

R&D Section Outline (DR- Related)

4	Beam Test Facilities	70			
4.3	CesrTA and electron-cloud R&D	15	<u>Palmer</u>		Updated Interim Report
	4.3.1 The CesrTA R&D programme				
	4.3.2 Electron cloud R&D at other laboratories				
4.4	ATF2 Final Focus experiment	15	<u>Tauchi</u>	Burrows	<i>Includes DR experiments?</i>
5	Accelerator Systems R&D	70			
5.4	Damping rings	15	<u>Guiducci</u>	Palmer	Updated Interim Report

Damping Rings Outline

6	Damping Rings		25	Guiducci Palmer	
6.1	Top-level parameters and layout		2	Guiducci, Palmer	new
6.2	Lattice description		2	Rubin, Cornell	new
6.3	Beam dynamics				
	6.3.1	Dynamic Aperture	2	Rubin, Cornell	new
	6.3.2	LET	2	Rubin, Cornell	new
	6.3.3	Collective Effects	1	Guiducci/Palmer	from RDR
	6.3.3.	Electron Cloud	3	Pivi (Palmer)	new
	6.3.3.	Fast Ion	2	Guoxing, Lanfa ?	new
6.4	Vacuum system (e-cloud mitigation)		3	Li, Palmer, Cornell, KEKB	new
6.5	RF systems		3	Gallo, Boni, LNF	RDR updated
6.6	Magnets and power supplies		3	Palmer, Cornell + SLAC	new, based on RDR tables
	6.6.1	Superconducting Wigglers		Crittenden, Palmer	
	6.6.2	Conventional Magnets		Palmer, Spencer,	
	6.6.3	Power Supply System		Bellomo, Billing	
6.7	Instrumentation and feedback				
	6.8.	Diagnostics and Instrumentation	1	Billing?	from RDR
	6.8.	Fast Feedback systems	1	Drago, LNF	from RDR
6.8	Injection and Extraction systems		2	LNF + KEK	RDR updated
			25		