

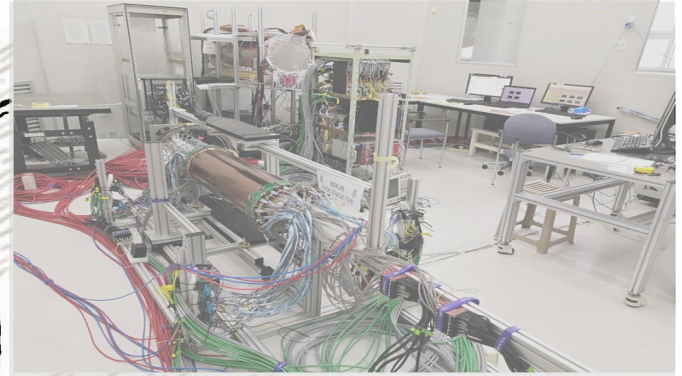
4/3/21

My Presentation for the BESTU Italy Meeting

- **WHAT:** Detector & Plans
- **WHO:** Experts & Shifter
- **WHEN:** Since November
- **WHERE:** Beijing

Detectors

- L1 & L2 together
- They are kept OK as much as possible
- Few checks are requested at people on-site
- Continuous checks on T&P, chiller and gas with the detector OK



Detectors Safety: Shifts



Febbraio	22	23	24	25	26	27	28	1	2	3	4	5	6	7
Leader	Michela	Giulio	Giulio	Baria	Riccardo	NO	NO	Michela	Michela	Giulio	Riccardo	Giulio	NO	NO
LV	Alberto	Giulio	Alberto	Giulio	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Michela	Michela*	Michela	Riccardo	Riccardo	NO	NO	Michela	Michela	Baria	Riccardo	Riccardo	NO	NO
9.30-13.00	Leader	Michela	Giulio	Michela	Riccardo	NO	NO	Michela	Baria	Giulio	Riccardo	Giulio	NO	NO
13.00-16.30	LV	Alberto	Alberto	Alberto	Riccardo	NO	NO	Michela	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Michela	Michela	Riccardo	Riccardo	Baria	NO	NO	Michela	Baria	Michela	Riccardo	Riccardo	NO	NO
10.00 - 13.00	Shifter	Isa	Sosio	Stefano G	Sosio	Gigi		Isa	Piero	Fabio	Isa	Sandro		
13.00 - 16.00		Piero	Isa	Stefano G	Piero	Isa		Sara	Sandro	Piero	Stefano S	Piero		
Febbraio	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Leader	Baria	Giulio	Giulio	Giulio	Michela	NO	NO	Michela	Michela	Baria	Michela	Riccardo	NO	NO
LV	Alberto	Giulio	Giulio	Alberto	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Baria	Baria	Michela	Giulio	Michela	NO	NO	Michela	Riccardo	Baria	Michela	Riccardo	NO	NO
9-11	Leader	Baria	Giulio	Giulio	Michela	NO	NO	Michela	Michela	Baria	Michela	Riccardo	NO	NO
11-13	LV	Alberto	Giulio	Giulio	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Baria	Baria	Baria	Giulio	Michela	NO	NO	Michela	Riccardo	Baria	Michela*	Riccardo	NO	NO
11-13	Leader	Baria	Giulio	Giulio	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
13-15	LV	Alberto	Giulio	Alberto	NO	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Michela	Michela	Baria	Giulio	Michela*	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
13-15	Leader	Baria	Giulio	Giulio	Giulio	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
15-17	LV	Alberto	Giulio	Alberto	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Michela	Michela	Michela	Giulio	Michela*	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
15-17	Leader	Baria	Giulio	Giulio	Giulio	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
17-19	LV	Alberto	Giulio	Alberto	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Michela	Michela	Giulio	Michela	NO	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
9.30-12.30	Shifter	Gigi	Gigi	S.Sosio	Isa	Isa		Isa	Piero	Piero	S.Sosio	Isa		
12.30-15.30		S.Gramigna	S.Sosio	S.Gramigna	S.Sosio	Piero		S.Gramigna	Isa	S.Gramigna	Sandro	S.Sosio		
15.30-18.30		Piero	Sandro	Piero	Fabio	Fabio		Piero	Sandro	Piero	Piero	Piero		

