

















The	omso	n back	-scatte	ring s	ource)
carica (pC)	energia (MeV)	enx (mm mrad)	eny (mm mrad)	IP sigmax mm	I <u>P sigmay</u> (mm)	
230	157	2.7	4.5	.50	.55	-
230	50	1.2	2.3	.17	.18	

Electron Beam	Units	WP Parameters	FLAME laser pulse	Units	WP Parameters	
Energy	MeV	50	Pulse Energy	J	0.5	
Energy Spread	%	0.1 ± 0.03	Wavelength	nm	800	
Pulse Length	ps	3.1 ± 0.2	Pulse Length	ps	6	
Spot Size	μm	90 ± 3	Spot Size	μm	10	
Charge	pC	200	Repetition	Hz	10	
Emittance	mm mrad	$1.5:2.2\pm0.2$	Rate	112		
 Electron be of a limit in upstream of its nomi In this con about 90 µ 	eam spot siz n the magned the IP nal value. dition the m m. s obtained ii	e had to be of 5 cooling system could be us inimum rms sp	joµm. Because n, the solenoid ied at 70% pot size was of	Sa 10.4 (mu) 10.2 10.9 10 9.8	mple Image	



Detector: Csl scintillator (20x20x2 mm) + Photo Multiplier Tube



Front view (shielding)



Rear view (PMT)



















































