

## Rough Magnetic Field Mapping

	Left			Right				
	Position	Volt	Gauss		Position	Volt	Gauss	R-L %
Inner	0	1.716	3432	Inner	0	1.732	3464	0.9
	10	1.394	2788		10	1.423	2846	2.1
	20	0.953	1906		20	0.978	1956	2.6
	30	0.795	1590		30	0.819	1638	3.0
	40	0.893	1786		40	0.909	1818	1.8
	50	1.023	2046		50	1.036	2072	1.3
Outer	0	0.053	106	Outer	0	0.048	96	-9.9
	30	0.747	1494		30	0.738	1476	-1.2
	60	0.744	1488		60	0.714	1428	-4.1
	90	0.490	980		90	0.472	944	-3.7
	120	0.288	576		120	0.274	548	-5.0

Accuracy and repeatability better than 2%.

Measurements made in the median plane on the outer surface of the inner and outer WC covers.

Positions are in inches from the inner surface of the WC gas volume at 20 degree end.

Measurement is of the vertical magnetic field.

## Comparing Magnetic Field with Sub-Detector Open/Closed

	Open			Closed				
	Position	Volt	Gauss		Position	Volt	Gauss	O-C %
Frame	0	0.251	502	Frame	0	0.247	494	1.6
	20	0.271	542		20	0.295	590	-8.5
	40	0.241	482		40	0.245	490	-1.6
	60	0.250	500		60	0.287	574	-13.8
	80	0.199	398		80	0.226	452	-12.7
	100	0.198	396		100	0.217	434	-9.2
Strut	1	1.235	2470	Strut	1	1.235	2470	0.0
	2	1.236	2472		2	1.239	2478	-0.2
	3	1.200	2400		3	1.210	2420	-0.8
	4	1.210	2420		4	1.194	2388	1.3

Frame measurements are of the radial component of field on the coil support frame.

Frame position is in inches along the frame from the 90 degree point.

Frame measurements when closed are quite close to Cerenkov shielding for 40, 60, and 80.

Strut Measurements are of the azimuthal component of the field on the struts in the coil centre.

Strut position is counting from the 90 degree point and each side of the strut.