

TM2 @ SHC

~~first~~ measurement when target is first installed

TM2/3/4 SIS with Target and No External Connections

	Ohm Meter Check								
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)				
Magnet Coil (U, Q)									
Anode (H)									
60kV Common (T)						0 Infinite	OL Infinite		
Chassis						OL Infinite	OL Infinite	OL Infinite	
EE (I)						OL Infinite	OL Infinite	OL Infinite	OL Infinite
Einzel Lens (Y)						Infinite			

	Megger Check (all @ 500V unless otherwise noted)								
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)				
Anode (H)									
60kV Common (T)						0 @250V under vacuum only	OL Infinite		
Chassis						677M Infinite @ 1000V	OL Infinite @ 1000V	666M Infinite	
EE (I)						OL Infinite	OL Infinite	OL Infinite	OL Infinite
Einzel Lens (Y)						OL Infinite			

Conductance Check [mΩ]					
A-B	A-C	A-D	B-C	B-D	C-D
9.989	6.874	6.139	9.059	9.807	5.903
4-5.7	5-6.8	4-5.3	5-6.8	4-5.3	4-5.5

Backg. leak rate:	0.0×10^{-9}	HS leak rate:	0.0×10^{-9}
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target:	Ta* 68	Date:	2024-10-07
Location:	HC CS HCpost	Signature:	

TM2 @ SHC

~~second~~ measurement after target out and reinstallation.

TM2/3/4 SIS with Target and No External Connections

	Ohm Meter Check				
	Target (ABCD)	Einzel Lens (Y)	60kV Com (T)	Chassis	EE (I)
Magnet Coil (U, Q)					
Anode (H)					
60kV Common (T)	OL	OL			
	Infinite	Infinite			
Chassis	OL	OL	OL		
	Infinite	Infinite	Infinite		
EE (I)	OL	OL	OL	OL	
	Infinite	Infinite	Infinite	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)					
Chassis	10.5M	OL			
	@250V under vacuum only	Infinite			
EE (I)	944M	OL	973		
	Infinite @ 1000V	Infinite @ 1000V	Infinite		
Einzel Lens (Y)	OL				
	Infinite				

Conductance Check [mΩ]					
A-B	A-C	A-D	B-C	B-D	C-D
8.633	6.589	5.794	7.602	8.357	5.480
4-5.7	5-6.8	4-5.3	5-6.8	4-5.3	4-5.5

Backg. leak rate:	0.0×10^{-9}	HS leak rate:	0.0×10^{-9}
[atm-cc/s]	< 5E-9	[atm-cc/s]	< Backg. leak rate

Target: Ta # 68	Date: 2024-10-07
Location: SHC CS HCpost	Signature: [Signature]