

Target Module Connection and Disconnection Procedure		
Document-141576	Release No. 2	Release Date: 2018-02-21

7 Module Disconnection Checklist

SEQ	ITEM	NOTE	CHECK
Safety	Acknowledge and Activate Work Permit	Call RIB operators (ext. 7500) Call Main Control Room to notify of water shut-off (ext. 7333)	✓
Safety	<ul style="list-style-type: none"> Electronic dosimeter Tank Suit Respirator Overshoes Gloves(double) Safety Glasses / Full Face Respirator 	Remove and replace overshoes when exiting the pit to reduce risk of spreading contamination.	
Safety	Check the General Field of ITW/ ITE	RAM or pole monitor ($\leq 500 \mu\text{Sv/h}$) ²	
Prep	Check Tools: <ul style="list-style-type: none"> Hex keys (3/16" & 3/8") Wrenches (two 1/2") Side Cutter Wipes 10" Cable Ties Aluminum Foil 	Aluminum foil: Four folded square pieces IG1 off	✓ ✓ ✓
1	Switch off: <ul style="list-style-type: none"> Heaters, Coil Bias, Einzel Lens, Anode EE Turbo Pumps Ion gauges 	Check or confirm with ISAC operators TPI TP2 off	✓ ✓
2	Two HV Cover Keys	Electrical room	
3	High Active Cooling Water	Close valves for water supply and return	
4	HV Cover and HV Fence on Module Top	Use grounding rod Limit switches and signal cable plugs	
5	Compressed Air	Release QC Release air cylinder back pressure	✓
6	Shutter	Pull up bellows. Strap tie air cylinder	
7	Gas Line	FEBIAD Target only Close two manual valves (station and module)	
8	52 Pin Connector (H)	Disconnect grounding wire from 60 kV bias	
9	Extraction Electrode (I)		
10	Einzel Lens (Y)		

² Ref Dose Estimate Form, Document-19905

