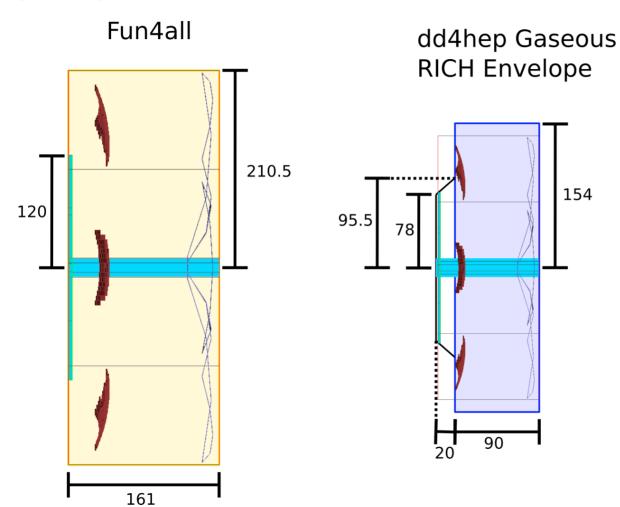
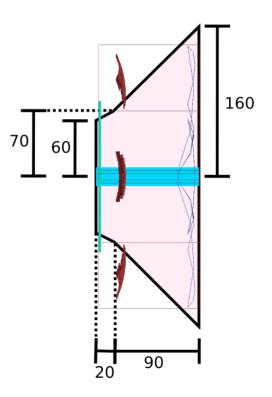
### dRICh Envelope

Christopher Dilks ATHENA PID meeting 11 July 2021 [units=cm]



