

Data-taking @ CNAO status report

The run coordinators

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COVID situation

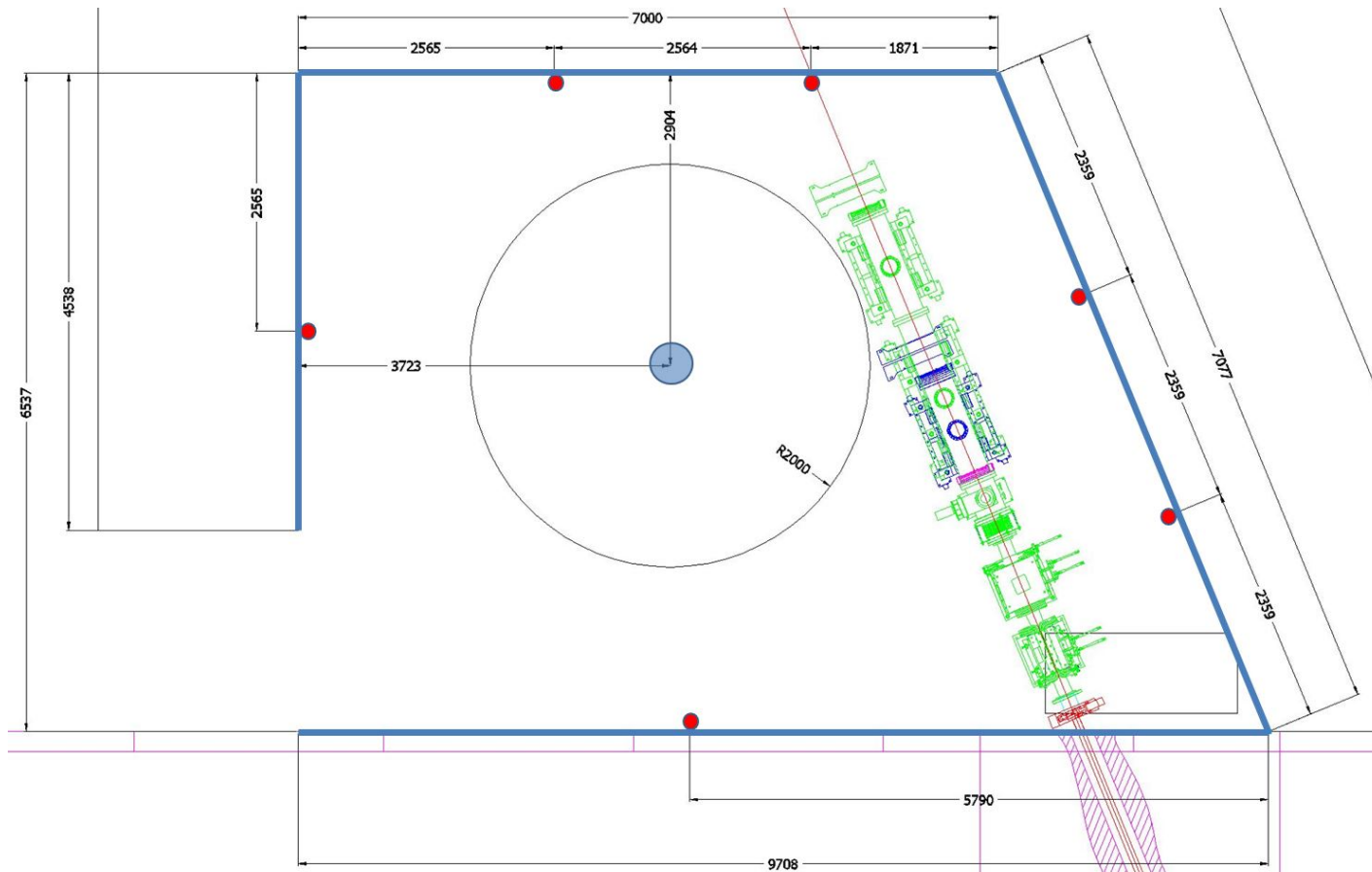


- From the end of October CNAO has announced that **all the non-health related activities are stopped** (until an unknown date)
- Looking at the rapidly evolving italian situation, unfortunately there **are not the conditions** to carry on the data-taking @ CNAO in the next December.
- As discussed by the IB, a possible realistic scenario foresees a first test in **March 2021**, mainly focused on detectors calibration and trigger test, followed by a data-taking in **September 2021** (hopefully with the magnet), mainly focused on physics measurements.
- However, all the activities needed for the data-taking organization (burocracy and technical stuff) will continue.

