



Status of HGB4-2 at HIP

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Full Check list of HGB4-2 after test beam at GSI

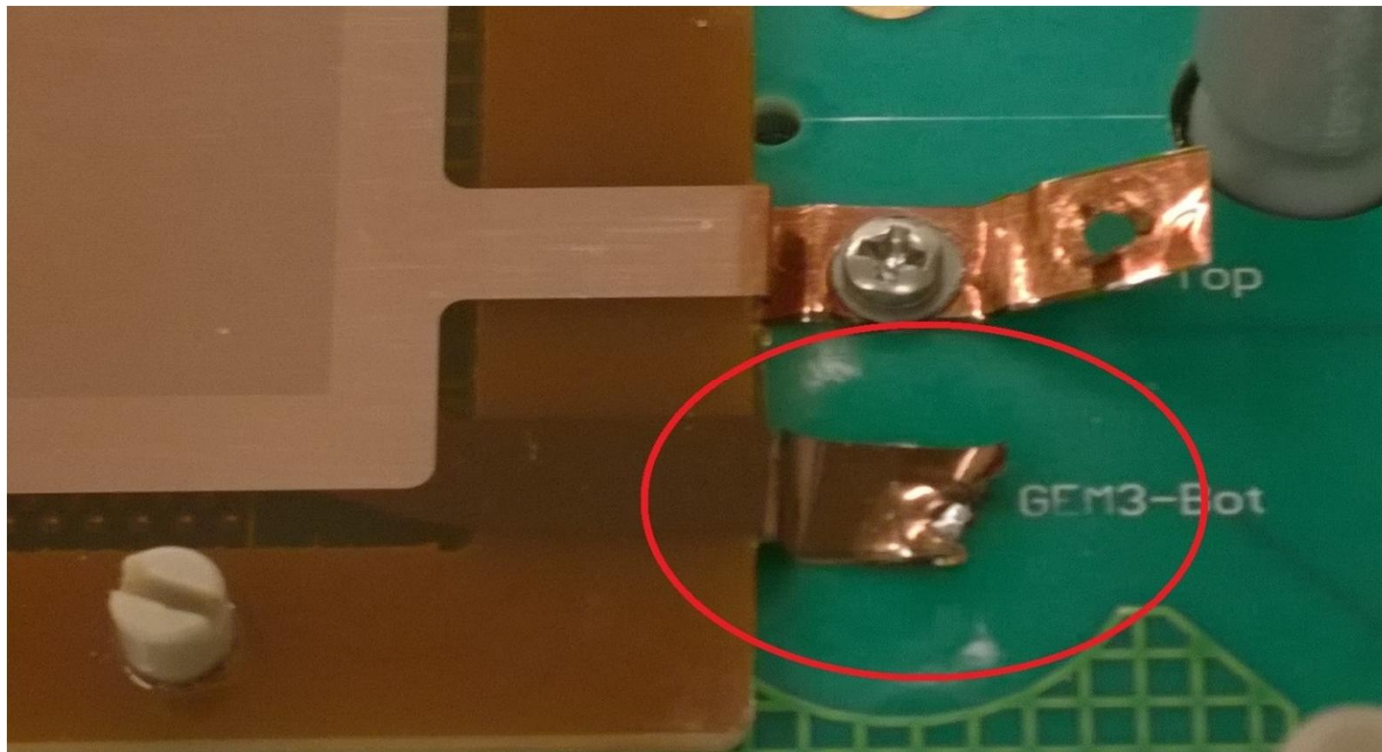
CHECKLIST:

- | | |
|---|---------------------------------------|
| 1. Visual inspection after shipment | → No mechanical damages |
| 2. Visual inspection of inside box | → No signs from sparks |
| 3. Visual inspection of the Fieldcage foils | → No sparks/coloration |
| 4. Visual inspection of the GEM foils | → No large sparks signs |
| 5. Visual inspection of readout strip plane | → No signs of sparks/precipitations |
| 6. Visual inspection of the Screening foil | → No signs of sparks/coloration |
| 7. Electrical test of the GEM foils | → Leakage current under nominal value |

Full Check list of HGB4-2 after test beam at GSI

ACTIONS:

1. Correction of the none equalization of the GEM stacks operation (see below a picture)
2. Assembling back
3. Flushing
4. ISEG module shipped for reparation (next week will come some feedback)



Status of STANDALONE MBS

CHECKLIST:

1. Second USB-ETHERNET (initial one was missed) → Installed and configured
2. Pexor card installed (one SFP) → To the Desktop computer
3. Trixor card installed → To the Desktop computer
4. Exploder card/box (sent to GSI for upgrade) → Task difficult and now is damaged
5. TAMEX card ready → Pending for payment
 - Tamex2: ~ 800,00 €
 - Tamex_padix_ad1: ~ 600,00 €
 - Small Tamex backplane: gift from EE: ~ 0,00 €
 - Crate interface: ~ 300,00 €
 - Total: ~ 1700,00 €

ION BEACKFLOW SETUP

CHECKLIST:

- | | |
|---|--------------------------------------|
| 1. High Voltage power suppliers | → Already configured |
| 2. Software fully operational | → Interlocks work as expected |
| 3. Path adapter box (Redel to SHV) | → In Preparation by Pirkitta Koponen |
| 4. Test Bech #2 with triple GEM | → Ready to use |
| 5. High voltage resistor (offset current) | → Pending for purchase |
| 6. Express card to serial | → Pending for purchase |
| 7. Metallic box procurament | → Detector Lab. will supply |
| 8. SHV connectors (6 connectors) | → Detector Lab. will supply |

PENDING TASKS

1. Bring MBS server to GSI for configuration/checks
2. Procurements of high thermal stability/low capacitance resistors for feedback loop of preAmplifiers
3. Test HGB4-2 after arrival of the High Voltage power supply
4. Set up and running HGB4-1 at GSI
5. Recover two GEM foils from GSI
6. Framing of new GEMs