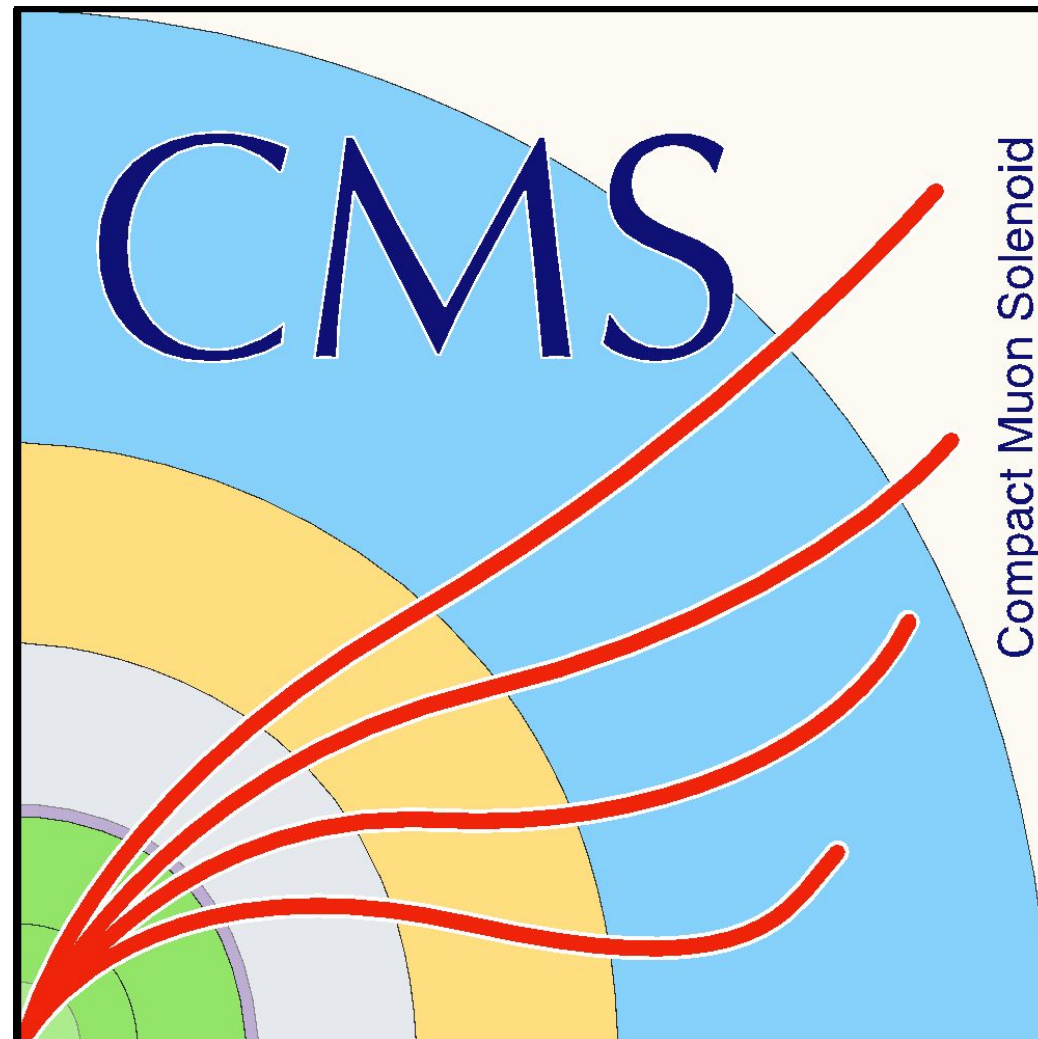


CMS Bari General meeting

19 Dec 2024

Rosamaria Venditti

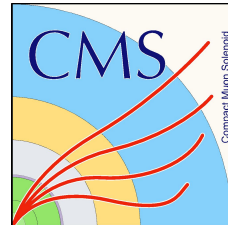
Università e INFN Bari



Un grazie a Mauro e Gigi



Benvenuti Lisa e Felice



Strong contribution to CMS from Bari group

- Tracker
- Muon: GEM, RPC
- Physics: BPH, Higgs
- POG: Muon, BTV

Many L1, L2, L3 roles

Annual Meeting
CMS Italia 2024
*A lot of contributions
from PhD*

young researcher talk : jet tagging

 Donato Troiano (Università e INFN, Bari (IT))
 09 October 2024 09:25
 Centro Congressi Sapienza


young researcher talk : GEM

 Felice Nenna (Università e INFN, Bari (IT))
 08 October 2024 16:00
 Centro Congressi Sapienza


young researcher talk : B0 to 4 muons

 Marco Buonsante (Università e INFN, Bari (IT))
 08 October 2024 10:55
 Centro Congressi Sapienza


