

ATF Week Summary

02/05/2001 - 02/10/2001

2/5(Mon)

18:44 - Beam on, Linac tuning

DR average Vac. pressure

Beam off -> Beam on

$6.44 \times 10^{-7} \text{pa}$ $8.20 \times 10^{-7} \text{pa}$

20:10 - $8.5 \times 10^9 \text{ e}^-$ at Ext.

WS : $1.9 \times 10^{-11} \text{ Y}$ emittance

DR η_y corr.

Gun Mod. de'Q adjust for low amp. Jitter

24:00 - rep. rate 0.78 -> 1.56Hz

$\sigma_E^E = 8.5 \times 10^{-4}$ at 1×10^{10}

2/6(Tue)

1:00 - Ext. Line η tuning

η_x, η_y meas. by Wire Scanner

-> ϵ_y go to imaginary

9:00 - pol e^+ study

~17:00 - CAMAC VX1 Branch : read error or write error trouble => not fixed.

2/7(Wed)

19:00 - Multi bunch bunching study

SHB AM modulation

2/8(Thu)

1:00 - ϵ vs. Intensity meas.

I	ϵ_x	ϵ_y
2×10^9	1.33×10^{-9}	1.1×10^{-11}
5×10^9	1.67	1.8
8×10^9	1.94	2.2

7:20 - ODR monitor study

9:00 - Double kicker study

18:00 - Beam stop. Because Linac Energy suddenly went lower

ACC. Structure cooling water system trouble

STOP ATF operation, this week.