

Level I	Level II	Level III	Level IV	Level V	Level VI	Level VII	Level VIII	
1	11	111. Magnet system						
			111.1 Solenoid					
			111.2 Toroid					
				111.21 Barrel	111.211 Barrel 2/4/6/8/10/12/14/16			
				111.22 EndCap	111.221 Toroid EndCap Sym.			
		112. Inner Detector						
			112.1 Pixel					
				112.11 Barrel				
					112.111 Layer 0			
					112.112 Layer 1			
					112.113 Layer 2			
				112.12 EndCap				
					112.121 Disk 1	112.121.1 Disk 1 Sym.		
					112.122 Disk 2	112.122.1 Disk 2 Sym.		
					112.123 Disk 3	112.123.1 Disk 3 Sym.		
			112.2 SCT					
				112.21 Barrel				
					112.211 Layer 3			
					112.212 Layer 4			
					112.213 Layer 5			
					112.214 Layer 6			
				112.22 EndCap				
					112.221 Disk 4	112.221.1 Disk 4 Sym.		
					112.222 Disk 5	112.222.1 Disk 5 Sym.		
					112.223 Disk 6	112.223.1 Disk 6 Sym.		
					112.224 Disk 7	112.224.1 Disk 7 Sym.		
					112.225 Disk 8	112.225.1 Disk 8 Sym.		
					112.226 Disk 9	112.226.1 Disk 9 Sym.		
					112.227 Disk 10	112.227.1 Disk 10 Sym.		
					112.228 Disk 11	112.228.1 Disk 11 Sym.		
					112.229 Disk 12	112.229.1 Disk 12 Sym.		
			112.3 TRT					
				112.31 Barrel				
					112.311 Type 1			
					112.312 Type 2			
					112.313 Type 3			
				112.32 EndCap				
					112.321 Type A	112.321.1 Type A Sym.		
					112.322 Type B	112.322.1 Type B Sym.		
		113. Calorimetry						
			113.1 Lar					
				113.11 Barrel				
				113.12 EndCap				
					113.121 EMEC	113.121.1 EMEC Sym.		
					113.122 HEC	113.122.1 HEC Sym.		
			113.123 FCal	113.123.1 FCal Sym.				
	113.2 Tile							
		113.21 Barrel	113.211 Barrel 1-16					

Level I	Level II	Level III	Level IV	Level V	Level VI	Level VII	Level VIII	
Detector	12	114. Muon Spetrometer		113.22 Barrel extended	113.221 Barrel extended 1-16	133.221.1 Barrel extended Sym.		
			114.1 Barrel					
				114.11 BI Inner		114.111 BIL 114.112 BIS 114.113 BIR/BIM		
				114.12 BM Middle		114.121 BML 114.122 BMS 114.123 BMF		
				114.13 BO Outer		114.131 BOL 114.132 BOS 114.133 BOF/BOG		
			114.2 Endcap					
				114.21 EI Small wheel		114.211 EIL/CSCL 114.212 EIS/CSCS 114.213 TGC(I)	114.211.1 EIL/CSCL Sym. 114.212.1 EIS/CSCS Sym. 114.213.1 TGC(I) Sym.	
				114.22 EE Extra wheel		114.221 EEL 114.222 EES	114.221.1 EEL Sym. 114.222.1 EES Sym.	
				114.23 EM Big wheel		114.231 EML 114.232 EMS 114.233 TGC(M1,M2,M3)	114.231.1 EML Sym. 114.232.1 EMS Sym. 114.233.1 TGC(M1,M2,M3) Sym.	