Higgs discussion

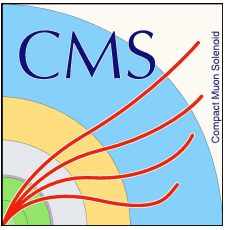
 Angela Taliervo (Northwestern University (US))
 Angela Zaza (Università e INFN, Bari (IT))
 Emanuele Di Marco (INFN, Roma 1 (IT))
 Nicola De Filippis (Politecnico/INFN Bari (IT))

DPG + POG Run3 reports

 Brunella D'Anzi (Università e INFN, Bari (IT)), Federica Primavera (Università e INFN, Bologna (IT)), et al.
 08 October 2024 16:40
 Centro Congressi Sapienza

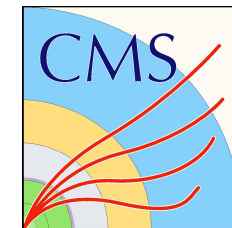

- Fondi di missione esauriti all'inizio di dicembre
- Consumi esauriti già ad ottobre
 - Fattura di Novembre e dicembre pending, saranno pagate sui fondi dell'anno prossimo
 - Phone contract almost deactivated
 - Pending: e-pool modules
 - RPC: asked to S. Buontempo/Paola Salvini. Checks ongoing to locate our modules in RPC setups
 - GEM: some modules identified and give back in october
- INFN Association:
 - medical certificate mandatory from now on
 - For INFN people: medical visit to be asked/agreed with INFN secretariat
 - For INFN associate (university staff, phd, postdoc):
 - If you did the visit in the past: please write to area.sicurezzalavoro@uniba.it and ask the certificate (some have already been sent by the secretariat)
 - If you never did the visit: ask to department secretariat the document for the working risk classification

Items for discussion



- Shifts
- Russian authorship vote
- CMS Bari Website

The problem



iCMS - EPR Shifts Country and Region Overview in 2024 - Proposal-2

Note:

Using the **CMS Shift Quota #2 (CSQ2)** defined as **Core P5 shifts** (Shift Leader (SL), Technical shift (TS), DAQ) + **Trigger (TRG)**, **DQM shifts** + **DOC#1** included. grouping for the definition of the "Central Shifts" category in the table below. The **shift weights** are defined as given on slides 5 and 6 of [this talk](#), for Proposal-1 and Proposal-2, respectively.

Switch to [Proposal-1](#) or view [Institutes](#)

The "# of Authors" reflect the possible changes of authorship flags during the year, hence the fractional numbers, not counting Emeriti.

The **CMS shift quota (CSQ)** expected for an author in 2024 is: **7.9 CSQs**.

Central shifts:
SL, DCS, DAQ, TRG, DQM, DOC1

SL, DCS, DAQ, TRG, DQM, DOC

Show Help

Column visibility

Select all

Select none

Export selected ...

Show15▼entries

Showing 1 to 1 of 1 entries (filtered from 44 total entries)

Search:

	Country	Region	# of Authors	Central Shifts expected	Central Shifts	Central Shifts Done	Central Shifts/Expected	Central Shifts Done/Expected so far	All Shifts
<input type="checkbox"/>	ITALY	Italy	252.35	1993.56	1746.50	1746.50	0.88	0.91	2573.43

- But INFN is paying 11kCHF/author
→ under discussion in CSN1: how to reduce the MOF contribution

