BI status

BI AWAKE team

22nd AWAKE Run 2 mtg, 30 July 2020
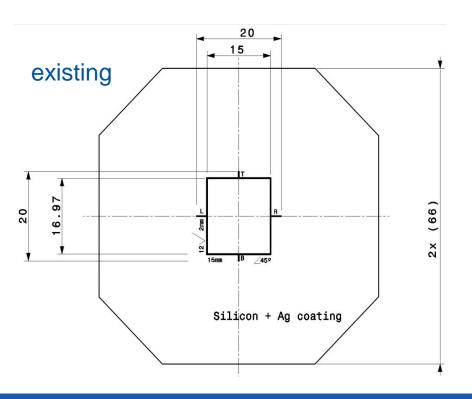
Main BI work for run 2a

- new eBPMs (see presentation of E. Senes)

- YAG screen replacement
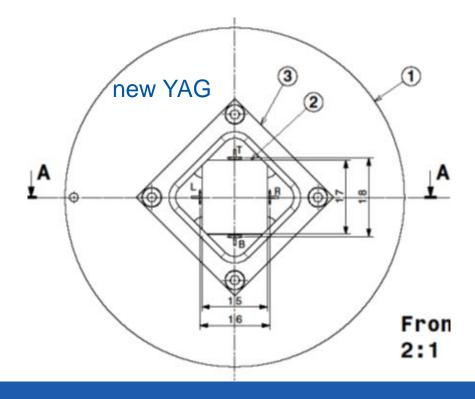
- digital camera upgrade (A. Topaloudis, S. Jackson)

- stepper motor FESA class upgrade – completed

- additional stepper motor controls – in progress

YAG screen replacement

- Chromox screens in BTVs 350 and 353 replaced with YAGs.
- Size and markings are equivalent but markings will not be on screen but on holder (gold markings on dark copper coating)

existing

new YAG

YAG screen replacement

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- Size and markings are equivalent but markings will not be on screen but on holder (gold markings on dark copper coating)

- Holder and plate machined, will be sent to chem lab by end of week. Parts ready by end of August

- YAG sent to laser cutting.

- Installation dates? BI team not available in September. Two weeks needed. Vacuum team must also be involved.

Digital camera upgrade

- Server developed but not yet released (will be done shortly)

- Burst mode implemented

- Extraction image tagging implemented but not yet tested (needs coordination with OP to have the appropriate cycles in the super cycle to be able to test and measure the delays before committing to the solution implemented)

- fitting of beam profile to be implemented (test image is in place)

- HW: will need to move Ethernet switch from starpoint (TSG4) to streak room (TSG41).