

CBM JUNIORS STATUS REPORT

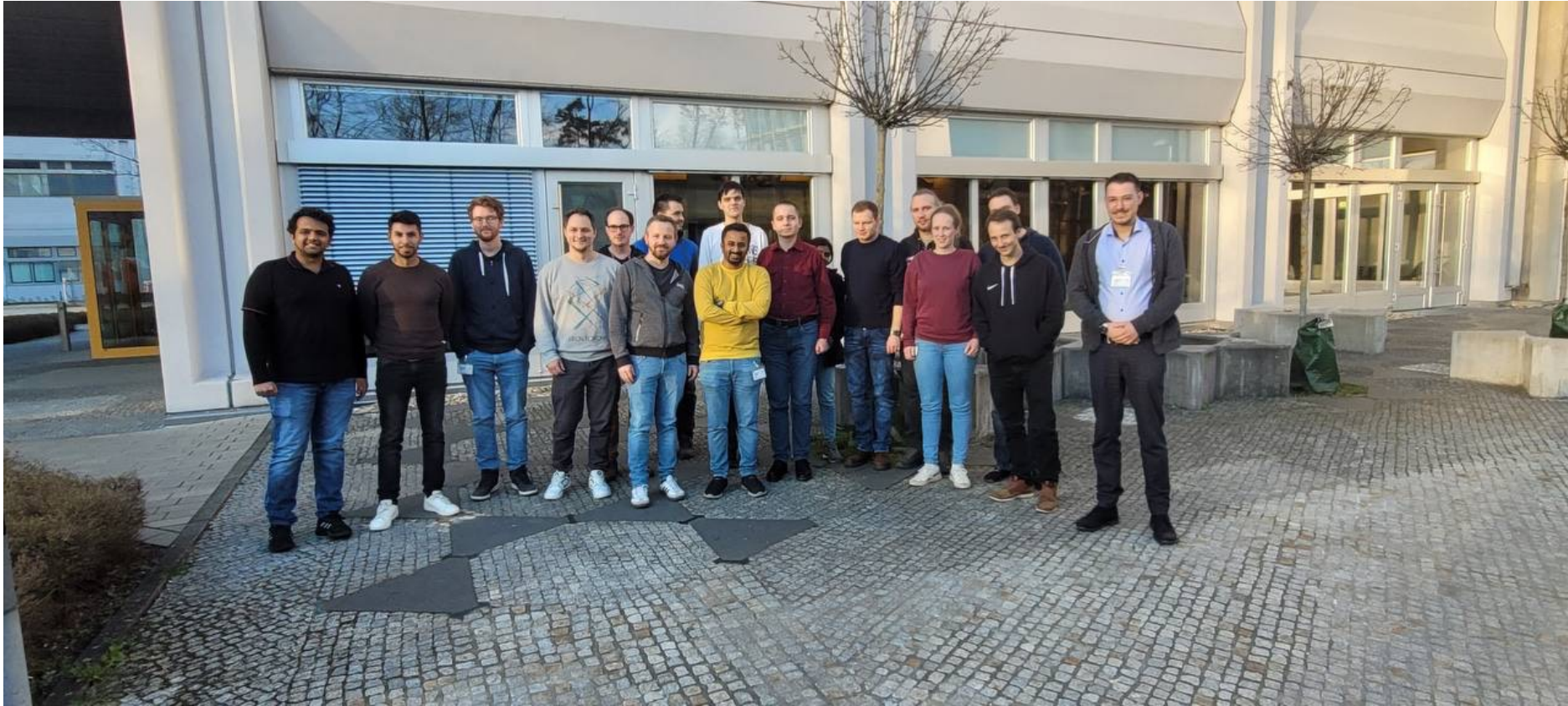
Pavish Subramani
University of Wuppertal, Germany

Junior's day, Sep. 2024



**BERGISCHE
UNIVERSITÄT
WUPPERTAL**

Welcome to Prague..!!