Central Shifts - sort by done/exp

	Name	Country	# of Authors	Central Shifts expected	Central Shifts	Central Shifts Done	Central Shifts/Expected	Central Shifts Done/Expected so far	All Shifts
<input type="checkbox"/>	TRIESTE	ITALY	6.88	54.35	69.00	69.00	1.27	1.32	78.00
<input type="checkbox"/>	ROMA-1	ITALY	19.60	154.81	192.00	192.00	1.24	1.29	338.50
<input type="checkbox"/>	MILANO-BICOCCA	ITALY	21.70	171.43	198.00	198.00	1.16	1.20	315.00
<input type="checkbox"/>	PISA	ITALY	32.83	259.32	292.00	292.00	1.13	1.17	461.50
<input type="checkbox"/>	TORINO	ITALY	40.44	319.45	345.50	345.50	1.08	1.12	467.00
<input type="checkbox"/>	PADOVA	ITALY	23.27	183.79	189.00	189.00	1.03	1.07	222.14
<input type="checkbox"/>	PAVIA	ITALY	8.55	67.54	67.00	67.00	0.99	1.03	67.00
<input type="checkbox"/>	BOLOGNA	ITALY	23.95	189.19	151.50	151.50	0.80	0.83	222.29
<input type="checkbox"/>	GENOVA	ITALY	3.54	27.93	16.00	16.00	0.57	0.59	16.00
<input type="checkbox"/>	BARI	ITALY	27.51	217.36	96.50	96.50	0.44	0.46	159.50
<input type="checkbox"/>	PERUGIA	ITALY	13.66	107.92	48.00	48.00	0.44	0.46	81.50
<input type="checkbox"/>	FIRENZE	ITALY	17.64	139.39	61.50	61.50	0.44	0.46	69.00
<input type="checkbox"/>	NAPOLI	ITALY	8.84	69.85	20.50	20.50	0.29	0.30	43.00
<input type="checkbox"/>	CATANIA	ITALY	3.95	31.23	0.00	0.00	0.00	0.00	33.00

Rank: 10/14

Sort by shift number

	Name	Country	# of Authors	Central Shifts expected	Central Shifts	Central Shifts Done	Central Shifts/Expected	Central Shifts Done/Expected so far	All Shifts
<input type="checkbox"/>	TORINO	ITALY	40.44	319.45	345.50	345.50	1.08	1.12	467.00
<input type="checkbox"/>	PISA	ITALY	32.83	259.32	292.00	292.00	1.13	1.17	461.50
<input type="checkbox"/>	ROMA-1	ITALY	19.60	154.81	192.00	192.00	1.24	1.29	338.50
<input type="checkbox"/>	MILANO-BICOCCA	ITALY	21.70	171.43	198.00	198.00	1.16	1.20	315.00
<input type="checkbox"/>	BOLOGNA	ITALY	23.95	189.19	151.50	151.50	0.80	0.83	222.29
<input type="checkbox"/>	PADOVA	ITALY	23.27	183.79	189.00	189.00	1.03	1.07	222.14
<input type="checkbox"/>	BARI	ITALY	27.51	217.36	96.50	96.50	0.44	0.46	159.50
<input type="checkbox"/>	PERUGIA	ITALY	13.66	107.92	48.00	48.00	0.44	0.46	81.50
<input type="checkbox"/>	TRIESTE	ITALY	6.88	54.35	69.00	69.00	1.27	1.32	78.00
<input type="checkbox"/>	FIRENZE	ITALY	17.64	139.39	61.50	61.50	0.44	0.46	69.00
<input type="checkbox"/>	PAVIA	ITALY	8.55	67.54	67.00	67.00	0.99	1.03	67.00
<input type="checkbox"/>	NAPOLI	ITALY	8.84	69.85	20.50	20.50	0.29	0.30	43.00
<input type="checkbox"/>	CATANIA	ITALY	3.95	31.23	0.00	0.00	0.00	0.00	33.00
<input type="checkbox"/>	GENOVA	ITALY	3.54	27.93	16.00	16.00	0.57	0.59	16.00

