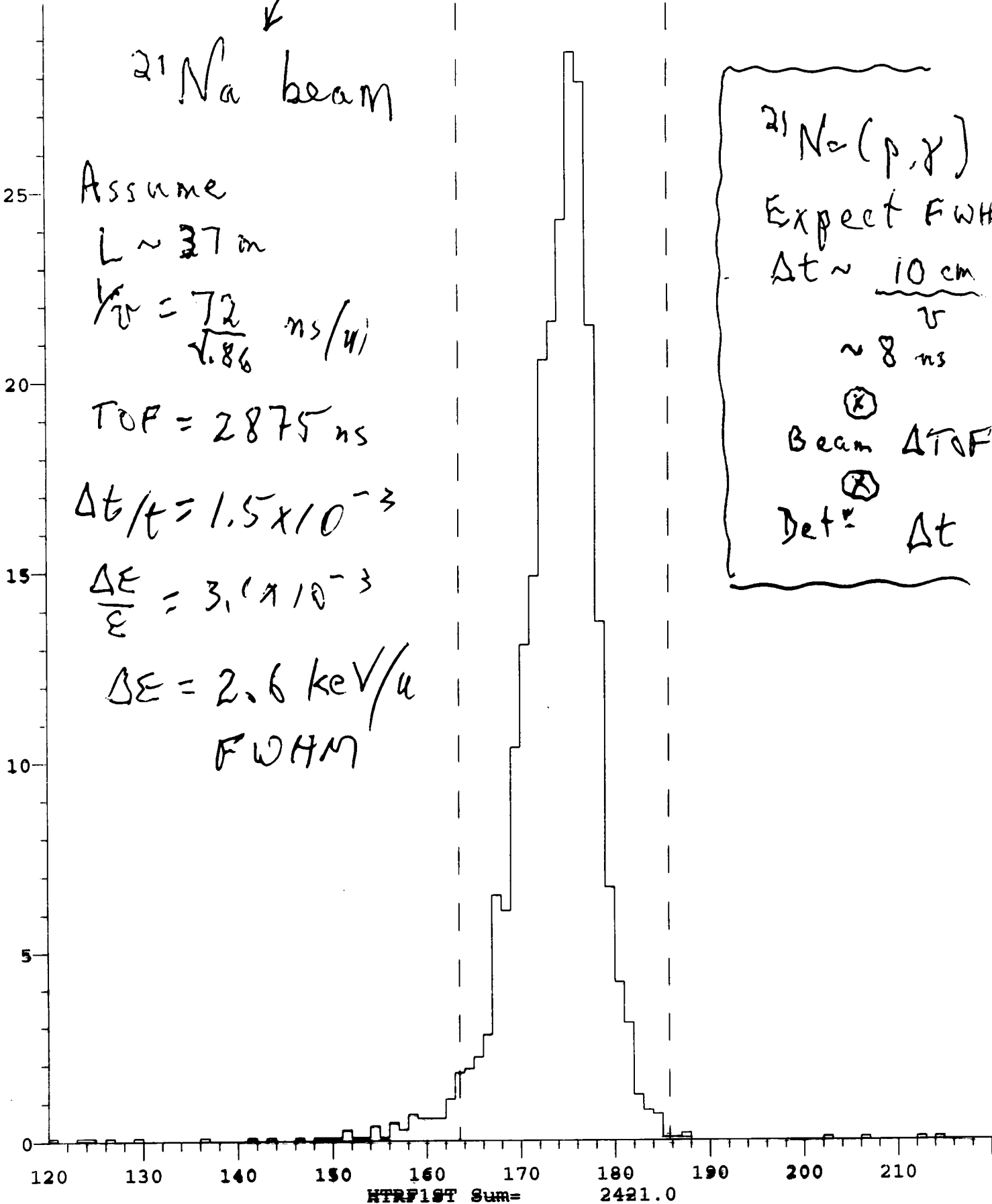
⊗

Beam ΔTOF

⊗

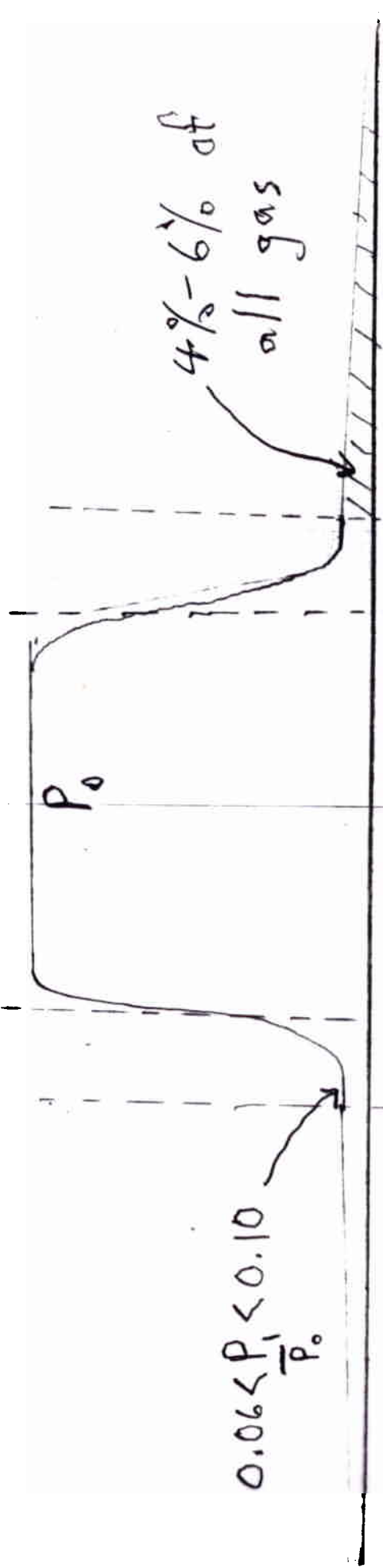
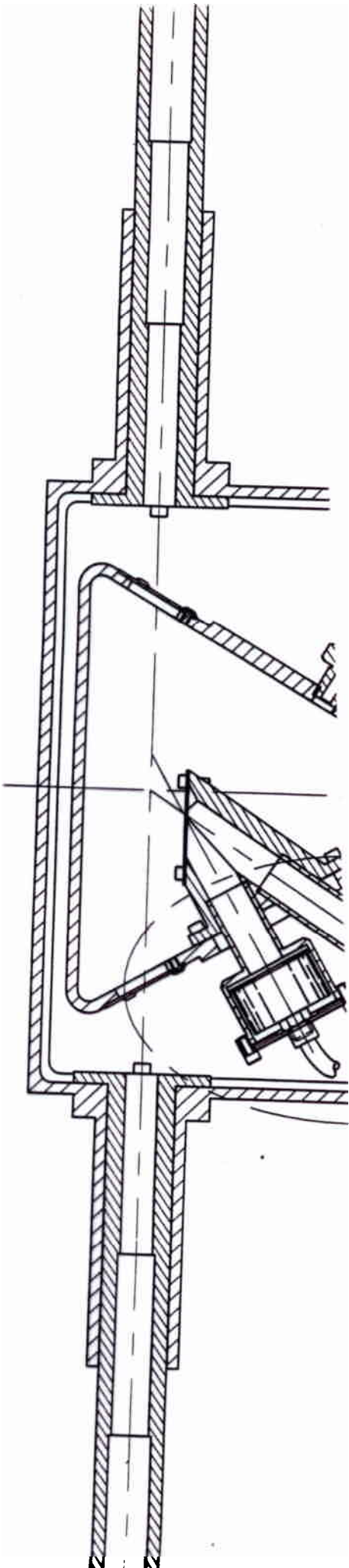
Det = Δt

COUNTS (10**1)



HTRF1ST Sum=

2421.0



4% - 6% of
all gas

$$0.06 < \frac{P_1}{P_0} < 0.10$$

$L_{eff} \sim 11 \text{ cm}$

$L_{eff} \sim 7.5 \text{ cm}$

$L_{eff}^{total} \sim 12.3 \text{ cm}$

