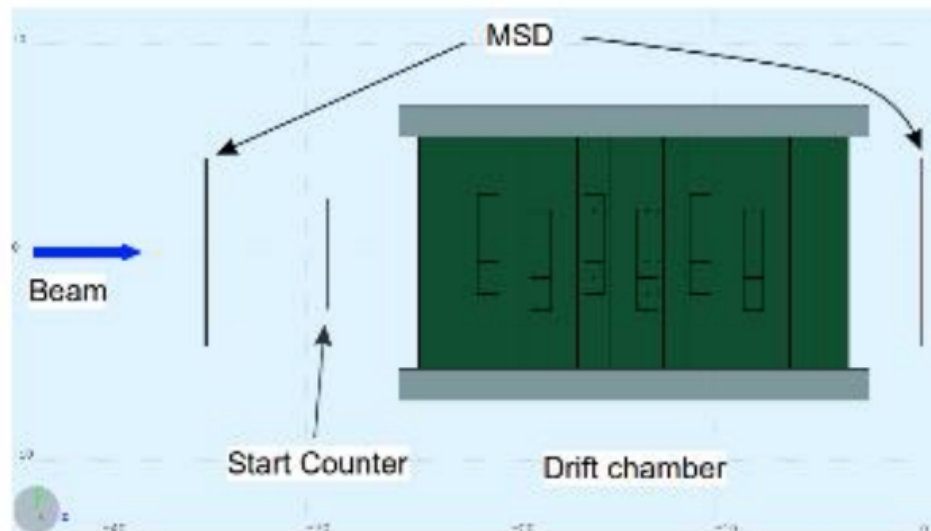


Beam Monitor status

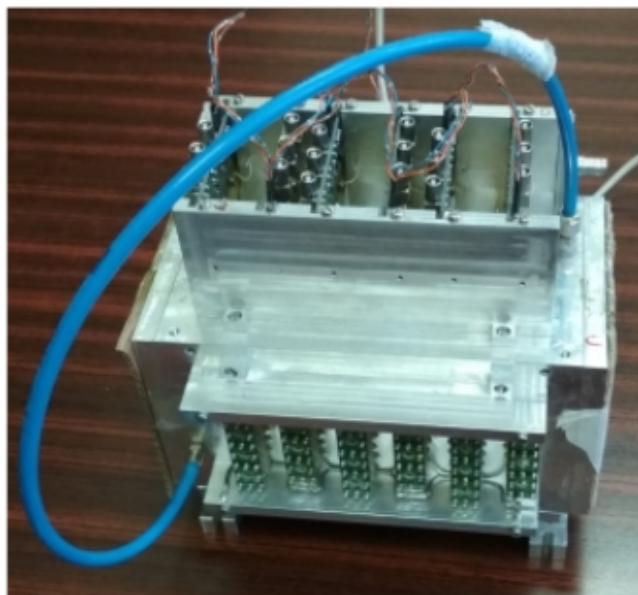
BM calibration test at TIFPA in July (Trento) **APPROVED**

- 15 hours of beam time = 5 working days.
- Efficiency measurements, space-time relations calibration, performance measurements, FOOT DAQ test?
- Milano, Trento, Perugia, Roma, Bologna (?)
- Beam Monitor + start counter + Microstrip detectors.
- BM calibration Skype meeting: 10/5 14.30



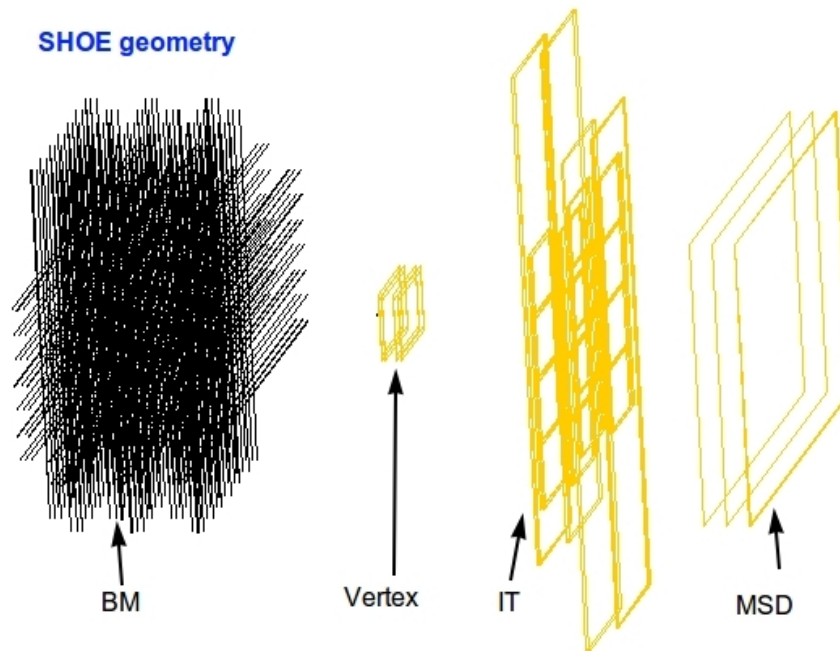
To do list

- **Gas system:** we ordered all the necessary for a gas distribution system with a bottle of Ar/CO₂ at 80/20% (should arrive soon).
- **BM test with the gas self-contained:** since at TIFPA, CNAO and other Hadrontherapy center is forbidden to use gas bottles or flux system inside the irradiation room, we must test the BM with the gas fully contained in the detector in order to estimate the feasibility of the experiment before it's realization at TIFPA.



To do list

SHOE/TABMbase update: last update of the BM reconstruction software package was in April/2017 (SHOE did not exist yet), now we need to update the software and create a dedicated BM calibration tools (SHOE/BM_calibration branch).



- **Acquisition software:** we need to develop an acquisition software that include the BM, the ST and the Microstrip detector.