

INFN GEM STATUS

08/Jan/2020

E.C for the INFN GEM group

Where we are

- **Stable behaviour** of the 4 GEM chambers confirmed in Nov/Dec (probably also thanks to continuous gas flushing); module M23 works fine
 - continue gas flushing
- Annoying **DAQ/Electronics problem** (Paolo had no chance to look at it during his visit); most likely a faulty MPD or some bug in the DAQ → need to move to latest CODA version as soon as possible
- Modification of **BigBite GEM Frame** is under finalization (thanks to Todd, Robin, Bogdan ...):
 - the single GEM chamber can be pulled out halfway for maintainance
 - not completely finalized how to remove/install the chamber in BB frame.
 - need to coordinate with JLab to finalize update
- **Recovering GEM foils:** we re-checked one old quality-rejected GEM foil with one sector with low resistance. We left the foil in flushing nitrogen for more than 1 day. The faulty sector passed the new QA tests.
 - continue to re-check all rejected foils and try cleaning bad one with ultrasound bathing