



JUNO @RomaTre

Talk Outline

- Main Activities
- Group Composition




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JUNO Italia

27/03/23

Group composition

Current situation (2023)

SEDE	NOMINATIVO	TIPO	CONTRATTO	QUALIFICA	RICERCATORI	TECNOLOGI		
RM3	Budano Antonio	DIP	Tecnologo	Primo Tecnologo		30		
	Fabbri Andrea	DIP	Tecnologo	Tecnologo		40		
	Mari Stefano Maria	ASSOC	Incarico di Ricerca scientif...	Prof. Ordinario	60			
	Orestano Domizia	ASSOC	Incarico di Ricerca scientif...	Prof. Ordinario	20			
	Petrucci Fabrizio	ASSOC	Incarico di Ricerca scientif...	Prof. Associato	40			
	Stanescu Farilla Elia	 ASSOC	Dottorando			100		
	Venettacci Carlo	ASSOC	Tecnologica Ricercatori/Prof...	Ricercatore A Temp...	40			
					2.6 fte	5 pers.	0.7 fte	2 pers.
					3.30 fte / 7 pers. (media 0.47)			

RM3 (7 PERSONE - 3.3 FTE)

+ 1 technician from University (Salvatore Loffredo)

- Drop in the last few years (for example 10 people with 5.7 FTE in 2021)
 - In particular we lost younger collaborators (PhDs, Post-Docs, ...)
- larger impact on analysis and offline

Main group activities (JUNO-TAO)

We have a leading role in the JUNO-TAO project:

- Project coordination, SiPM R&D, FE electronics, Read-out, Trigger, DAQ, Offline (S. Mari, A. Fabbri L3 electronics, F. Petrucci L3 TDAQ)
- Dedicated session in the afternoon with status and details of our latest developments.

Missing in the afternoon session:

- TDAQ
 - no major updates on our side in the last months
 - IHEP+USTC colleagues took over boards implementation and test
 - System is developing fine, ready for a joint test with FEC boards before summer
- Offline: missing manpower...

TAO: description and status of the experiment

TAO SiPM and electronics

Test of pre-production FEBs

Test of SiPM+FEB - C. Venettacci (Roma Tre)

Main group activities (JUNO)

RMU boards:

- 5 boards have been produced and sent in China
- 2 additional spares to be produced

(waiting for feedback on the boards already delivered and for some of them to be sent back)

Travels

- An integration to available funds to attend the collaboration meeting in July and for the work on the 1:1 TAO prototype

Shipments

- most likely an integration for shipping material to China will be needed (order few kE, tbd)

Detector

Costs rised wrt original quotations

- FEB: with a change in the connectors the final production should be ok
- uTCA crates price increased, we can buy maximum 3 in the current tender

Currently evaluating the prices for:

- Signal and power cables (offers on the table, the one from China larger than expected...)