TIME TABLE

9.30→18.30 or 10.00 → 16.00

+ 2times 30minutes for the experts

PEOPLE


Experts (2020,2021):

Balossino, Bortome, Farinelli, Greco,
Mezzadri

Shifters (2021):

Calcaterra, Cibimetto, Cossio, Da
Rocha Polo, Garzia, Gramigna,
Morgante, Sosio, Patteri

Detectors Safety: Shifts



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HV	Michela	Michela*	Michela	Riccardo	Riccardo	NO	NO	Michela	Michela	Baria	Riccardo	Riccardo	NO	NO
Leader	Michela	Giulio	Michela	Riccardo	Riccardo	NO	NO	Michela	Baria	Giulio	Riccardo	Giulio	NO	NO
LV	Alberto	Giulio	Alberto	Giulio	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Michela	Michela	Riccardo	Riccardo	Baria	NO	NO	Michela	Baria	Michela	Riccardo	Riccardo	NO	NO
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HV	Baria	Baria	Michela	Giulio	Michela	NO	NO	Michela	Riccardo	Baria	Michela	Riccardo	NO	NO
Leader	Baria	Giulio	Giulio	Giulio	Michela	NO	NO	Michela	Michela	Baria	Michela	Riccardo	NO	NO
LV	Alberto	Giulio	Giulio	Alberto	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Baria	Baria	Baria	Giulio	Michela	NO	NO	Michela	Riccardo	Baria	Michela*	Riccardo	NO	NO
Leader	Baria	Giulio	Giulio	Giulio	Michela	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
LV	Alberto	Giulio	Giulio	Alberto	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Michela	Michela	Baria	Giulio	Michela*	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
Leader	Baria	Giulio	Giulio	Giulio	Michela	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
LV	Alberto	Giulio	Giulio	Alberto	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Michela	Michela	Michela	Giulio	Michela*	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
Leader	Baria	Giulio	Giulio	Giulio	Michela	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
LV	Alberto	Giulio	Giulio	Alberto	Alberto	NO	NO	Giulio	Alberto	Giulio	Alberto	Giulio	NO	NO
HV	Michela	Michela	Michela	Giulio	Michela	NO	NO	Michela	Riccardo	Baria	Riccardo	Riccardo	NO	NO
9.30-12.30	Gigi	Gigi	S.Sosio	Isa	Isa			Isa	Piero	Piero	S.Sosio	Isa		
12.30-15.30	S.Gramigna	S.Sosio	S.Gramigna	S.Sosio	Piero			S.Gramigna	Isa	S.Gramigna	Sandro	S.Sosio		
15.30-18.30	Shifter	Piero	Sandro	Piero	Fabio	Fabio		Piero	Sandro	Piero	Piero	Piero		

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Few shifter forced us to reduce the acquisition time

Detectors Safety: on-site

- Gas Check / Change

Argon Change every two months,
Isobutan less than once a year

- Chiller Check / Change

Chiller Refill lately every two month
+ Chiller Temperature Check

- Clean room Checks

If the temperature increase too much
→ It happened 3 times in 1 year

- PC Checks

If we loose communication
→ It happens sometime (especially when updating Windows)

Detectors Safety: future

INTERLOCK

Controllino arrived!