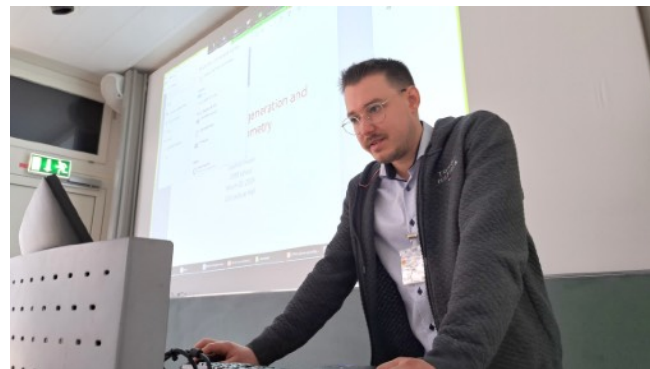


Junior's day, CBM week, Sep. 2024



Highlights from last CBM Juniors day:

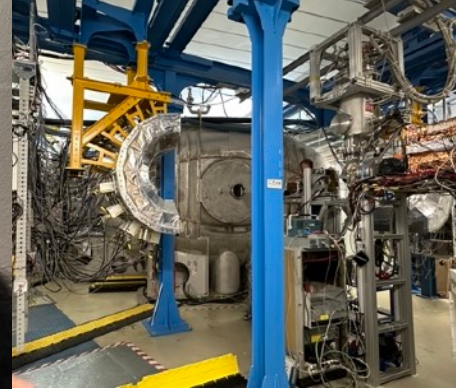
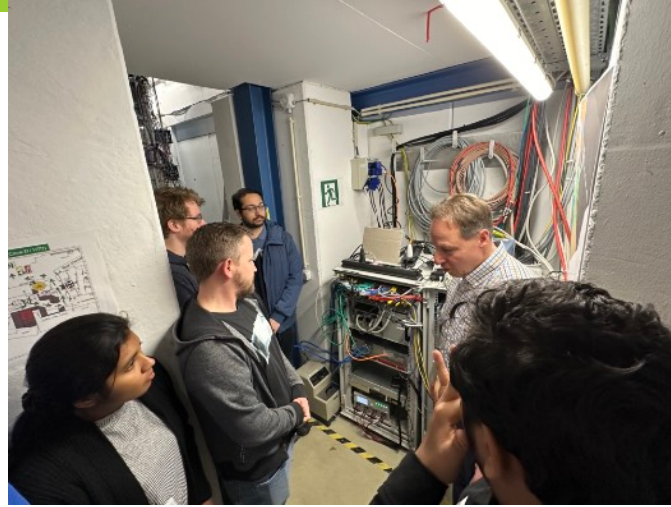
Pic credits:
Axel and Phillip



Junior's day, CBM week, Sep. 2024



Visit to mCBM:



During last student day, we organised a visit to the mCBM Cave -

Thanks to Dr. Christian Sturm and Dr. David Emschermann.

Introduction to the physics and detectors with DAQ concepts were explained.

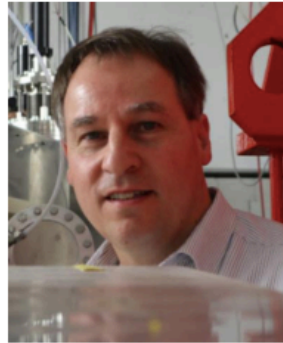


Spokesperson election:

- The votes have to be cast before **April 12**.
- We have 2 full votes.
- We have 3 candidates for the election.



Prof. Dr. Tetyana Galatyuk
TU Darmstadt



Dr. Christian Sturm
GSI CBM Department



Prof. Dr. Alberica Toia
Goethe-Universität

We held an internal election for our share of votes for the spokesperson.
We chose **Dr. Tetyana Galatyuk** will get both of our votes.

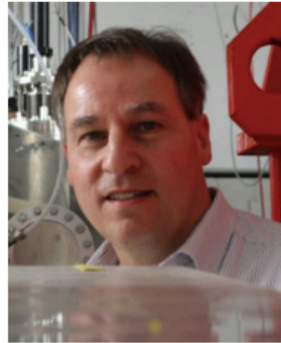


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Dr. Tetyana Galatyuk was elected as our spokesperson by CB.