Technical information



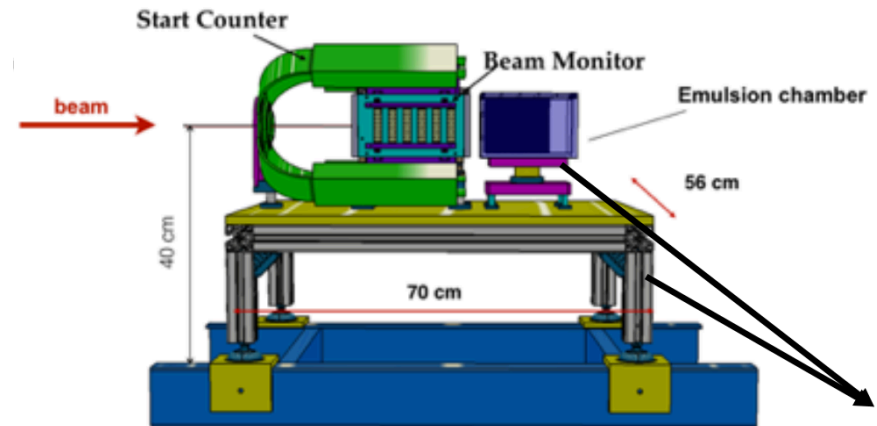
- We have collected all the technical information (detectors mechanical supports size, power absorption) needed to plan the FOOT apparatus integration in the CNAO experimental room



Emulsion run



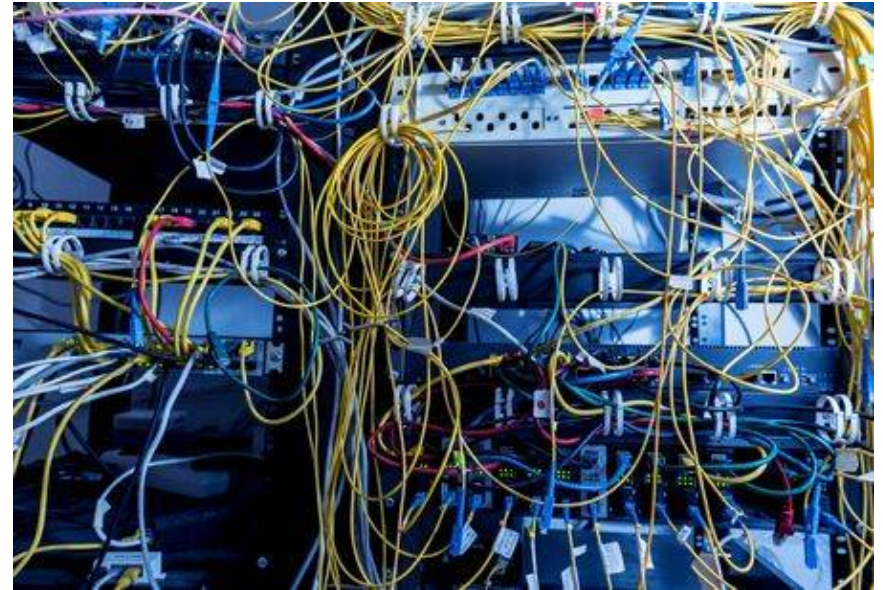
- We had a meeting with Marco Donetti to check the possibility to stop the beam when a certain number of particles has been counted by the ST.
- The answer is **yes**. We can gate the beam delivery using a proper signal, that has to be connected in a panel placed in the control room.



Network



- We had a meeting with the CNAO IT responsible and the DAQ group to discuss the aspects related to the network access.
- An access to the external network outside CNAO will be setup in the exp. room to allow the copy of the collected data from the DAQ workstation on the TIER3 server.
- The wi-fi network is already present and the use of the common software for communication (zoom, meet ecc) will be guaranteed.



To be done



- We are continuing to prepare the documents needed for the access @ CNAO. We will circulate the updated templates in the next future.
- The next meeting to be scheduled will be focused on:
 - Trigger (strategy to test in the spring data-taking)
 - Neutrons setup
 - Physics (discussion of a possible physics run time schedule on the base of the # of ions needed to perform the measurement and DAQ rate)

A possible proposal for 2021



- 1) CNAO: a calibration dedicated run could be envisaged in spring
- 2) In July we have been assigned a couple of ^{16}O shifts at GSI
- 3) We could schedule a full run at CNAO in September. At that time there could be a chance to have also Magnets and ITR