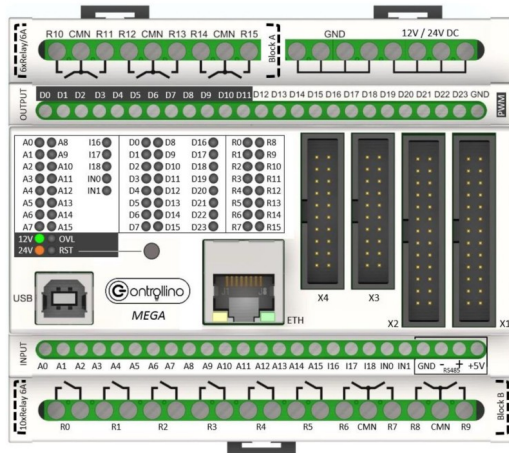
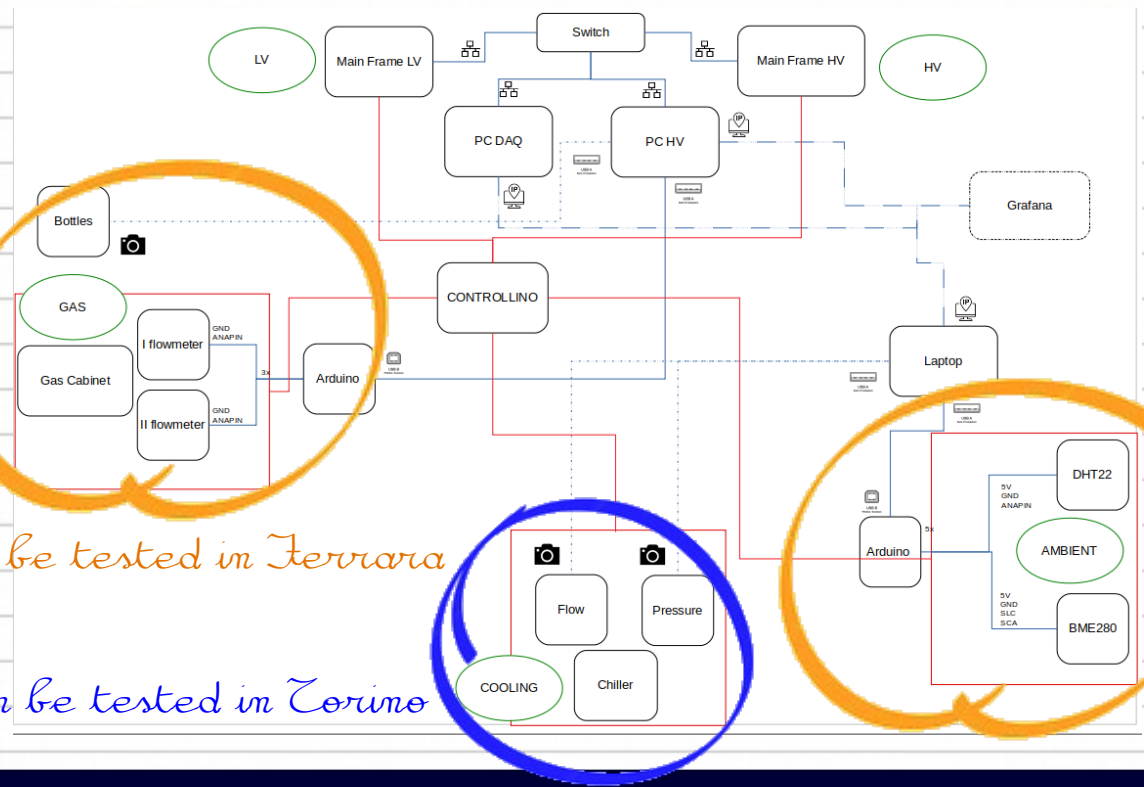


Figure 3:
CONTROLLINO MEGA



Can be tested in Ferrara

Can be tested in Torino

Detectors Final setup

Setup in the BESIII Hall

4 FEBs
1 GEMROC
1 A2517

As it was

2 FEBs
1 GEMROC

As it can be improved

1 A1515
1 Radial Redell

As we can start

Prepared to be 'remotely' controlled

DAQ: TD scan test successful

THR scan test under investigation

Started (and stop) some time ago

Preparation of documentation on-going

To be tested on real setup

Plans for the future

- **FROM ITALY:** *Continue as described*
- **ONCE IN BEIJING:** *Maintenance, Integration and Commissioning*

**L2's heatsinks
Cooling System Test
DAQ & SC**

and many many other things

Plans for the future

- **FROM ITALY:** *Continue as described*
- **ONCE IN BEIJING:** *Maintenance, Integration and Commissioning*

L2's heatsinks
Cooling System Test
DAQ & SC

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Thank you!