



CMS Collaboration Board



The CMS Collaboration

caveat: map is not up to date

Collaboration of institutes

43 countries

201 institutes

1900 PhD physicists

950 PhD students

690 undergrads

850 engineers



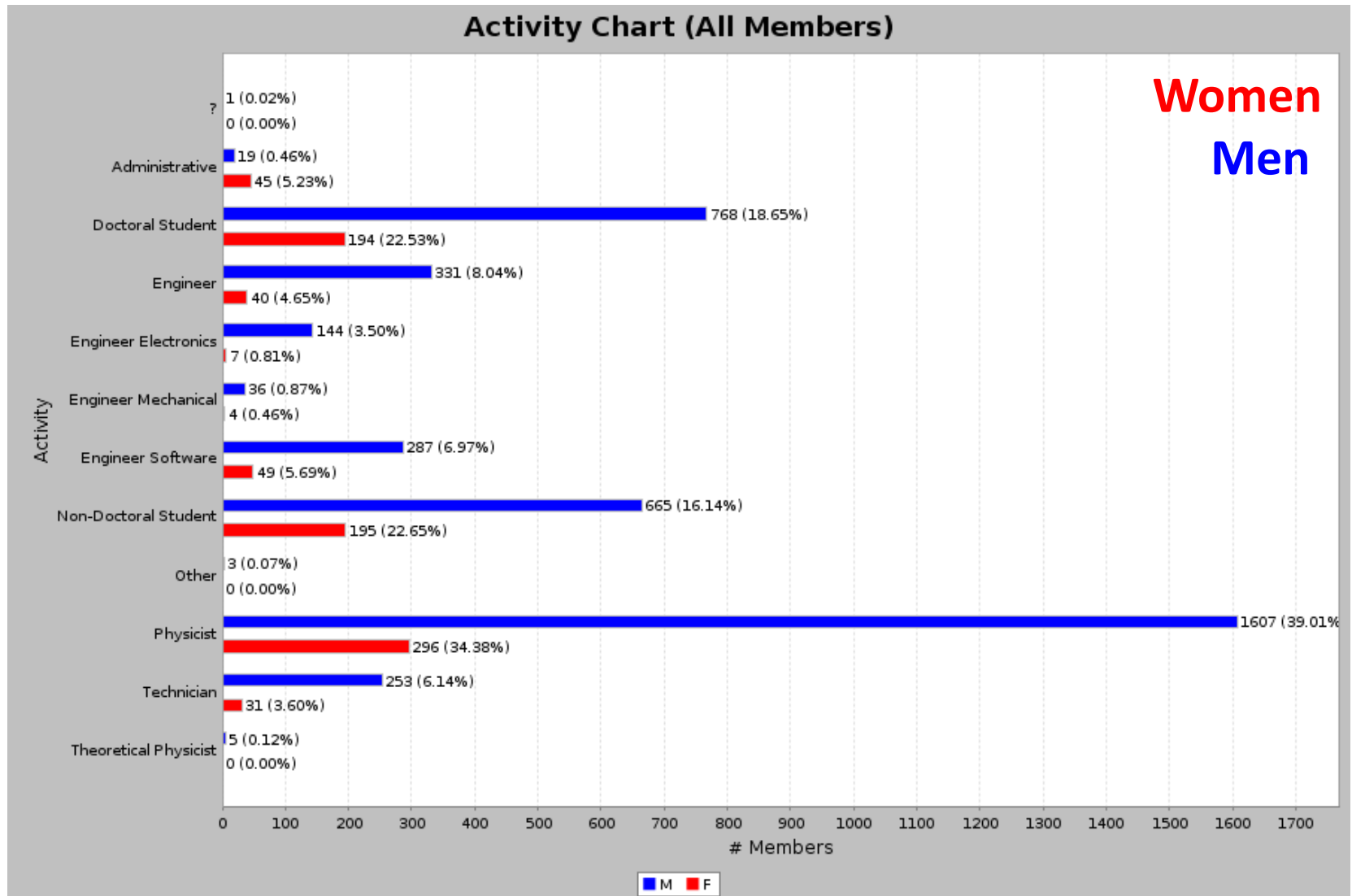
(~ 83% men, ~ 17% women)

