Fig. 5.19.--Comparison of permanent regime with transient profile of second shock.

○ Run #67108-2, Δx = .01, Δt = .0025 μsec, t = 15τ

△ Run #67108-3, Δx = .001, Δt = .0005 μsec, t = 2.25τ

— Permanent regime profile

Fig. 5.19. --Comparison of Permanent Regime with Transient Profile of Second Shock.

is $\tau = 1/3$ µsec, so $\Delta x \approx 2.4\, U_{II}\tau$. Profiles obtained from the transient calculation at $t = 2.25\tau$, 15τ, 22.5τ are shown for comparison. The agreement is very good at 15τ. This agreement is additional evidence of the va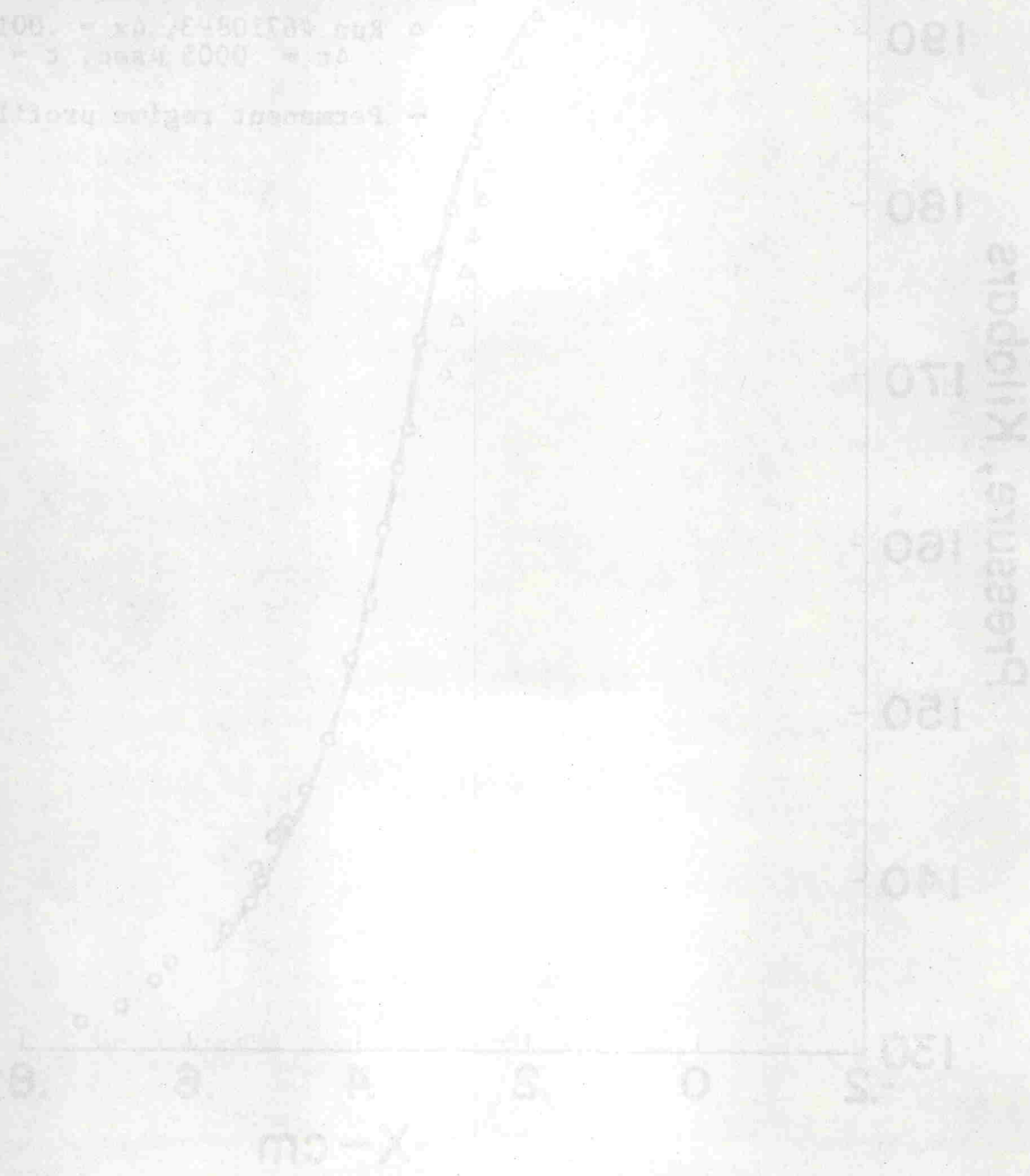lidity of the integration procedure for the transient case.