Rank: 7/14

Central Shifts - sort by number of authors

	Name	Country	# of Authors	Central Shifts expected	Central Shifts	Central Shifts Done	Central Shifts/ Expected	Central Shifts Done/Expected so far	All Shifts
<input type="checkbox"/>	TORINO	ITALY	40.44	319.45	345.50	345.50	1.08	1.12	467.00
<input type="checkbox"/>	PISA	ITALY	32.83	259.32	292.00	292.00	1.13	1.17	461.50
<input type="checkbox"/>	BARI	ITALY	27.51	217.36	96.50	96.50	0.44	0.46	159.50
<input type="checkbox"/>	BOLOGNA	ITALY	23.95	189.19	151.50	151.50	0.80	0.83	222.29
<input type="checkbox"/>	PADOVA	ITALY	23.27	183.79	189.00	189.00	1.03	1.07	222.14
<input type="checkbox"/>	MILANO-BICOCCA	ITALY	21.70	171.43	198.00	198.00	1.16	1.20	315.00
<input type="checkbox"/>	ROMA-1	ITALY	19.60	154.81	192.00	192.00	1.24	1.29	338.50
<input type="checkbox"/>	FIRENZE	ITALY	17.64	139.39	61.50	61.50	0.44	0.46	69.00
<input type="checkbox"/>	PERUGIA	ITALY	13.66	107.92	48.00	48.00	0.44	0.46	81.50
<input type="checkbox"/>	NAPOLI	ITALY	8.84	69.85	20.50	20.50	0.29	0.30	43.00
<input type="checkbox"/>	PAVIA	ITALY	8.55	67.54	67.00	67.00	0.99	1.03	67.00
<input type="checkbox"/>	TRIESTE	ITALY	6.88	54.35	69.00	69.00	1.27	1.32	78.00
<input type="checkbox"/>	CATANIA	ITALY	3.95	31.23	0.00	0.00	0.00	0.00	33.00
<input type="checkbox"/>	GENOVA	ITALY	3.54	27.93	16.00	16.00	0.57	0.59	16.00

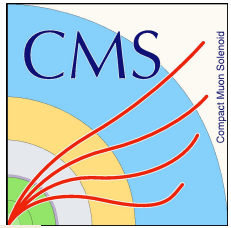
Rank: 3/14

Bari engagement in CMS shifts

Name	Category	Due	Pledged	Accepted	EPR WorkDone	ShiftsDone (CSP)	ShiftsPledged (CSP)
Ferrara, Nicola	Doctoral Student	2.40	4.00	2.00	2.00	2.08	2.08
Zaza, Angela	Doctoral Student	4.00	4.00	3.00	3.00	1.52	1.52
Silvestris, Lucia	Physicist	4.00	0.00	0.00	0.00	0.74	0.74
Troiano, Donato	Doctoral Student	4.00	7.35	5.35	5.35	0.72	0.72
Stamerra, Anna	Doctoral Student	4.00	5.00	5.00	5.00	0.62	0.62
Pellecchia, Antonello	Physicist	4.00	5.53	2.52	2.52	0.58	0.58
Longo, Luigi	Physicist	3.79	6.35	4.35	4.35	0.37	0.37
Nenna, Felice	Doctoral Student	0.28	3.35	2.35	2.35	0.37	0.37
Buonsante, Marco	Doctoral Student	2.85	6.35	4.35	6.35	0.37	0.37

Shifts contribution driven by PhD students

What other italian institute did



Name	Category	Due	Pledged	Accepted	EPR WorkDone	ShiftsDone (CSP)	ShiftsPledged (CSP)	Suspended	peopleInfo
Basile, Chiara	Doctoral Student	4.00	4.00	4.00	4.00	3.80	3.80	No	profile
Gargiulo, Ruben	Doctoral Student	2.76	6.00	6.00	6.00	3.18	3.18	No	profile
De Raggi, Federica	Doctoral Student	0.54	6.00	6.00	6.00	2.02	2.02	No	profile
Frosina, Lorenzo	Doctoral Student	0.49	6.00	6.00	6.00	1.75	1.75	No	profile
Palmeri, Noemi	Doctoral Student	0.62	6.00	6.00	6.00	1.75	1.75	No	profile
Quaranta, Claudio	Physicist	4.00	8.00	6.00	6.00	0.92	0.92	No	profile
Errico, Filippo	Physicist	4.00	1.50	0.00	0.00	0.83	0.83	No	profile
Lombardi, Federico	Doctoral Student	0.54	7.00	6.00	6.00	0.83	0.83	No	profile
Mijuskovic, Jelena	Physicist	4.00	5.00	5.00	5.00	0.83	0.83	No	profile
Akrap, Petra	Doctoral Student	0.56	6.00	6.00	6.00	0.76	0.76	No	profile
Rovelli, Chiara	Physicist	4.00	5.00	3.00	3.00	0.65	0.65	No	profile
Vladimirov, Vangelis	Physicist	2.75	5.00	5.00	5.00	0.62	0.62	No	profile
Cavallari, Francesca	Physicist	4.00	5.00	5.00	5.00	0.42	0.42	No	profile
Chirico, Martina	Non-Doctoral Student	0.00	0.00	0.00	0.00	0.14	0.14	No	profile