				114.24 EO Outer wheel		114.241 EOL 114.242 EOS	114.241.1 EOL Sym. 114.242.1 EOS Sym.	
			115. Shilding					
				115.1 Disk shilding	115.11 Disk shilding			
				115.2 Forward shilding	115.21 Forward shilding			
				115.3 Moderate shilding	115.31 Moderate shilding			
				115.4 Lar cal shilding plugs	115.41 Lar cal shilding plugs			
				115.5 Toroid shilding				
					115.51 Toroid Inner Bore Tube	115.511 Toroid Inner Bore Tube		
					115.52 Endcap Toroid Shildeing	115.521 Endcap Toroid Shildeing		
				115.6 Nose shilding	115.61 Nose shilding			
			116. Beam Pipe					
			121. Mechanical Structure					
				121.01 Feet and Rails				
					121.01.1 Feet	121.01.11 Feet Sym.		
					121.01.2 Rails	121.01.21 Rails Sym.		
				121.02 Pixel Supports				
					121.02.1 Pixel Barrel Supp			
						121.02.11 Layer 0 Support		
						121.02.12 Layer 1 Support		
						121.02.13 Layer 2 Support		
						121.02.14 Pixel Barrel Frame		

Level I	Level II	Level III	Level IV	Level V	Level VI	Level VII	Level VIII
Support Structure				121.02.2 Pixel Endcap Supp			
					121.02.21 Disk 1 Support	121.02.211 Disk 1 Support Sym.	
					121.02.22 Disk 2 Support	121.02.221 Disk 2 Support Sym.	
					121.02.23 Disk 3 Support	121.02.231 Disk 3 Support Sym.	
					121.02.24 Pixel Endcap Frame	121.02.241 Pixel Endcap Frame Sym.	
		121.03 SCT					
			121.03.1 SCT Barrel Supp				
					121.03.11 Layer 4 Support		
					121.03.12 Layer 5 Support		
					121.03.13 Layer 6 Support		
					121.03.14 Layer 7 Support		
					121.03.15 Barrel Support Cilindre		
			121.03.2 SCT Endcap Supp				
					121.03.2.01 Disk 4 Support	121.03.2.01.1 Disk 4 Support Sym.	
					121.03.2.02 Disk 5 Support	121.03.2.02.1 Disk 5 Support Sym.	
					121.03.2.03 Disk 6 Support	121.03.2.03.1 Disk 6 Support Sym.	
					121.03.2.04 Disk 7 Support	121.03.2.04.1 Disk 7 Support Sym.	
					121.03.2.05 Disk 8 Support	121.03.2.05.1 Disk 8 Support Sym.	
					121.03.2.06 Disk 9 Support	121.03.2.06.1 Disk 9 Support Sym.	
					121.03.2.07 Disk 10 Support	121.03.2.07.1 Disk 10 Support Sym.	
					121.03.2.08 Disk 11 Support	121.03.2.08.1 Disk 11 Support Sym.	
					121.03.2.09 Disk 12 Support	121.03.2.09.1 Disk 12 Support Sym.	
					121.03.2.10 Endcap Support Cilindre	121.03.2.10.1 Endcap Support Cilindre Sym.	
		121.04 TRT					
			121.04.1 TRT Barrel Supp				
			121.04.2 TRT Endcap Supp				
					121.04.21 TRT Type-A Supp	121.04.211 TRT Type-A Supp Sym.	
					121.04.22 TRT Type-B Supp	121.04.221 TRT Type-B Supp Sym.	
		121.05 LAr					
			121.05.1 LAr Barrel Cryostat				
			121.05.2 LAr Endcap Cryostat				
		121.06 Tile					
			121.06.1 Tile Barrel Feet		121.06.11 Tile Barrel Feet Sym.		
			121.06.2 Tile Barrel Extended Feet		121.06.21 Tile Barrel Extended Feet Sym.		
		121.07 Muon					
			121.07.1 Muon Barrel				
					121.07.11 BI Bracket	121.07.111 BI Bracket 1-16	
					121.07.12 BM Bracket	121.07.121 BM Bracket 1-16	
					121.07.13 BO Bracket	121.07.131 BO Bracket 1-16	
			121.07.2 Muon Endcap				
					121.07.21 EI supports	121.07.211 EI supports 1-16	121.07.211.1 EI supports Sym.
					121.07.22 EE supports	121.07.221 EE supports 1-16	121.07.221.1 EE supports Sym.
					121.07.23 EM supports	121.07.231 EM supports 1-16	121.07.231.1 EM supports Sym.
					121.07.24 EO supports	121.07.241 EO supports 1-16	121.07.241.1 EO supports Sym.
		121.08 BT Warm Structure	121.081 BT Warm Structure 1,3,7,9,11,13,15				
		121.09 Shielding					
			121.09.1 Disk Shielding				
		121.09.2 Forward Shielding					
				121.09.21 Supports Frame			
				121.09.22 HF Truck			

