

ePC	MuCap	ePC1		ePC2	
Overall geometry					
Diam.	Anodes	384	mm	640	mm
Diam.	Cath.outer	392	mm	648	mm
Diam.	Cath.inner	376	mm	632	mm
Diam.	Shielding outer	395	mm	652	mm
Diam.	Shielding inner	373	mm	628	mm
Shielding	Foil Thickness	25	um	50	um
Shielding	Foil Coating	Al		Al	
Total	length of Det	690	mm	910	mm
Length	of Cylinders	640	mm	860	mm
Active	length	580	mm	800	mm
ID	inner ring	359	mm	615	mm
OD	outer ring	423	mm	677	mm
Thickness	in rad length	0.978 E-3		01.758 1E-3	
Thickness	in mg/cm2	37		64	
Cathodes					
Angle	Cath. inner	46.189°	right screw	45.738°	right screw
Angle	Cath. outer	43.806°	left screw	44.308°	left screw
Pitch	Cath. inner	4.444	period	4.444	period
Pitch	Cath. outer	4.444	period	4.444	period
Number	of Cath Str inner	192		320	
Number	of Cath Str outer	192		320	
Cathode	Foil Thickness	50um	Kapton	50um	Kapton
Cathode	Foil Coating		Au		Au
Anodes					
Wire	spacing	2.3560	mm	1.963	mm
Halfgap		4	mm	4	mm
Diam	of wires	20	um	20	um
Mat.	of wires	goldplated	Tungsten	goldplated	Tungsten
Mech	Wire-tension	0.6	N	0.6	N
Number	of Anode wires	512		1024	
effect of grounding mesh					
material	bronze	Cu-89, Zn-9, Pb-2		8.82g/cm2	100um
thickness	1 mesh in rad length	0.0070			