CBM Juniors travel grant

- For past few years, we have the grant for Juniors to attend conferences/workshops.
- A sum up to 1000€ per applicant.
- Granted by the Travel Grant Selection committee
 - CBM Spokesperson: Norbert Herrmann / Tetyana Galtyuk
 - CBM Conference Board Chair: H.R. Schmidt
 - CBM Juniors Representative: Pavish Subramani
- Everyone can apply.
- Maximum two applications per year.
- This year both the travel grant was given out already.
- Possibility to carry-over the funds from unused years? Or add few more grants.



CBM Juniors travel grant

Abhishek Kumar Sharma

- MUCH @ CBM - Aligarh Muslim University, India
- Applied to visit "European AI for Fundamental Physics Conference 2024", Amsterdam & stay at GSI.
- Title of contribution :
"Reconstruction of Low Mass Vector Mesons via Dimuon decay channel using Machine Learning Technique for the CBM Experiment at FAIR"
- Partial travel costs and the registration fees reimbursed.



CBM Juniors travel grant

Pawan Kumar Sharma

- MUCH @ CBM - VECC, India
- Applied to visit “CHEP, FAIRNESS 2024 & stay in GSI”.
- Title of contribution :
"Reconstruction of low mass di-muon cocktail using Machine learning(ML) techniques at CBM experiment”
- Application accepted.



Student lecture: Invited HADES group.

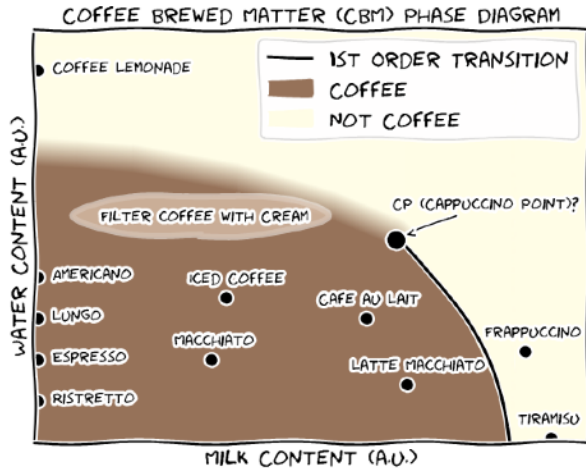
Prof. Raghunath Sahoo : Probing Quark-Gluon Plasma at the Large Hadron Collider in the Charmonia sector using Machine Learning

The image shows a Zoom meeting interface. On the left, there is a 4x4 grid of video thumbnails. The top row shows Pavish Subramani, Raghunath Sahoo, Sukyung Kim, and Abhishek Sharma. The second row shows Anjali Sharma, Axel Puntke, Suman, and athira sreelith. The third row shows Adrian Meyer-Ahrens, Simon Neuhaus, Florian Seck, and jessica vogel. The bottom row shows David Guierrez Menendez, Mohamed Ahmed, Bushra Parveen, and Abhishek Anil Deshmukh. On the right side, there is a search bar and a list of participants with their initials and names, including Raghunath Sahoo (me), Axel Puntke (Host), Pavish Subramani (Co-host), Abhishek Anil Deshmukh, Abhishek Sharma, Adrian Meyer-Ahrens, Anjali Sharma, athira sreelith, Bushra Parveen, David Guierrez Menendez, Florian Seck, jessica vogel, Mohamed Ahmed, Simon Neuhaus, and Sukyung Kim. At the bottom, there is a control bar with icons for Mute, Stop Video, Participants (16), Chat, Share Screen, Reactions, Apps, Whiteboards, Notes, and a red Leave button.