Level I	Level II	Level III	Level IV	Level V	Level VI	Level VII	Level VIII
				121.09.3	Nose Shielding		
		121.10	Beam Pipe Supports				
	122.	MB Access platforms					
		122.1	MBAP Sector 1/9	122.11	MBAP Sector 1/9 Sym.		
		122.2	MBAP Sector 3/7	122.21	MBAP Sector 3/7 Sym.		
		122.3	MBAP Sector 5				
		122.4	MBAP Sector 11/15	122.41	MBAP Sector 11/15 Sym.		
		122.5	MBAP Sector 13				
	123.	Muon Alignment					
		123.1	Barrel Alignment				
				123.11	In-plane		
				123.111	BI In-plane	123.111.1	BI In-plane 1-16
				123.112	BM In-plane	123.112.1	BM In-plane 1-16
				123.113	BO In-plane	123.113.1	BO In-plane 1-16
				123.111.11	BI In-plane Sym.	123.111.11	BI In-plane Sym.
				123.112.11	BM In-plane Sym.	123.112.11	BM In-plane Sym.
				123.113.11	BO In-plane Sym.	123.113.11	BO In-plane Sym.
				123.12	Praxial		
				123.121	BI Praxial	123.121.1	BI Praxial 1-16
				123.122	BM Praxial	123.122.1	BM Praxial 1-16
				123.123	BO Praxial	123.123.1	BO Praxial 1-16
				123.121.11	BI Praxial Sym.	123.121.11	BI Praxial Sym.
				123.122.11	BM Praxial Sym.	123.122.11	BM Praxial Sym.
				123.123.11	BO Praxial Sym.	123.123.11	BO Praxial Sym.
				123.13	Axial	123.131	Axial Sym.
				123.14	Projective	123.141	Projective Sym.
				123.15	Reference		
				123.151	BI Reference	123.151.1	BI Reference
				123.152	BM Reference	123.152.1	BM Reference
				123.153	BO Reference	123.153.1	BO Reference
				123.151.11	BI Reference Sym.	123.151.11	BI Reference Sym.
				123.152.11	BM Reference Sym.	123.152.11	BM Reference Sym.
				123.153.11	BO Reference Sym.	123.153.11	BO Reference Sym.
				123.16	CCC		
				123.161	BI CCC	123.161.1	BI CCC
				123.162	BM CCC	123.162.1	BM CCC
				123.163	BO CCC	123.163.1	BO CCC
				123.161.11	BI CCC Sym.	123.161.11	BI CCC Sym.
				123.162.11	BM CCC Sym.	123.162.11	BM CCC Sym.
				123.163.11	BO CCC Sym.	123.163.11	BO CCC Sym.
				123.17	BIR-BIM	123.171	BIR-BIM Sym.
		123.12	Endcap Alignment				
				123.21	In-plate		
				123.211	EI In-plate	123.211.1	EI In-plate
				123.212	EE In-plate	123.212.1	EE In-plate
				123.213	EM In-plate	123.213.1	EM In-plate
				123.214	EO In-plate	123.214.1	EO In-plate