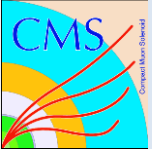


<https://cms-users.web.cern.ch/cms-users/cms/Management/Stats/stats.html>

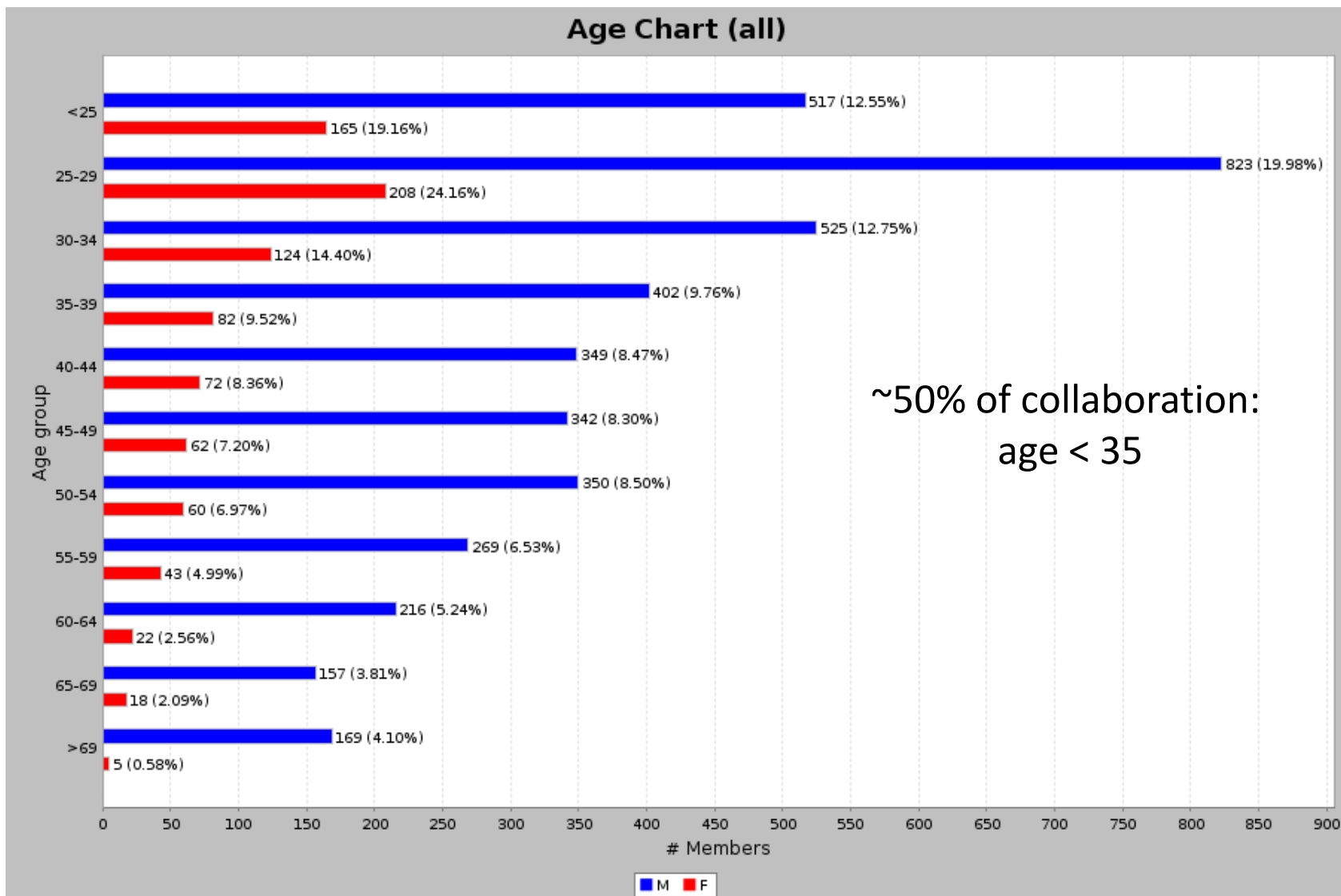


The CMS Collaboration – profile





The CMS Collaboration – age





The CMS Constitution

Organization

Structure

- Management, role of Boards, policies, elections, meetings,...

