

LPI Commissioning Meeting
Held on 18.04

JWBK.

1. MD Notes. "What was found by setting LL-V with values obtained from calculation Note PS/LP 88-23 by A. Riehe et al.

Question: what is the calculated beam spot size at VL-WBS25 (and at the converter target). The spot size measured: large V (FWHM \approx 6 mm).

2. Studies last week. The ion studies could not be made as gun V was down for 16 hrs. The single e^- test could be started. Turned out not possible to eject after $1/4$ turn with the bumper HR-BSWg1. Extraction after a couple of turns.

Setting up with 500 keV e^- beam. Then converter in, MDK13 displaced, HV gun reduced - ... the detector at the end of the dump line "showed" presence of e^- 's but equipment not ready for absolute measurements. (to be put right for next test).

3. Report Period Supervisor (B. Frammery).

e^- and e^+ beams correctly accumulated, extracted from EPA.

Problems encountered with synchronizing EPA and PS. (first 8 hrs PS settings were lost). Finally, Friday afternoon e^-/e^+ in ppm achieved - but not very long time as e^-/e^+ switching down (nothing at output IK-box). Unresolved problem.

4. PS tests (R. Catti).

In spite of many instabilities, e^- 's accelerated and extracted. Last year's settings still OK. However, no e^-/e^+ in ppm - yet. Some e^+ 's injected.

5. Possible studies this week (WK 16)

Priority to have e^-/e^+ ppm and on Tuesday, 14 hr - 22 hr, PS tests.

Studies: c.o. as function Q_V and effect localized kick (HR-DUT83).
 ion studies and emittances.

6. Concerning programme WK 17.

As SPS needs beam on Thursday 28.04 at 08 hr, there will be MD on Tuesday and

Wednesday (8 hr for PS).

7. Report on ICFA workshop on dynamic apertures H. Kugler.

Dist. — standard.

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