



IX FOOT Collaboration Meeting

9-11 December 2020

Introductory Remarks

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Main topics...



- Data taking: of course we depend on the pandemic. We have in July GSI beam time with Oxygen. CNAO beam time to be scheduled.....
- FOOT honeymoon with INFN/CSN£ is not over. Now we have two CSN3 coordinators (congratulations to Giusy Bisogni and Maria Cristina Morone!!). Funding assigned to FOOT in 2021 quite ok!
- Electronic detector still slowly growing up, even with the COVID landscape. Update from many items (Calo, IT, MSD, magnet), but tests are difficult
- Software and analysis development is really impressive, maybe boosted by pandemic.





beam times... like hibernation



We have been given mission money, but we can only hope in vaccine effect.



Beam time assigned on July 2021 at GSI: two shifts (16 hours) of oxygen beam. A sound forecast is that travel will be allowed again. Is VERY important to make the most out of that beam time

CNAO data taking postponed: it could be a must to have also a short beam time as soon as possible, to prepare GSI data taking. Long and production data taking -> late 2021 or 2022?





INFN funding 2021

As far as I can understand the CSN3 was very kind with us (ask Cristina and Giusy for more info!).

It should be enough to let us work with no major problems

Sez. & Suf.	MISS			CON			ALTRICONS			TRA			SEM			PUB			MAN			INV			LIC-SW			APP			SPSERVIZI			TOTALE				
		Sj	Dot.	Ant.		Sj	Dot.	Ant.		Sj	Dot.	Ant.		Sj	Dot.	Ant.		Sj	Dot.	Ant.		Sj	Dot.	Ant.		Sj	Dot.	Ant.		Sj	Dot.	Ant.		Sj	Dot.	Ant.		
BO	26.5	12		4.0							4												5.0													35.5	16	
	16.5	3.5		2.5							2.0												5.0													24.0	5.5	0
LNF	11.0	2.5		6.0							2.0												1.0				32.0					52	2.5					
	8.5	1.5		5.0							1.5												1.0				17.0	15.0							33.0	16.5	0	
MI	23.5	9		1.0																												24.5	9					
	10.0	3.0		1.0																												11.0	3.0	0				
NA	17.5	7.5		8.5																			11.5									37.5	7.5					
	12.0	3.5		4.5																			0.0	11.5								16.5	15.0	0				
PG	25.5	4.5		4.0																							12					29.5	16.5					
	15.0	3.0		2.5																							5.0					17.5	8.0	0				
PI	17.5	9		5.0							2.0	4																					24.5	13				
	10.0	3.0		2.5							1.0	2.0																					13.5	5.0	0			
RM1	18.5	12		3.5																												22	12					
	14.0	11.5		3.5																												17.5	11.5	0				
RM2	4.5	3																														4.5	3					
	3.5	1.0																														3.5	1.0	0				
TIFPA	10.0	6		2.5							1.0		0.5		0.5								4.0									18.5	6					
	8.5	2.0		2.5							0.5	0.5		0.0		0.0								4.0									15.5	2.5	0			
TO	33.5			19.0																			86.0				10.0					148.5						
	19.5	3.0		3.0	13.5																		0.0				19.0					41.5	16.5	0				
TOTALE	188	65.5		53.5							5	8		0.5		0.5								107.5				42	12			397	85.5					
	253.5			53.5			0			13			0.5			0.5			0			107.5			0			54			0			482.5				
	117.5	35	0	0	27	13.5	0	0				3	4.5	0	0	0	0	0	0	0	0	0	0	10	11.5	0	0				36	20	0	0	193.5	84.5	0.0	0.0
	152.5			40.5			0.0			7.5			0.0			0.0			0.0			21.5			0.0			56.0			0.0			278.0				



Slowly moving... a bit like lethargy



- Neutrons are just beyond the horizon: our time landscape can go well beyond the 2022 if neutron data taking can be undertaken (educated guess: INFN would like to exploit the FOOT detector as much as possible)
- PRIN : is an opportunity to explore a possible continuation (see neutron item)
- Congrats to Luca Galli (new Trigger coordinator) and Alessio Sarti (already software coordinator) that substitute A. Sciubba for Roma 1 in the Institution Board
- “Congrats” also to Maria Cristina Montesi, Graziano Bruni, and Francesco Tommasino to be appointed in the Magnet Bid (thanks!)
- Last comment: the meeting has very busy schedule !!!



Have a nice meeting, and please... keep the schedule!!



Animals that wake up from lethargy are hungry and eager to go out and live : be ready to go out and do physics!!





Highlights



- Completed the ESA data taking in February with emulsions. Analysis is improving, but we are waiting for quick result publication
- Several beam times are in fact planned for us: CNAO, GSI, HIT. The season of the test beam is almost over, we are going to deal with the main data takings...
- The new magnet is almost ready, we will have some details from Alessandro Moggi (thanks again!).
- Our scientific production is now starting.. Some papers are already published, others are to come. More info from Maurizio
- A significant part of the electronic detector is still to be finalized, and some subdetectors are now in the critical path.

LAST Meeting (June) Highlights

