

4.2 ^{TM2} ~~TM3/4~~ SIS with Target and No External Connections

Shunts installed and tightened E-F-G-H-T-J-RFQ(H)	—
FEBIAD coil shunts <u>installed</u> and tightened P-Q-R-U	—

Ohm Meter Check					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coil (U, Q)					
Anode (H)					
60kV Common (T)	∅ Infinite	OL Infinite			
Chassis	OL Infinite	OL Infinite			
EE (I)	OL Infinite	OL Infinite	OL Infinite	OL Infinite	
Einzel Lens (Y)	OL Infinite				

Megger Check (all @ 500V unless otherwise noted)					
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Anode (H)					
60kV Common (T)	∅ Infinite	OL Infinite			
Chassis	220.5M Infinite @ 1000V	217.9M Infinite @ 1000V			
EE (I)	160.5M Infinite	OL Infinite	160.6M Infinite	188M Infinite	
Einzel Lens (Y)	OL Infinite				

Einzel + Chassis → 1.788G

Conductance Check [mΩ]						
A - B	A - C	A - D	B - C	B - D	C - D	
10.419	9.704	8.567	7.295	6.185	5.399	
4 - 5.7	5 - 6.8	4 - 5.3	5 - 6.8	4 - 5.3	4 - 5.5	

Backg. leak rate:	HS leak rate:
[atm-cc/s] < 5E-9	[atm-cc/s] < Backg. leak rate

Target: ZrC # 8	Date: September 30 2019
Location: SHC CS (SHCpost)	Signature: T. CAVE