Simulation for	exchanged shb3 an				
energy cut after 2 ^r	nd accelerating structur a	t 17 MeV			
sub harmonic bu	nchers (7.5A gun curre	ent needed for reas	sonable current af	ter injector!!!)	
energy [MeV]	rms bunch length	ε _{x,n,rms} [µrad]	ε _{y,n,rms} [µrad]	main bunch	satellit
17.7±0.2	15.2°	32·π ¹⁾	32·π ¹⁾	3.6 A (48 %)	3.0%
		30 ·π ²⁾	28·π ²⁾		
3 GHz operation ((5.5A gun current)				
energy [MeV]	rms bunch length	ε _{x,n,rms} [µrad]	ε _{y,n,rms} [µrad]	main bunch	
17.6±0.2	12.4°	14 ·π ¹⁾	14·π ¹⁾	3.8 A (69 %)	
		10·π ²⁾	11·π ²⁾		
¹⁾ all particles, resu	It from Parmela				
²⁾ single bunch, energy > 17 MeV					