

Isotope Experiment @ LERF

Timeline
Proposal

Feb 2

thermal cycle 2/1-7

Feb 9

LCLS-II LLRF Studies

Feb 16

Isotope Run 1KW!

1/31 Today

Ask 300 K Warm-up FLO2
30/40K Bump on $\frac{1}{4}$ CM (Later)

Need 25 MeV $\rightarrow$ we have injector 8 + Linac 6 = 14 Me

FLO2 $\rightarrow$ 2 of 8 Cavities are functional; 6 frozen Tuners

11 MeV from 6 cavities ($\frac{1}{2}$ m active length)

Ave $\rightarrow$ 3.7 MV/m - 6 cavities

$\hookrightarrow$ or 22 MV/m for 1 cavity

40K injector Bump Cleans up He leak
- Extends Gun life

Mon ^{2/3} Lower liquid level

Tues - UTubes - 3 hours

Wed - Leak Check

Thurs -

Friday - 300K

Sat

Sun

- Repairs ?

Jog Tuners
during Cool down

Monday

UTubes 1st set

2/3 hours

4K Cool down - 8 hours

Tues

- 2nd set UTube - 2 hours

2K Pump down - Refill - 6 hours

→ other CESTAF studies?

check FLO2

Wed

Recover w/ Network Analyzer

2/17

~~Monday~~

~~FILE~~

~~Low power~~

IX Run

Tues - Iso T Ao