Coffee cup design contest:

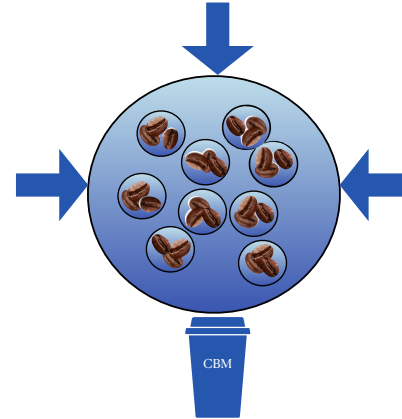
- As advised by our Spokesperson, we took initiative to design our CBM coffee cup.
- Initially announced on June, 28th.
- We received 4 designs: **Thanks to all designers** 🙌



Adrian Meyer-Ahrens



Carina Udrea



Rudrapriya Das

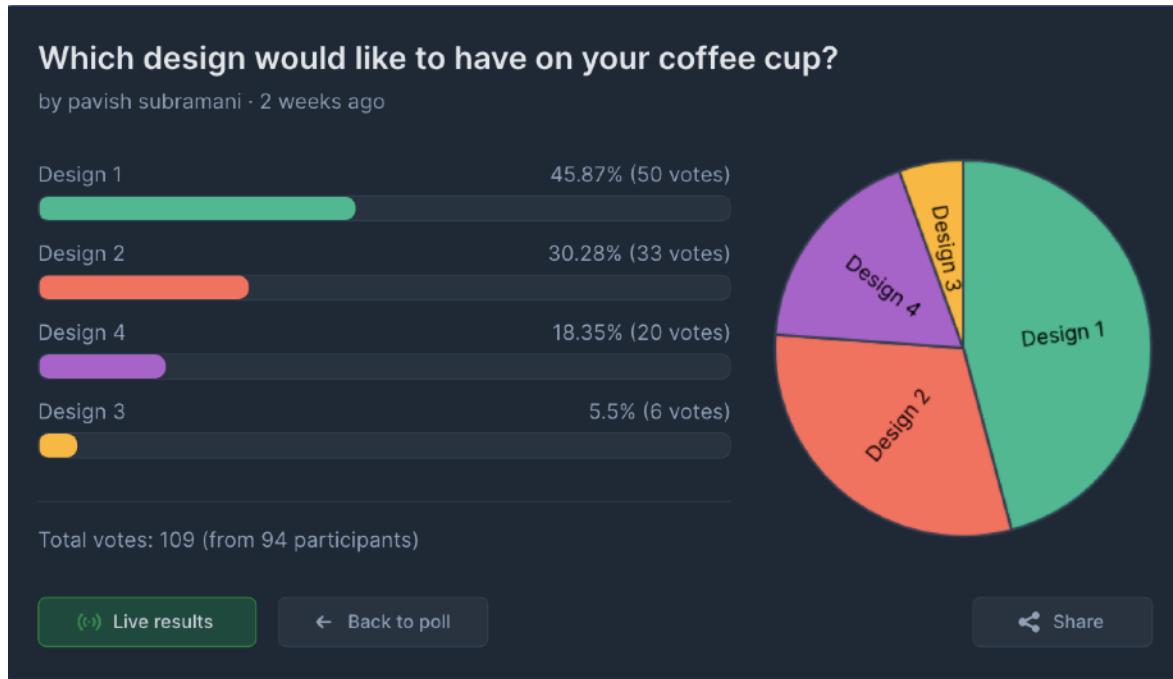


Simon Neuhaus



Coffee cup design contest:

