PS Schedule meeting Week 15 (April 9th, 2001)

Please note that due to the Easter Holidays, the next schedule meeting will take place on Tuesday, April 17th, in the PS auditorium.

LINAC2

- A quiet week except for the big power glitch. The Linac was switched during the mains changeover from EOS to EDF, as a precaution to protect the RF equipment.

PSB:

- 4 hours were lost on Tuesday 3rd, because of the power glitch.
- A few problems with the ejection kickers arose at the end of the week, and are bieng investigated.
- AD, TOF, and EASTA beams have been optimised; on AD a new (RF?) problem has appeared, making rings 3 and 4 unstable.
- The new intensity has been retrieved: 3.4×10^{13} have been extracted at 1.4 GeV; it is hoped to do the same at 1GeV very soon.
- A recent controls problem is being investigated: in some applications there is incoherence between the different acquisitions; they do not seem to have been performe on the same cycle.

PS:

- TOF, EASTC have been delivered; EASTC still needs some optimising and TOF needs to be boosted to the full 7×10^{12} ppp intensity.
- EASTB ready; patrol done; ready for transfer lines setting up.
- TSTAD and AD (1.3×10^{13}) are ready.
- AD and TOF have benefited from the blow up implementation in the PSB.
- Several hours were lost waiting for the EOS/EDF mains switchover; it was supposed to take place at 13:30 but only happened after 16:00.
- Faulty wire scanners were quickly fixed.
- It has been found that the intense TOF bunch damages the "matching pads" used to adapt the impedance between the wide band pick-up and its 75 Ohm cable. An attenuato will be placed this morning to try and prevent this.
- 2 hours of breakdown on Sunday because of the Main Generator; the piquet had to call a specialist.
- Several controls problems: logging a working set can cause the console manager to crash; still a few worries with LKTIM; "setup" from the alarm program still hangs; since Linux porting, more and more programs which hang have to be "killed" in specialist mode in order to be able to be restarted.

AD:

- Mosts tests have been very successful first time; only exception : the cryogenic equipment which was only repaired on Thursday.
- the machine is going to be patroled this morning, and the production beam (AD) will b requested. The test beam (TSTAD) will not be requested before Wednesday.

LPI:

- 2 days of machine development allowed the following studies to be completed:

- **PARRNE energy calibration**
- **ejection through the positon injection line**
- **CTF3 radiation level**
- **Tune measurements at 300MeV**

- Installation for PARRNE is taking place. PARNNE will run until Thursday evening i principle, but the LPI supervisor is available on Friday and Saturday, should an extension be needed (confirmed after the meeting)

TOF users:

- it has been a fantastic week (sic!) Temperature measurements w.r.t. beam offset have been completed. Now stabilised at 75C.

- Vibration problems are still under study, but it seems the accelerometer is already broken due to the high level of radioation in the zone.

- A fission spectrum over 8 orders of magnitude in neutron energy (0.1-10^{7} eV) has been completed and fitds well the theory.

- As planned, the technical run should be finished just before Easter.

East Hall users:

- Generally happy, but a few worries

- on T7, LHCb is delayed

- several thousands of muons/spill were observed even with the beam stopper closed. The number dropped to 60 with no explanation.

- As irradiation starts on Easter Monday; tests should take place during the week.

- DIRAC completely installed but will need a 24h stop for access on 17/4

- HARP will also need an access on 17/4, to install some Cherenkov counters.

ISOLDE:

One week ago, the vacuum leak ha been provisionally fixed. Now in addition, mechanical error has been found and fixed, but delays have already canceled the first run. ISOLDE is restarting Thursday 12/4.

MD's planned for week 15

LINAC2 will program one or two pulses to their measurement line on Tuesday 10/4(Scrivens)

The MDRF cycle will be used without beam to work on the RF for LHC-type beams on Wednesday 11/4 and Thursday 12/4 (R.Garoby)

D.Manglunki, PS/OP