				123.211.11	EI In-plate Sym.	123.211.11	EI In-plate Sym.
				123.212.11	EE In-plate Sym.	123.212.11	EE In-plate Sym.
				123.213.11	EM In-plate Sym.	123.213.11	EM In-plate Sym.
				123.214.11	EO In-plate Sym.	123.214.11	EO In-plate Sym.
				123.22	In-Bar		
				123.221	EI In-Bar	123.221.1	EI In-Bar
				123.222	EE In-Bar	123.222.1	EE In-Bar
				123.223	EM In-Bar	123.223.1	EM In-Bar
				123.224	EO In-Bar	123.224.1	EO In-Bar
				123.221.11	EI In-Bar Sym.	123.221.11	EI In-Bar Sym.
				123.222.11	EE In-Bar Sym.	123.222.11	EE In-Bar Sym.
				123.223.11	EM In-Bar Sym.	123.223.11	EM In-Bar Sym.
				123.224.11	EO In-Bar Sym.	123.224.11	EO In-Bar Sym.
				123.23	Radial		
				123.231	EI Radial	123.231.1	EI Radial
				123.232	EE Radial	123.232.1	EE Radial
				123.233	EM Radial	123.233.1	EM Radial
				123.234	EO Radial	123.234.1	EO Radial
				123.231.11	EI Radial Sym.	123.231.11	EI Radial Sym.
				123.232.11	EE Radial Sym.	123.232.11	EE Radial Sym.
				123.233.11	EM Radial Sym.	123.233.11	EM Radial Sym.
				123.234.11	EO Radial Sym.	123.234.11	EO Radial Sym.
				123.24	Polar	123.241	Polar Sym.
				123.25	Azimuthal		
				123.251	EI Azimuthal	123.251.1	EI Azimuthal
				123.252	EE Azimuthal	123.252.1	EE Azimuthal
				123.253	EM Azimuthal	123.253.1	EM Azimuthal
				123.251.11	EI Azimuthal Sym.	123.251.11	EI Azimuthal Sym.
				123.252.11	EE Azimuthal Sym.	123.252.11	EE Azimuthal Sym.
				123.253.11	EM Azimuthal Sym.	123.253.11	EM Azimuthal Sym.

Level I	Level II	Level III	Level IV	Level V	Level VI	Level VII	Level VIII
				123.26 Proximity	123.254 EO Azimuthal	123.254.1 EO Azimuthal	123.254.11 EO Azimuthal Sym.
				123.27 Saloon Door	123.261 Proximity	123.261.1 Proximity Sym.	
					123.271 EI Saloon Door	123.271.1 EI Saloon Door	123.271.11 EI Saloon Door Sym.
					123.272 EE Saloon Door	123.272.1 EE Saloon Door	123.272.11 EE Saloon Door Sym.
					123.273 EM Saloon Door	123.273.1 EM Saloon Door	123.273.11 EM Saloon Door Sym.
					123.274 EO Saloon Door	123.274.1 EO Saloon Door	123.274.11 EO Saloon Door Sym.
				123.28 3D Sensor	123.281 3D Sensor	123.281.1 3D Sensor Sym.	
