



X FOOT Collaboration Meeting

24-26th may 2021

Introductory Remarks

Are we at the end of the tunnel??

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pixers





Slowly moving ... but moving



- Data taking: We have in July GSI beam time with Oxygen. CNAO beam time seems possible again! The vaccine helps a lot.
- New pieces of electronic detector are coming, in particular Calo & MSD, even with the COVID landscape.
- Magnet saga: to be continued... frequent contacts with the company to have a final design of the magnet mechanics
- Some rotation in the responsibilities is on-going: spokesperson (congrats Mauro!), deputy spokesperson, chair Editorial Board, maybe more





Data taking

We have the problem to find beam time. No major problems to have beam from CNAO (I hope). Some further opportunities will be at GSI in the future, but in 2023 and with unknown beam.

- Not so likely to have beam time from ESA any more.
- No news from HIT-> unlikely to have beam there.
- He/O beams at CNAO in the future?

Beam/ Setup	Emulsion	TOF/DEDX	TOF/DEDX/ CALO	TOF/DEDX/ CALO/MAG NET
12C	GSI 2020	 	CNAO 2021?	Cnao 2022?
16O	GSI 2019	GSI 2019	GSI 2021	?
4He	?	?	?	?



Some pics from a larger landscape



- Neutrons are more and more on the table for FOOT and my educated guess is that INFN would like to exploit the FOOT detector as much as possible. The endorsement of a FOOT neutron program is not a dream
- PRIN : the conflict of interests regulation adopted by MUR prevent any scientist associated to INFN to revise any project with INFN inside: no way to find referees!! The PRIN coordinators are going crazy and the results (my guess) will be unpredictable
- New physics items could be actively searched: the opportunity pointed out by Piergiorgio to explore the fragmentation related to nanoparticles is intriguing and must be investigated.



Have a fruitful meeting!!



The next 6 months will be crucial for our experiment... we have to reach out of the tunnel!!

Please keep the schedule in your talks!!!