Menagerie, 1.5T, DIRC LD readout

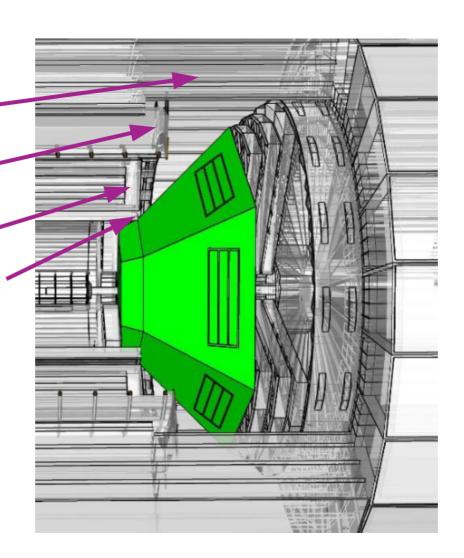


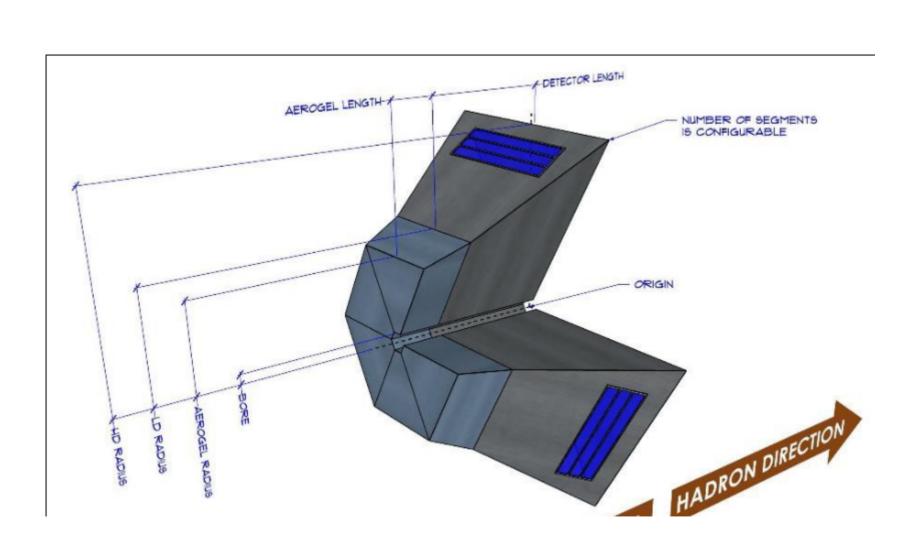
**HCAL** 

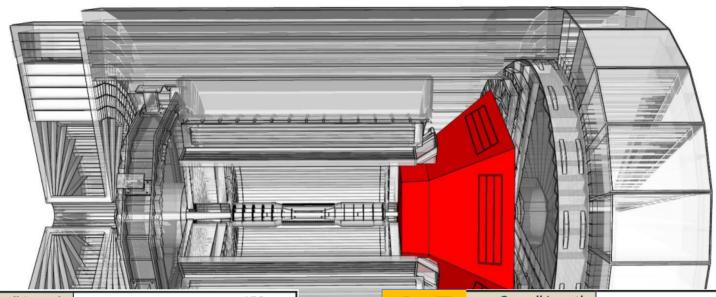
Solenoid

**ECAL** 

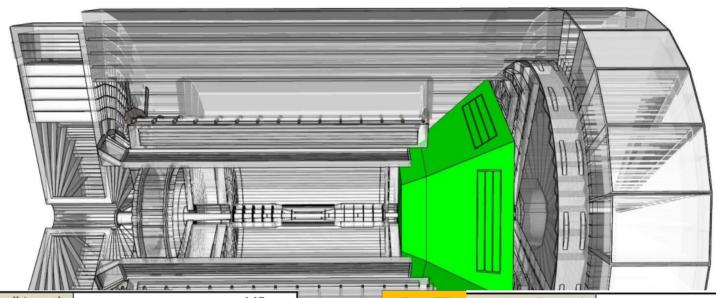
DIRC





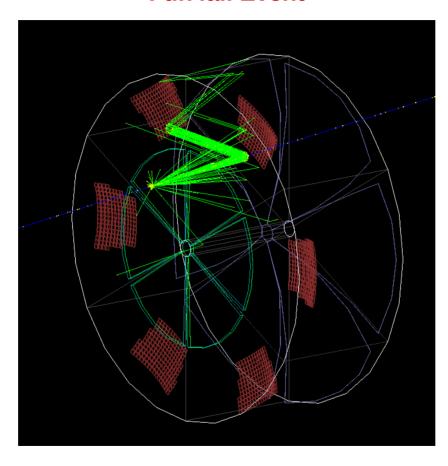


	/ // // // // // // //	# 1111111111111111111111111111111111111		- 10.4		
2	Overall Length	150 cm			Overall Length	80 cm
<b>9</b>	Aerogel Length	40 cm	_	L. <b>3</b>	Aerogel Length	20 cm
ESLA	Aerogel Radius	105 cm	T	ESLA	Aerogel Radius	75 cm
	Detector Length	110 cm			Detector Length	60 cm
Bore		10 cm		Bore HD Radius LD Radius Offset Segment Count		10 cm
E1 (Far) Radius E2 (Near) Radius Offset Segment Count		200 cm	ure 15: RICH Dete			160 cm
		110 cm				85 cm
		295 cm in Hadron Direction				260 cm in Hadron Direction
		6				6
	Total Volume	9.99 m³			Total Volume	3.32 m <sup>3</sup>
	3 ESLA	Overall Length Aerogel Length Aerogel Radius Detector Length Bore E1 (Far) Radius E2 (Near) Radius Offset Segment Count	Overall Length Aerogel Length  Aerogel Radius Detector Length  Bore E1 (Far) Radius 100 cm E2 (Near) Radius Offset Segment Count 150 cm 105 cm 100 cm 200 cm 200 cm 200 cm 200 cm	Overall Length Aerogel Length  Aerogel Radius Detector Length  Bore E1 (Far) Radius E2 (Near) Radius Offset Segment Count  150 cm 10 cm 10 cm 200 cm	Overall Length Aerogel Length 40 cm  Detector Length  Bore E1 (Far) Radius  100 cm  E2 (Near) Radius  Offset Segment Count  150 cm 40 cm 100 c	Overall Length150 cmOverall LengthAerogel Length40 cmTESLAAerogel Radius105 cmTESLADetector Length110 cmDetector LengthBore10 cmBoreE1 (Far) Radius200 cmHD RadiusE2 (Near) Radius110 cmLD RadiusOffset295 cm in Hadron DirectionVere 15: RICH DeteOffsetSegment CountSegment CountSegment Count

