Minutes of ABS meeting held on
November 28 and December 12, 1995

Present on November 28: B. Autin, V. Ducas, M. Lindroos, M. Martini, E. Wildner.
Present on December 12: B. Autin, J. Boillot, M. Bouthéon, I. Cupérus, F. Di Maio, V. Ducas, B. Frammery, R. Gianini, Ch. Hill, M. Lindroos, M. Martini, F. Perriollat, J.P. Riunaud, J.C. Schnuriger, Ch. Serre.

Topics of November 28: Papers for EPAC. Selector.
Topic of December 12: ABS manpower

1. Papers for EPAC

The abstracts have been reviewed and the following papers will be proposed for EPAC'96.

B. Autin, V. Ducas, O. Jensen, A. Kazymov, M. Lindroos, J. Schinzel, E. Wildner
Dynamic linkage between object oriented data base and beam optics applications

I. Kirstein, D. Manglunki, M. Martini
Trajectory and transfer matrices in a non-linear stray field

B. Autin, J.P. Koutchouk, E. Wildner
Application of symbolic techniques to structural beam optics

2. Selector

Vincent Ducas explained the various parts of the selector.

a. ORACLE Data Base: Structuration of the Booster layout.

b. Creation of functions able to retrieve relevant information from the Booster data base for the application program (here optical parameters for *Beam Optics*).
Technical details: PL/SQL language.

c. Manipulation of these parameters to get the right format needed by the application.
Technical details: Pro*C language.

The selector consists in b+c, and works on Windows and UNIX platforms.
It has to be generalized to various machines (PS,SPS,LEP) and numerous applications.

d. Encapsulation of this selector in Mathematica package (*ABS*) through the MathLink tool.

3. ABS Manpower

The persons involved in ABS in 96 and their tasks are shown in the following table.

Persons	*Activities*
B. Autin	System integration. Optics developments.
F. Di Maio & M. Arruat	Standardization of existing applications (PSB to PS transfer, coherent oscillations in PS, · steering for SEM grids in TT2, emittance measurements in TT2) + closed orbit interface
V. Ducas	Interface between data base and application programs.
G.H. Hemelsoet	Maintenance of PSB-PS transfer.
M. Lindroos +A. Kazymov	Data base structuration. Application to PSB and PS
M. Martini + M. Bole-Feysot + M. Zanolli	Coherent oscillations of leptons. PS closed orbits. Proton ejection from PS. Data entry for PS ring. Data entry for transfer lines.
J.C. Schnuriger	Beam steering for antiprotons.
E. Wildner + O. Jensen + O. Tungesvik & V.Vicente	Transfer from Linac to PSB. Injection into PSB. Programs integration. Graphics interface for *BeamOptics*. Coherent oscillations in PSB (extension in 97 shutdown).

Next meeting

Tuesday, January 9, 1996 at 16 hr in 19-3-031
Agenda: Table structures, by M. Lindroos
             Linac line, by E. Wildner

Bruno Autin

Distribution:
ABS team
PS/DI group
Group Leaders
G. de Rijk (SL), J. Schinzel (AT)