Shifts contribution driven by PhD students

What other italian institute did

Name	Category	Due	Pledged	Accepted	EPR WorkDone	ShiftsDone (CSP)	ShiftsPledged (CSP)	Suspended	peopleInfo
Matos Figueiredo, Diego	Physicist	4.00	12.00	0.00	0.00	2.95	2.95	No	profile
Ligabue, Franco	Physicist	4.00	0.00	0.00	0.00	2.08	2.08	No	profile
Tenchini, Francesco	Physicist	0.98	4.00	4.00	4.00	1.66	1.66	No	profile
Donato, Silvio	Physicist	4.00	8.50	8.50	8.50	1.48	1.48	No	profile
Asenov, Patrick	Physicist	4.00	2.00	2.00	2.00	1.38	1.38	No	profile
Cipriani, Marco	Physicist	4.00	0.00	0.00	0.00	1.29	1.29	No	profile
Aimè, Chiara	Physicist	2.64	0.00	0.00	0.00	1.18	1.18	No	profile
Vaselli, Francesco	Doctoral Student	4.00	5.00	5.00	3.00	0.85	0.85	No	profile
Musich, Marco	Physicist	4.00	13.00	12.00	9.00	0.83	0.83	No	profile
D'Amante, Valeria	Doctoral Student	4.00	0.00	0.00	0.00	0.46	0.46	No	profile
Feliziani, Annalisa	Doctoral Student	5.63	0.00	0.00	0.00	0.37	0.37	No	profile
Cattafesta, Filippo	Doctoral Student	0.77	6.00	6.00	6.00	0.07	0.07	No	profile

Driven by Physicist

What other italian institute did

Name	Category	Due	Pledged	Accepted	EPR WorkDone	ShirtsDone (CSP)	ShirtsPledged (CSP)	Suspended	peopleInfo
Lavizzari, Giulia	Doctoral Student	1.23	3.00	3.00	3.00	5.30	5.30	No	profile
Gennai, Simone	Physicist	4.00	2.50	2.50	2.50	4.08	4.08	No	profile
Brivio, Francesco	Physicist	4.00	6.50	3.00	6.50	2.03	2.03	No	profile
Perego, Aurora	Doctoral Student	4.00	5.00	5.00	5.00	1.45	1.45	No	profile
Palluotto, Simona	Doctoral Student	4.00	6.00	6.00	6.00	1.38	1.38	No	profile
Cetorelli, Flavia	Physicist	4.00	11.00	8.00	8.00	0.87	0.87	No	profile
Gerosa, Raffaele	Physicist	4.00	2.00	2.00	0.00	0.42	0.42	No	profile

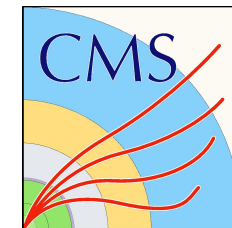
PhD, Physicist (one based at CERN)

What other italian institute did

Name	Category	Due	Pledged	Accepted	EPR WorkDone	ShiftsDone (CSP)	ShiftsPledged (CSP)	Suspended	peopleInfo
Borella, Lorenzo	Doctoral Student	2.88	0.65	0.65	0.65	2.47	2.47	No	profile
Gozzelino, Andrea	Engineer	0.00	0.00	0.00	0.00	2.42	2.42	Yes	profile
Bulla, Andrea Claudio Maria	Doctoral Student	4.00	4.00	4.00	4.00	1.68	1.68	No	profile
Ronchese, Paolo	Physicist	4.00	0.00	0.00	0.00	1.08	1.08	No	profile
Zucchetta, Alberto	Physicist	4.00	0.00	0.00	0.00	1.04	1.04	No	profile
Lai, Nicolo	Doctoral Student	4.31	3.00	3.00	1.00	0.69	0.69	No	profile
Giorgetti, Sabrina	Doctoral Student	3.08	5.00	5.00	4.00	0.42	0.42	No	profile
Tosi, Mia	Physicist	4.00	2.50	2.50	0.50	0.42	0.42	No	profile
Azzi, Patrizia	Physicist	4.00	0.00	0.00	0.00	0.32	0.32	No	profile
Rossin, Roberto	Physicist	4.00	0.00	0.00	0.00	0.21	0.21	No	profile
Ardino, Rocco	Doctoral Student	4.00	4.00	4.00	4.00	0.14	0.14	No	profile