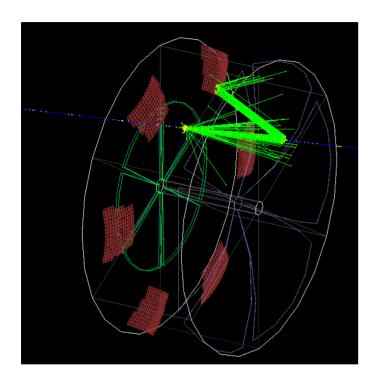


	2	Overall Length	145 cm			Overall Length	110 cm	
٠	•	Aerogel Length	35 cm	_	L.J	Aerogel Length	20 cm	
ΤE	SLA	Aerogel Radius	100 cm	T	ESLA	Aerogel Radius	60 cm	
T		Detector Length	110 cm			Detector Length	90 cm	
Bore		Bore	10 cm			Bore	10 cm	
HD Radius		HD Radius	220 cm		HD Radius  LD Radius  Offset  Segment Count  Total Volume		160 cm	
LD Radius		LD Radius	125 cm				70 cm	
Offset		Offset	290 cm in Hadron Direction	ure 26: RICH Dete			260 cm in Hadron Direction	
	Segment Count		6				6	
Total Volume		Total Volume	11.94 m³				4.20 m <sup>3</sup>	

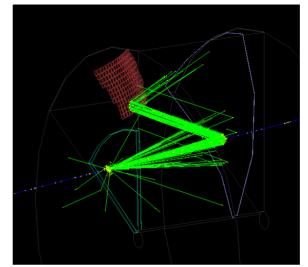
#### **Fun4all Event**

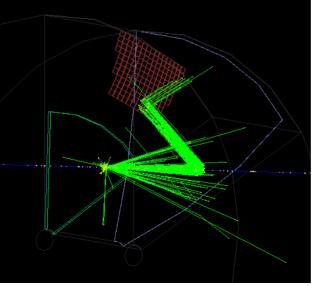


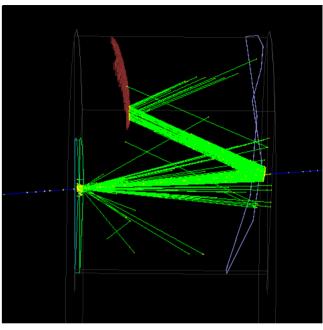
#### **More Pictures**



view from behind

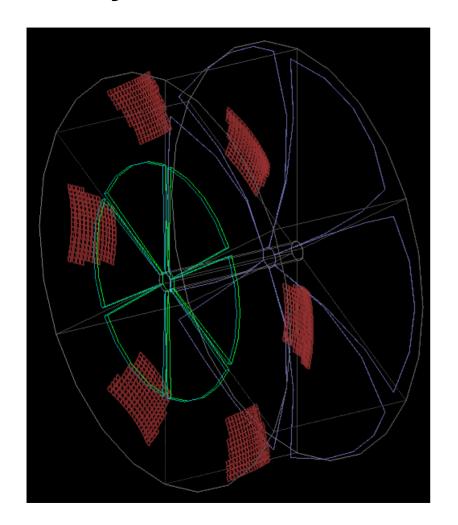


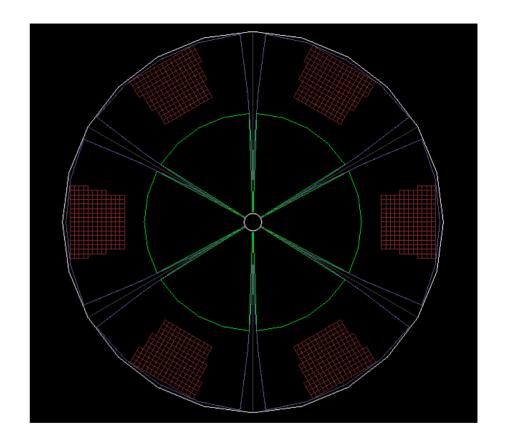




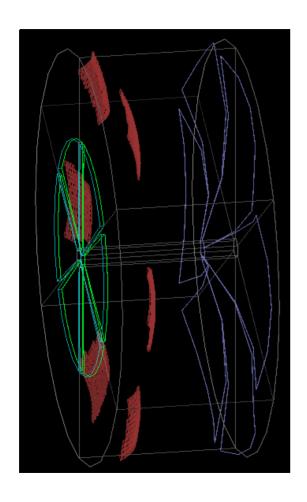
single petal views

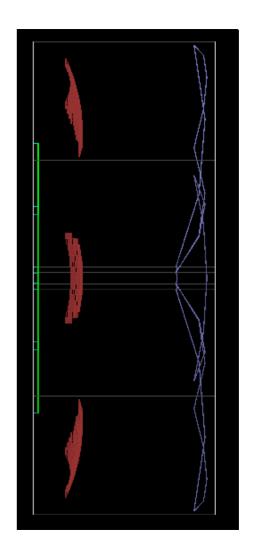
## **Geometry Pictures**





# **Geometry Pictures**





### **Geometry Notes**

#### **Volume Hierarchy**

