

















	carica	<u>energia</u>	enx	eny	IP sigmax	IP sigmay
	(pC)	(MeV)	(mm mrad)	(mm mrad)	mm	(mm)
	230	157	2.7	4.5	.50	.55
	220	75	2.9	5	.28	.36
	230	50	1.2	2.3	.17	.18
81						

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	10	
of a limit in upstream of its nomi In this con about 90 µ	n the magnet the IP nal value. dition the m m.	e had to be of $\frac{1}{5}$ t cooling system could be us ninimum rms sp <i>i</i> ith $\sigma_{x-y} = 240$	n, the solenoid sed at 70% pot size was of	Sa 10.4 (mu) (10.2 9.8	mple Image	



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



Front view (shielding)



Rear view (PMT)



















































