Beam Physics Parameter	rs	RF Cavity**	
Momentum	200 MeV/c	RF cell centre-to-centre distance	188.6 mm
Twiss beta function	107 mm	RF Gradient, E0	30 MV/m
Dispersion in x	38.5 mm	Iris radius	81.6 mm
Dispersion in y	20.3 mm	Number of RF cells	3
Beam pipe radius	81.6 mm	Frequency, f	0.704 GHz
· ·		Synchronous phase	20 degree
Design solenoid paramet	ters*	RF window thickness	0.1 mm
B0.5	0 T		
В0	8.75 T	Wedge	
B1	1.25 T	Material	Lithium Hydride
B2	0 T	Wedge opening angle	10 degree
Cooling Cell length	800 mm	Wedge thickness	20 mm
B0 tolerance	0.25 T	Wedge alignment	Horizontal
B1 tolerance	0.025 T		
B0.5 tolerance	0.02 T	Dipole	
B2 tolerance	0.5 T	Dipole length	100 mm
		Polarity	+ +
Simulated coil geometry		Field	0.2 T
Coil inner radius	250 mm	Dipole z centre position	160 mm
Coil length	140 mm	Dipole field direction	Vertical
Coil radial thickness	169.3 mm		
Coil z centre position	100.7 mm		
Current Density	500 A/mm^2		
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Cooling Cell Parameters

^{**} Field on axis in RF cavity defined by $E = E0 \sin(2 \text{ pi } t + \text{ phi})$; adjacent cavities have phi offset by 180 degrees