

Storage Ring RF System Turn-on Checklist

A. Nassiri

I. In-tunnel – sector 36

		Comments
<input type="checkbox"/>	Ion pumps are on	
<input type="checkbox"/>	Cavity water flow	
<input type="checkbox"/>	Tuner water flow	
<input type="checkbox"/>	Tuner motor drive	
<input type="checkbox"/>	Couplers water flow	
<input type="checkbox"/>	Couplers air blower	
<input type="checkbox"/>	Waveguide air pressure	
<input type="checkbox"/>	Thermocouples are connected	
<input type="checkbox"/>	Field probes are connected	
<input type="checkbox"/>	IR detectors are connected	
<input type="checkbox"/>	IR detector lead shield is in place	
<input type="checkbox"/>	Upstream lead shielding is in place	

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II. In-tunnel – sector 37		Comments
<input type="checkbox"/>	Ion pumps are on	
<input type="checkbox"/>	Cavity water flow	
<input type="checkbox"/>	Tuner water flow	
<input type="checkbox"/>	Tuner motor drive	
<input type="checkbox"/>	Coupler water flow	
<input type="checkbox"/>	Coupler air blower	
<input type="checkbox"/>	Waveguide air pressure	
<input type="checkbox"/>	Thermocouples are connected	
<input type="checkbox"/>	Field probes are connected	
<input type="checkbox"/>	IR detectors are connected	
<input type="checkbox"/>	IR detector lead shield is in place	

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III. In-tunnel – sector 38

		Comments
	Ion pumps are on	
	Cavity water flow	
	Tuner water flow	
	Tuner motor drive	
	Coupler water flow	
	Coupler air blower	
	Waveguide air pressure	
	Thermocouples are connected	
	Field probes are connected	
	IR detectors are connected	
	IR detector lead shield is in place	

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IV. In-tunnel – sector 40

		Comments
	Ion pumps are on	
	Cavity water flow	
	Tuner water flow	
	Tuner motor drive	
	Coupler water flow	
	Coupler air blower	
	Waveguide air pressure	
	Thermocouples are connected	
	Field probes are connected	
	IR detectors are connected	
	IR detector lead shield is in place	
	Downstream lead shielding is in place	

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V. 420 area – RF1

		Comments
	RF1 HV system is ready	
	RF1 Klystron is ready	
	RF1 machine interlocks are cleared	
	RF1 personal safety interlocks are cleared	
	RF1 ACIS interlock is cleared	
	Correct WG configuration mode is selected	
	RF1 system is operational	

VI. 420 area – RF2

		Comments
	RF2 HV system is ready	
	RF2 Klystron is ready	
	RF2 machine interlocks are cleared	
	RF2 personal safety interlocks are cleared	
	RF2 ACIS interlock is cleared	
	Correct WG configuration mode is selected	
	RF2 system is operational	

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VII. 420 area – RF3

		Comments
	RF3 HV system is ready	
	RF3 Klystron is ready	
	RF3 machine interlocks are cleared	
	RF3 personal safety interlocks are cleared	
	RF3 ACIS interlock is cleared	
	Correct WG configuration mode is selected	
	RF3 system is operational	

VIII. 420 area – RF4

		Comments
	RF4 HV system is ready	
	RF4 Klystron is ready	
	RF34machine interlocks are cleared	
	RF4 personal safety interlocks are cleared	
	RF4 ACIS interlock is cleared	
	Correct WG configuration mode is selected	
	RF4 system is operational	

Inspected by: _____ Date: _____