

# PS 2009/10 Shutdown

Progress report.

# Before Christmas

- PS
- Main magnet audio visual inspection OK.
- Auxiliary Magnet Inspection – one serious water leak on (Bump16)BSW14.
- Main magnet HV test OK.
- MPS carbon brushes changed.
- TT2
- Magnet inspection – water leak on quad 215.

# Septa

- All 4 septa have been changed as foreseen. SMH16, SMH57, SEH23, SEH31.
- SMH 16 and SMH57 baked out.
- Vacuum recovering well.
- Breaking news:
- SMH57 RF bypass/flange on short circuit. Investigating.

# CV

- CV station maintenance continues on schedule. Filters + fan belts etc.
- Replaced 2 ventilation motors in stations 3 and 6.
- Cooling tower maintenance completed.
- Magnet cooling water back on 7/January.

# Access

- Door and key distribution maintenance completed.

# RF Bypasses.

- 3+1 RF vacuum chamber flange bypasses found to have failed. All were of the new type. Decided to replace all 24 new types back to original old type.

# Misc.

- SS 54 wire scanner replaced.
- SS84 New electron cloud chamber installed.
- Dump 47 and 48 checked and OK.

# RF

- All foreseen maintenance on schedule.
- Tuners replaced in cavity 80MHz SS88.
- Maintenance program will be completed by Friday.



# Kickers

- Kicker maintenance on schedule.

# Cabling

- New cabling installations will be completed by Friday.

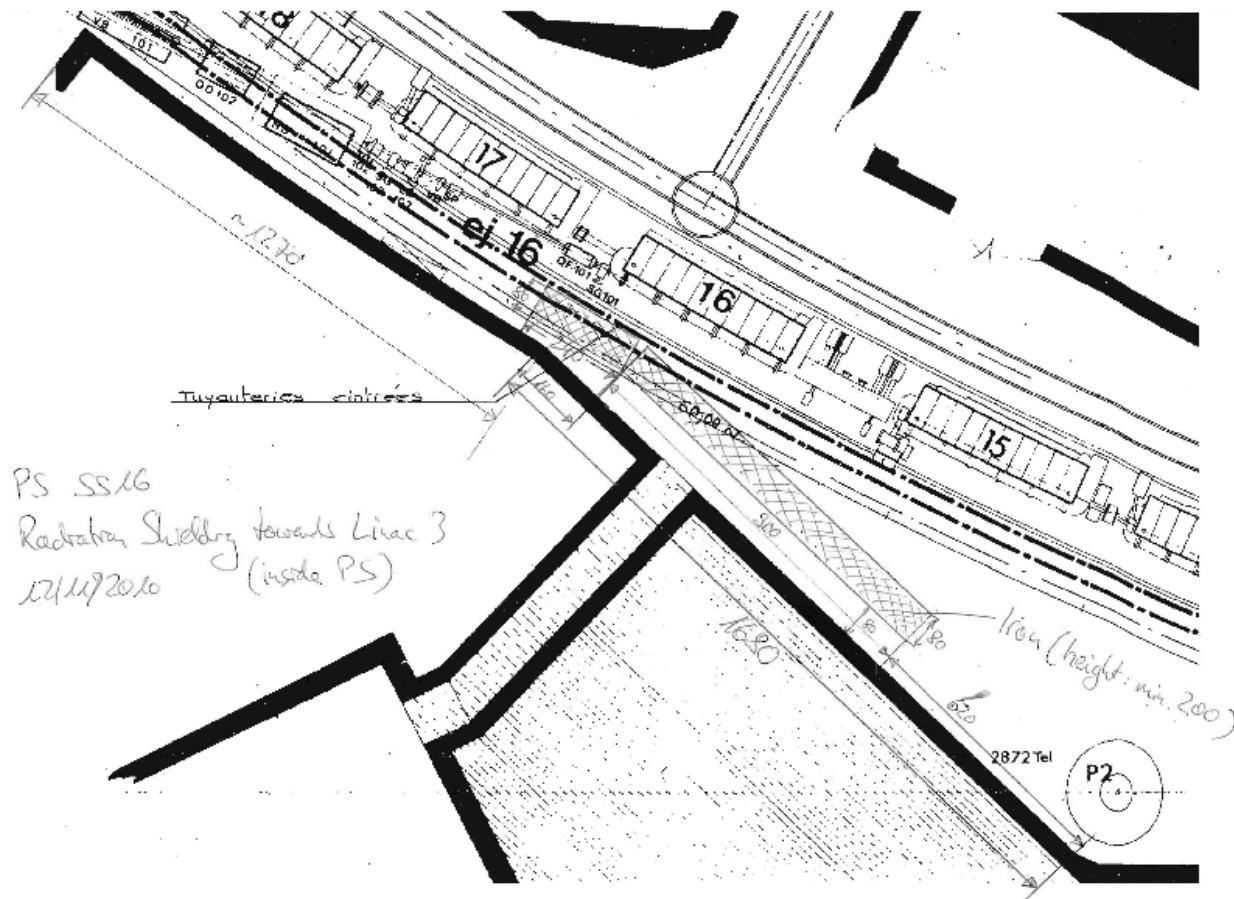
# Septum 16 Shielding wall.

- Installation of shielding wall to reduce radiation levels in Linac 3 during MTE extraction.
- Concrete or Iron? Decision Wednesday.
- Preparing the floor to take the weight.
- Attempt to finish by Friday 29/January.

# Shielding wall position.



# Shielding wall position.



# Hardware test week.

- It is hoped to do Hardware testing during the final 4<sup>th</sup> week.
- Friday afternoon 29/January end of shutdown.