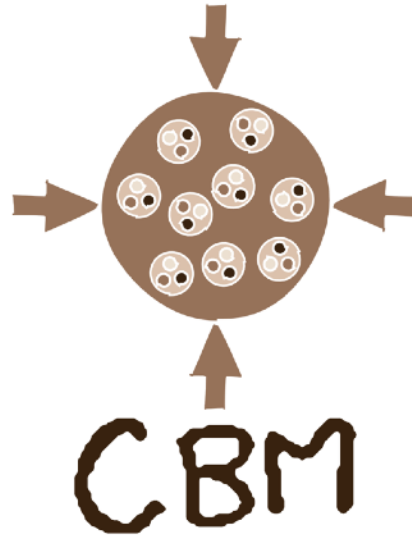
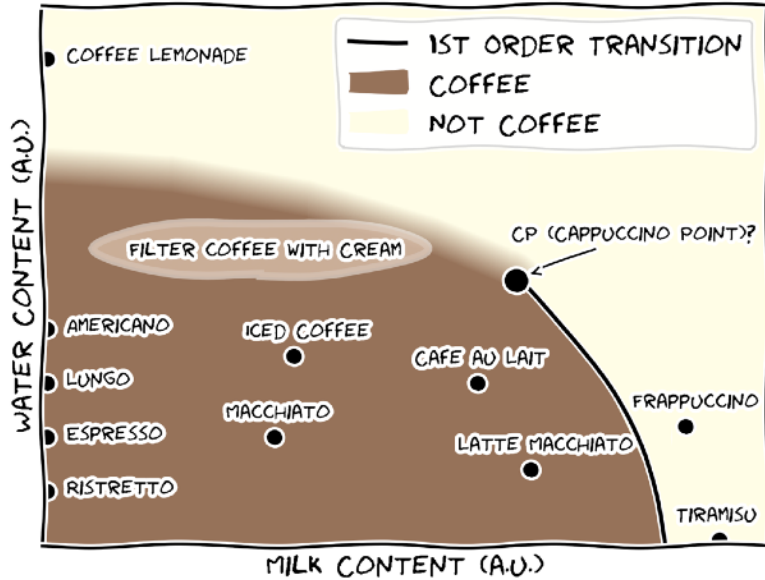
- Voted by entire collaboration.
- 109 votes from 94 participants



Coffee cup design contest:

- Voted by entire collaboration.
- 109 votes from 94 participants
- Adrian's coffee phase diagram design won.

COFFEE BREWED MATTER (CBM) PHASE DIAGRAM



Adrian Meyer-Ahrens



Coffee cup design contest:



High resolution images can be found in :

<https://uni-muenster.sciebo.de/s/EHjkqxNwW0pdBe9>



Changes to the bylaws of CBM :

3.4 Junior Members and Juniors Representative **New**

Junior Members of CBM are graduate students and members with a PhD who have held their degree for less than four years. The Junior Members elect a **Juniors Representative** at a **Juniors Meeting** for a term of one year by simple majority. The Juniors Representative (JR) is an ex-officio member of the CB, carries two votes and represents the interests of the younger CBM members in the the Collaboration. The JR invites to the Juniors Meetings during the CBM weeks.

3.4 Junior Members **Old**

A representative of the **Juniors Members Assembly** represents the interest of the younger CBM members in the the Collaboration. The Junior Member Assembly elects a representative with a simple majority. The Junior Representative (JR) is ex-officio member of the CB and carries two votes. Junior Members of CBM are graduate students and PhDs holding their degree for less than four years. The JR invites for Meetings of the Junior Members Assembly during CBM weeks.



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- No major change to our part.
- Since no correction is received from us, I did not propose for any changes.
- There is an e-vote to endorse the changes.



Election for new CB Chair:

- The term for the present CB chair Prof. Nu Xu will expire soon.
- A search committee with Mariana Petris, Shinichi Esumi, Karl-Heinz Kampert (Chair) was formed to select the potential candidates.

Prof. Dr. Claudia Höhne, JLU, Germany



Prof. Dr. Hanna Zbroszczyk, WUT, Poland




- There will be an e-vote after the CB meeting.



Let's vote 



Rest of the day:

11:00	→ 11:30	CBM Juniors internal meeting Speaker: Pavish Subramani (Bergische Universität Wuppertal(BUW))	🕒 30m	✎
11:30	→ 12:30	Lecture - Art of particle ID Speaker: Christian Pauly (Bergische Universität Wuppertal(BUW))	🕒 1h	✎
12:30	→ 13:10	Coffee/lunch break	🕒 40m	
13:10	→ 13:50	Lecture- CBM DAQ architecture Speaker: David Emschermann (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))  20240915_169_cb...	🕒 40m	✎
13:50	→ 14:50	Coffee & commute to reactor facility	🕒 1h	
15:00	→ 17:00	Visit to the reactor Speaker: Pavish Subramani (Bergische Universität Wuppertal(BUW))	🕒 2h	✎
18:30	→ 20:30	Social activity	🕒 2h	✎



Any other business?



Thank you

