

TM3

4.1 ~~TM4~~ FEBIAD with Target and No External Connections

| | |
|---|--|
| Shunts installed and tightened E-F-G-H-T-J-RFQ(H) | |
| FEBIAD coil shunts removed P-Q-R-U | |

Done with
Mill. Ohm meter
READING
1.122 kΩ

| | Ohm Meter Check | | | | |
|-----------------------|-----------------|-----------------|--------------|----------|----------|
| | Target (ABCD) | Einzel Lens (Y) | 60kV Com (T) | Chassis | EE (I) |
| Magnet Coil (U, Q) | OL | OL | OL | OL | OL |
| | Infinite | Infinite | Infinite | Infinite | Infinite |
| Anode (H) | OL | OL | OL | OL | OL |
| | Infinite | Infinite | Infinite | Infinite | Infinite |
| 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
MAG. COIL
TO 60 KV
SHORTED
@ 250V

| | Megger Check (all @ 500V unless otherwise noted) | | | | |
|--------------------|--|------------------|--------------|----------|----------|
| | Target (ABCD) | Einzel Lens (Y) | 60kV Com (T) | Chassis | EE (I) |
| Anode (H) | OL | OL | OL | OL | OL |
| | Infinite | Infinite | Infinite | Infinite | Infinite |
| 60kV Common (T) | 37.8M | OL | | | |
| | Infinite | Infinite | | | |
| Chassis | OL | OL | OL | | |
| | Infinite @ 1000V | Infinite @ 1000V | Infinite | | |
| EE (I) | OL | OL | OL | OL | |
| | Infinite | Infinite | Infinite | Infinite | |
| Einzel Lens (Y) | OL | | | | |
| | Infinite | | | | |

| Conductance Check [mΩ] | | | | | | |
|------------------------|-------|-------|-------|-------|-------|-------|
| A - B | A - C | A - D | B - C | B - D | C - D | Q-U |
| 5.365 | 5.272 | 4.519 | 5.247 | 4.493 | 4.350 | 5.274 |
| < 5.7 | < 6.8 | < 5.3 | < 6.8 | < 5.3 | < 5.5 | < 5 |

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

| | |
|-----------------------------------|-------------------------|
| Target: <i>Ni2 #2</i> | Date: <i>Oct 1 2013</i> |
| Location: SHC <i>(CS)</i> SHCpost | Signature: <i>FLAUF</i> |