PhD, Physicist

What to do to improve

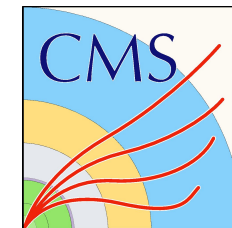


- Increase number of shifts performed by the whole group
 - Slightly Increase engagement of the PhD students
 - Increase the engagement of the Physicist
- Decrease number of authors :)
 - here we can just pass to “emeritus” the most senioered people (a couple)
 - would be beneficial also for the MOF reduction issue

How to increase the number of shifts

- No effort to monitor and organize the shift engagement in our group up to now
- Let's try to propose a guideline:
 - PhD \rightarrow O(10) central shifts (DCS) + 1 week of GEM DOC
 - PhD with SF \rightarrow O(15) central shifts (DCS) + 1 week of GEM DOC
 - Senior \rightarrow 1 week of central shifts or GEM DOC
 - consider that there are some shifts that can be done from remote

2025 Shifts opening



- The first months (March-July) of Shift Leader and Technical Shifter shifts for 2025 opened on cmsonline shiftlist on Thursday 12th December, at 15:00 GVA time.
- If you already have the trainings you can book the shifts at:
https://cmsonline.cern.ch/webcenter/portal/cmsonline/pages_common/shiftlist
- If you don't have the training, the list of training dates is here:
<https://cms-talk.web.cern.ch/t/shift-leader-and-technical-shifter-training-sessions-in-2025/76053>
 - for Shift Leader:
https://lms.cern.ch/ekp/servlet/ekp?PX=N&TEACHREVIEW=N&PTX=&CID=EKP000039990&TX=FORMAT1&LANGUAGE_TAG=en&DECORATEPAGE=N 7
 - for Technical Shifter (DCS):
https://lms.cern.ch/ekp/servlet/ekp?PX=N&TEACHREVIEW=N&PTX=&CID=EKP000039911&TX=FORMAT1&LANGUAGE_TAG=en&DECORATEPAGE=N

The russian authorship issue - On vote

Option 1: Add in <https://cms.cern/collaboration> "Following the Russian invasion of Ukraine with involvement of Belarus, publication with institutions from the Russian Federation and the Republic of Belarus is prohibited in several CMS Collaboration member states. Consequently, CMS authors from institutions in these two countries are listed as being affiliated with Institutes that are, or were, governed by a cooperation agreement with CERN, and no acknowledgements are made for funding from Russian or Belarusian agencies. The list of institutions and funding agencies that contributed to the construction of the CMS experiment can be found in the Journal of Instrumentation: The CMS Experiment at the CERN LHC, JINST 3 (2008), S08004, DOI: 10.1088/1748-0221/3/08/S08004."

Option 2: Add in <https://cms.cern/collaboration> "CMS authors from institutions in the Russian Federation and Republic of Belarus are listed as being from an Institute that either is or was governed by a cooperation agreement with CERN. The list of institutions and funding agencies that contributed to the construction of the CMS experiment can be found in the Journal of Instrumentation: The CMS Experiment at the CERN LHC, JINST 3 (2008), S08004, DOI: 10.1088/1748-0221/3/08/S08004 ."

Option 3: Add in <https://cms.cern/collaboration> "The list of institutions and funding agencies that contributed to the construction of the CMS experiment can be found in the Journal of Instrumentation: The CMS Experiment at the CERN LHC, JINST 3 (2008), S08004, DOI: 10.1088/1748-0221/3/08/S08004."

Propose to vote (CBIs) on the 3 options (please discuss it in your groups):

- Option 1
- Option 2
- Option 3
- None of the above
- Abstain

Vote will be launched soon after the CB for <~ 2 weeks until 23 Dec 23:59.

