DESIGN OF THE e⁺ AND e⁻ INJECTION BEAM TRANSFER LINES BETWEEN LIL AND EPA

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The beam optical computations presented in the above note have been done with a modified AGS program, including fringe field correction in bending magnets¹⁾.

Due to a formatting error in the use of the program <u>fringe field correction</u> term was not taken into account as intended.

The error has been corrected with the following results:

- the trajectory stays the same, only quadrupole positions have slightly changed.
- the characteristic functions are practically the same. The quadrupole current settings and the newest AGS printout is annexed and should replace those shown in the note:

Quadrupole magnets

Calculations made for type "Terwilliger ISR" : $B\sigma = 2.0013843$; GL = 1.8 T at I = 131A; $\ell m = 0.38$ m; E = 600 MeV.

Name*)	K [m ⁻²]	G.2 [T]	I [A]	Quantity
OFO 11	2.00861	1.52760	111.18	2
QFO 11	2.00801	1.32/60	111.10	
QDE 21	"	"		2
QFO 22	2.40079	1.82586	132.88	2
QDE 23	"	"		2
QFO 24		••	"	2
QDE 25		"	"	2
QFO 26	"	"	••	2

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