

CONCLUSION

H. Braun

two quotes*

Jean-Pierre:

*we should know the injector design
at the end of this meeting*

Diane:

*we are at the first
iteration*

* admittedly not precise and out of context

Conclusions

CLIO gun

seems to be progress well, no worries for time being

CTF3 gun

- increase of space charge limited current from 7 A o 9 A @140kV seems to be ok.
- LAL will take care of those solenoids which are integrated in the gun design.
- power supply τ 160 kV, 5 mA
- demand of variable pulse-length \Rightarrow pulser design has to be reconsidered
- HV capacitance will be made with several HV capacitors \Rightarrow can be adapted to best safety/voltage stability compromise later on, once appropriate simulations for the final injector layout exists

pre-buncher/buncher strategy

- one common buncher design for both SHB flavours, to be defined for February. This allows to make buncher for 2002.
(I believe we are much closer to final parameters than 1st iteration)
- 3 GHz pre-buncher parameters needed very soon after, to allow LAL to start work on these pre-bunchers.
- decision on SHB flavour needs combined SLAC/CERN effort to get performance and cost estimates for both systems

solenoids

- new solenoids have to be build, but probably all off them can use existing designs
- field of up to 2kG can be reached with existing LIL e^+ power supplies

beam-loading

- Roger will check beam-loading for buncher

power mode for initial phase

- no major obstacles in injector

organization issues

- closer direct contact/exchange of information LAL-SLAC desirable
- quality of communication concerning modifications, developments, results should improve. Written (informal) notes on the status of the work in the collaborating laboratories would be very useful