If no majority of 50%, the two options with most votes would go to a run-off, iterating until 50% majority for one option is reached

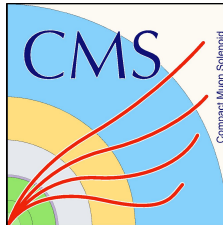
10

None of the above means: We do not agree with any option, we do not want to add any of these sentences on our public web page

Abstain: We have no opinion - we will let other CBI votes determine the majority (Abstain counts towards the quorum but is not used in determining the majority)

This vote should close this discussion

CMS Bari website



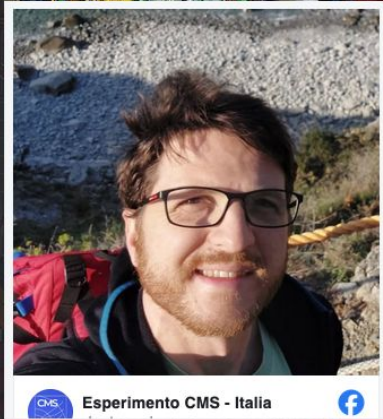
https://web.infn.it/cms_bari/



Home 

Breadcrumbs

You are here: / Home

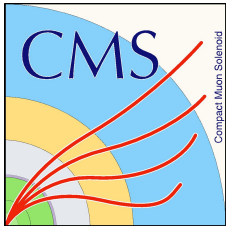


Esperimento CMS - Italia

<https://www.roma1.infn.it/exp/cms/>

https://web.infn.it/cms_bologna/

Website layout



- **Home:**

- general description of CMS
- Description of CMS Bari group

- **Research activity**

- Tracker
 - GEM
 - RPC
- Muon
 - BPH
 - Higgs
- POG
 - Muon
 - BTV

[Link to google doc to collect the contents](#)

- **The Group:**

- List: For each people: role (phd, postdoc, researcher,), research interest, pic?
- Group pics

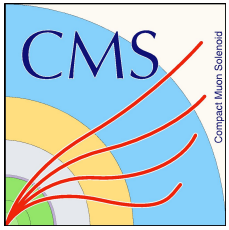
- **Thesis proposal**

- List of short abstracts, bibliographic reference, image

- **Useful links**

- CMS Italia website
- CMS CERN website
- Infn bari
- Twiki camionetta
- Twiki istruzioni newcomers
- Twiki link resp. Locale
- Our analysis code

Website layout



- **Research activity**

- Tracker
- Muon
 - GEM
 - RPC
- Physics
 - BPH
 - Higgs
- POG
 - Muon
 - BTV

500 words description for each activity

Tracker GEM RPC:

Pics of lab and people at work in the lab

Phys and POG:

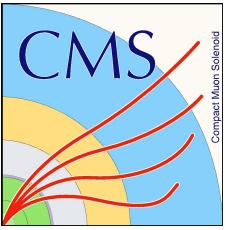
Link to approved DPS and paper

Some nice plot

[Link to google doc to collect the contents](#)

Tracker: Ilirjan
GEM: Piet
RPC: Dayron
BPH: Federica
Higgs: Rosma
Muon: Raffa
BTV: Luigi

Website layout

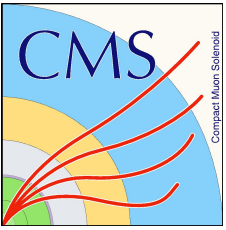


- **The Group:**
 - List: For each people: role (phd, postdoc, researcher,), research interest, pic?
 - Group pics

Antonello
Vincenzo

[Link to google doc to collect the contents](#)

Website layout

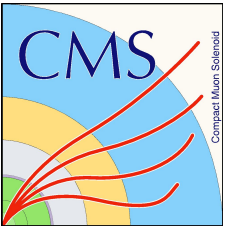


- **Thesis proposal:**
 - List of short abstracts, bibliographic reference, image

Rosma

[Link to google doc to collect the contents](#)

CMS Annual dinner



Ristorante Giampaolo

<https://www.ristorantegiampaolo.it/>

Menu

- Antipasti vari
- Primo: cavatelli frutti di mare
- Secondo: filetto di orata con verdure
- Dolce
- Vino cantine paolo leo

Vegetariani:

- Antipasti vari
- Primo: da definire su 3 proposte al momento
- Secondo: hamburger vegetale

Costo: 30 euro per PhD che non hanno usufruito del SF
Per tutti gli altri: il costo sarà tra i 55 e i 65 euro.