13		131. Cables					
			131.1 Power Supply Cable				
				131.11 PSC in Sector 1			
				131.12 PSC in Sector 3			
				131.13 PSC in Sector 5			
				131.14 PSC in Sector 7			
				131.15 PSC in Sector 9			
				131.16 PSC in Sector 11			
				131.17 PSC in Sector 13			
				131.18 PSC in Sector 15			
			131.2 Data Transmission Cable				
				131.21 DTC in Sector 1			
				131.22 DTC in Sector 3			
				131.23 DTC in Sector 5			
				131.24 DTC in Sector 7			
				131.25 DTC in Sector 9			
				131.26 DTC in Sector 11			
				131.27 DTC in Sector 13			
				131.28 DTC in Sector 15			
		132. Patch Panels					
			132.1 Patch Panels 0/1	132.11 Patch Panels 0/1 Sym.			
			132.2 Patch Panels 2				
				132.21 PP2-1			
				132.22 PP2-2			
				132.23 PP2-3			
				132.24 PP2-4			
				132.25 PP2-5/PP2-6			
		133. Tubes and Pipes					
			133.1 Cooling system				
				133.11 Cooling in Sector 1			
				133.12 Cooling in Sector 3			
				133.13 Cooling in Sector 5			
				133.14 Cooling in Sector 7			
				133.15 Cooling in Sector 9			
				133.16 Cooling in Sector 11			
				133.17 Cooling in Sector 13			
				133.18 Cooling in Sector 15			
			133.2 Gas Distribution				
				133.21 Gas in Sector 1			
				133.22 Gas in Sector 3			
				133.23 Gas in Sector 5			
				133.24 Gas in Sector 7			

Level I	Level II	Level III	Level IV	Level V	Level VI	Level VII	Level VIII	
	Control System			133.25 Gas in Sector 9 133.26 Gas in Sector 11 133.27 Gas in Sector 13 133.28 Gas in Sector 15				
			133.3 Cryogenic System	133.31 Cryogenic in Sector 5 133.32 Cryogenic in Sector 13 133.33 Cryogenic in Sector 7				
		134. Service Supports						
			134.1 Service Supports Sec. 1					
			134.2 Service Supports Sec. 3					
			134.3 Service Supports Sec. 5					
			134.4 Service Supports Sec. 7					
			134.5 Service Supports Sec. 9					
			134.6 Service Supports Sec. 11					
			134.7 Service Supports Sec. 13					
			134.8 Service Supports Sec. 15					
		14	141. Cooling CS					
				141.1 Pixel Cooling CS				
				141.2 SCT Cooling CS				
				141.3 TRT Cooling CS				
			142. Detector Comp. CS					
			142.1 Magnet Field CS					
			142.2 Alignment CS					
			142.3 Position, Strain CS					
		143. Power supply CS						
	144. Temperature CS							
	145. Gas CS							
		145.1 TRT Gas CS						
		145.2 Muon Gas CS						
	146. Cryogenic CS							
		146.1 LAr Cryogenic CS						
		146.2 Magent Cryogenic CS						
2	21 Civil Engineering							
		211. UX15						
		212. US15/USA15						
	22 Surrounding Structure							
		221. HO						
			221.01 HO Level 1	221.01.1 HO Level 1 Sym.				
			221.02 HO Level 2	221.02.1 HO Level 2 Sym.				
			221.03 HO Level 3	221.03.1 HO Level 3 Sym.				
			221.04 HO Level 4	221.04.1 HO Level 4 Sym.				
			221.05 HO Level 5	221.05.1 HO Level 5 Sym.				
			221.06 HO Level 6	221.06.1 HO Level 6 Sym.				
			221.07 HO Level 7	221.07.1 HO Level 7 Sym.				
			221.08 HO Level 8	221.08.1 HO Level 8 Sym.				
			221.09 HO Level 9	221.09.1 HO Level 9 Sym.				
		221.10 HO Level 10	221.10.1 HO Level 10 Sym.					
		221.11 HO Level 11	221.11.1 HO Level 11 Sym.					
		221.12 HO Level 12	221.12.1 HO Level 12 Sym.					

Level I	Level II	Level III	Level IV	Level V	Level VI	Level VII	Level VIII	
Infrastructure		222 HS						
			222.01 HS Level 0					
			222.02 HS Level 1					
			222.03 HS Level 2					
			222.04 HS Level 3					
			222.05 HS Level 4					
			222.06 HS Level 5					
			222.07 HS Level 6					
			222.08 HS Level 7					
			222.09 HS Level 8					
		23 Cable and Pipe Distribution						
			231. Cables/Cable Trays					
			232. Cooling and Gas Pipes					
			233. Racks					
			234. Flaxible Chain					
				234.1 Toroid Magnet FC	234.11 Toroid Magnet FC Sym.			
				234.2 Muon EI FC	234.21 Muon EI FC Sym.			
				234.3 Calorimeter FC	234.31 Calorimeter FC Sym.			
		24 Air-conditioning						
		25 Cooling system						
		26 Gas system						
		27 Cryogenic system						
			271. Magent Cryogenic System					
				271.1 Magent Cryogenic System Level 0				
				271.2 Magent Cryogenic System Level 9				
			272. LAr Cryogenic System					
				272.1 LAr Cryogenic System Level 0				
			272.2 LAr Cryogenic System Level 5					
			272.3 LAr Cryogenic System Level 9					