

Subsystems symmetric in Φ											
Subsystem	Material	Name	Minimum z (cm)	Maximum z (cm)	Inner radius (cm)	Outer radius (cm)	Minimum θ (radians)	Maximum θ (radians)	Minimum η	Maximum η	Notes
Barrel EM Calorimeter	Lead Glass (O, Si, Ti, As, Pb)	EMLF	-70	180	100	140	2.182	0.507	-0.65	1.35	
DIRC	Fused Silica (SiO2)	DIRC	-65	175	85	87	2.224	0.452	-0.70	1.47	
Silicon detector inner layer	Silicon	SITA	-20	20	2	2.02	3.042	0.100	-3.00	3.00	
Silicon detector middle layer		SITB	-20	20	15.99	16.01	2.467	0.674	-1.05	1.05	
Silicon detector outer layer		SITC	-20	20	29.98	30	2.159	0.982	-0.63	0.63	
Tracking	Mylar, Ar/CF4/CO2 90:5:5	TRAA	-759	-641	2	45	3.139	3.072	-6.63	-3.35	
		TRCC	-60	-20	2	30	3.108	2.159	-4.09	-0.63	
		TRDD	22	172	2	30	0.938	0.012	0.68	5.15	
		TRAP	841	959	2	45	0.053	0.002	3.62	6.87	
High Threshold Cherenkov	Carbon dioxide	HTCK	-160	-85	2	149	3.129	2.089	-5.08	-0.54	r & z given are those that define min/max angles - see figure for detailed shape
RICH	C4F10 (Perfluorobutane)	RICH	215	320	2	150	0.609	0.006	1.16	5.77	
	Aerogel (O2SiH2)	AERO	170	175	2	85	0.464	0.011	1.44	5.16	
Barrel tracker outer surface		BARL	-58.6	167.6	81	81.1	2.197	0.450	-0.67	1.47	
Barrel tracker inner surface	Beryllium	BARI	-58.6	167.6	30	30.1	2.668	0.177	-1.42	2.42	
Barrel Tracker left end plate	Aluminium	BLEP	-59.9	-58.7	30	81.1	2.677	2.197	-1.44	-0.67	
Barrel Tracker right end plate	Aluminium	BREP	167.7	169.9	30	81.1	0.450	0.175	1.47	2.43	
Barrel Tracker gas volume	Helium, isobutane 80:20	BARR	-58.5	167.5	30.2	80.9	2.665	0.178	-1.42	2.41	
Solenoid		SOLN	-160	320	150	225	2.388	0.438	-0.93	1.50	
Right Dipole Magnet	Iron	DPRT	800	1100	60	90	0.112	0.054	2.88	3.60	
Left Dipole Magnet		DPLF	-900	-600	60	90	3.075	2.993	-3.40	-2.60	
Beam Pipe	Beryllium	PIPE	-1300	1300	1.9	2	3.140	0.001	-7.22	7.22	

Subsystems asymmetric in Φ													
		Material	Name	x dimensions (cm)		y dimensions (cm)		z dimensions (cm)		Notes			
				Minimum	Maximum	Minimum	Maximum	Minimum	Maximum				
Hadronic calorimeters	Inner		Iron, Propylene (C3H6)	HCRT	-150	150	2.5	145	360	422			
				HCHZ	5	150	-2.5	2.5	360	422	Duplicated with negative x		
	Outer			HCRM	-150	150	3	145	1140	1202			
				HCHO	3	150	-3	3	1140	1202	Duplicated with negative x		
Electro-magnetic calorimeters	Forward		Lead Glass (O,Si,Ti,As,Pb)	EMEE	-150	150	2.5	145	320	360			
				EMeI	5	150	-2.5	2.5	320	360	Duplicated with negative x		
				Outer		EMeM	-150	150	3	145	1100	1140	
						EMeQ	3	150	-3	3	1100	1140	Duplicated with negative x
	Backward			EMHM	-150	150	2.5	145	-200	-160			
				EMHQ	5	150	-2.5	2.5	-200	-160	Duplicated with negative x		
				EMHE	-150	150	3	145	-940	-900			
				EMHI	3	150	-3	3	-940	-900	Duplicated with negative x		