



MTA: MeV Test Area

Jason St. John

Friday 9 O'Clock

2021 March 5

Busy week!

Fri. 2021.02.26:

- Newly replaced UMW8 (final profile before experiment area).
- Moved two loss monitors (LMs) to hotspot location for active monitoring
- Kucera & Arveson pitched in to help understand LM zero-subtraction
 - *Also thanks to Kubinski & Briney of MSD. They make this mechanical stuff look effortless!*
- Stayed late with Saewart and got readouts with some drastic 50 Ohm terminators
- Still no beam on UMW8



Busy week!

Sat & Sun. 2021.02.27-28:

- LMs helped illuminate what UVB12 was doing: Follows negative reference, at least!
- UMW6 scanner confirmed dead
 - *Thanks D. McArthur & J. Arnold for diagnosis and replacement!*
- Still no signal UMW8

Mon. 2021.03.01

- Confirmed UVB12 stopped following positive reference back on Feb. 10
- Hotspot exactly where this would put it!
- New UVB12 power supply in place by end of day
 - *Thanks D. Barak, E. Claypool, & E. Medina for quick work*

Busy week!

Tue-Wed. 2021.03.02-03

- Relocated one LM to near UMW8, as extra way to see activity near goal
- Checked remnant field, magnet connections, DC resistance
- Found and corrected x2 in UVB12 current
 - *Thanks again, EE Support. That one was tricky.*
- Final focus seems off to the side. Need new trim after quads?

Th. 2021.03.04

- Installed & powered new trim after quads
 - *EE Support ftw!*
- Thanks to Carol Johnstone, tuning with this late into the evening

Busy week!

Today:

- Peaks on UMW8!
- Suspect beam incompletely intercepted by foil
 - Might remove foil device completely, to simplify diagnosis

