





06/02/2014

CAS: Septa & Kickers. M.J. Barnes.

3

Septum Location		Beam momentum (GeV/c)		Gap Height (mm)		Max. Current (kA)		Magnetic Flux Density (T)		Deflection (mrad)	
LEIR/AD/CTF (13 systems)		Various		25 to 55		1 DC to 40 pulsed		0.5 to 1.6		up to 130	
PS Booster (6 systems)		1.4		25 to 50		28 pulsed		0.1 to 0.6		up to 80	
PS complex (8 systems)		26		20 to 40		2.5 DC to 33 pulsed		0.2 to 1.2		up to 55	
SPS Ext.		450		20		24		1.5		2.25	
Kicker Location	mo	Beam mentum GeV/c)	# Magnets		Gap Height [V _{ap}] (mm)	Current (kA)	Impedance (Ω)		Rise Time (ns)		Total Deflection (mrad)
CTF3	0.2		4		40	0.056		50	~4		1.2
PS Inj.	2.14		4		53	1.52	26.3		42		4.2
SPS Inj.		13/26	16		54 to 61	1.47/1.96		6.67/12.5	115/200		3.92
SPS Ext. (MKE4)	450		5		32 to 35	2.56	10		1100)	0.48
LHC Inj.		450 4		54		5.12	5		900		0.82
LHC Abort	C Abort 450 to 7000		15		73	1.3 to 18.5	1.	5 (not T-line)	2700)	0.275







































































































