

Linac3 – W47

24/11/2020

- The effect on the beam of the source moveable puller was investigated more, with emittance measurements made with quad scans. The data is to be processed.
- Source gas controller was fixed – and a spare from VSC is being checked for compatibility. For the mid term this is resolved.
- Vacuum – Multiple events on 19/11/2020 – which look to be due to investigations by the vacuum team. However one ITL sector valve needs a compressed air distributor repair (by VSC).
- OASIS 7.5.5 was tested, and looks to work much better.
- Source switched off for timing test this morning.
- Oven refill scheduled for 30/11 – several interventions in parallel:
 - Vacuum pump controller changes with cabling
 - Sector valve distributor repair
 - Lead measurements

- **LLRF**

- Could measure the beam with the new LLRF controlling the buncher.
- The correct pulse length and timing was set up.
- New phase could be found and the amplitude calibration data was taken – but could not be initially processed because data extraction from NXCALS was not possible (this is working now).
- The state control of the amplifiers and breakdowns are still be to finished.