

TTC – HL crab cavities

CRYMODULE									
# CM	CM suspension type (tie-rods, support posts, strong-back etc.)	# CAV/CM	Exp. Residual field [μ T]	magnetic hygiene				Thermal shields T	Tuner maintenance port available
				fast cool-down (Y/N)	Temp. Rate across transition? [K/min]	mag. shield: # and type	active compensation (Y/N)?	# and T (K)	Y/N? How many?
DQW-SPS	FPC DW support	2	$< 1 \mu T$	N	-	2: cold+warm	N	1, 50-70K	warm actuator
RFD-SPS	FPC DW support	2	$< 1 \mu T$	N	-	2: cold+wram	N	1, 50-70K	warm actuator

TUNER						
which type (Blade, X-FEL, scissors, etc)?	motor type			Piezo		
	In vacuum (Y/N)?	Which supplier?	Replaceable in CM?	#piezo/tuner?	Which supplier?	Replaceable in CM?
crab type symmetric	Y	CERN	No	No	-	-
crab type symmetric	Y	CERN	No	No	-	-

FPC					
# FPC/CAV?	power [kW]		cooling (water, air, other)?	window coating (Y/N)?	how many vendors?
1	peak	average			
1	80 (1ms)	40	water	TiN	1