Sharing opportunity

- Conference talks, authorship, leadership, participation, ...

Sharing responsibility

- Operations, decisions, construction, financial, Code of Conduct, ...

Transparency

- Establish the basis for a transparent organization

Guidelines



<https://cms.web.cern.ch/org/cms-constitution-rules-and-guidelines>



The CMS Collaboration Board

Uniting institutes

Towards decisions

- Meeting during every CMS Week (6x/year)
- Permanent link with management

Management

- Election/selection of leadership
- Define the structure of the management

Representation

- Each institute has one delegate in the collaboration board

Final decisions

- Typically by consensus, sometimes by vote
- One vote per institute

Organizing research



<https://cms.web.cern.ch/org/collaboration-board>



Collaboration Board Chair team

July 1st 2014 until August 31st, 2017

Chairperson
Jorgen D'Hondt

Secretary
Nick Hadley

Deputy Chairperson
Günther Dissertori



Organization chart

July 2014

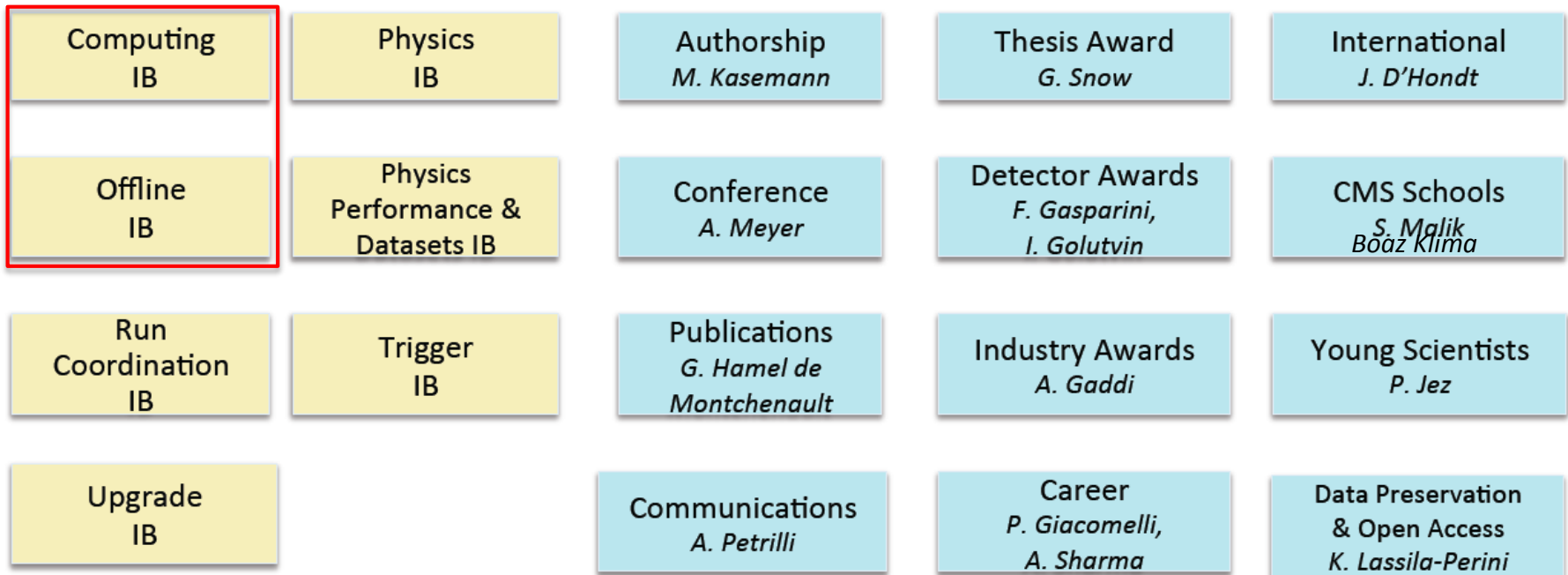
CMS Collaboration Board

Chair: J. D'Hondt
Deputy: G. Dissertori
Secretary: N. Hadley
Members: Institutional Representatives
Ex officio: CMS Management Board,
 Subsystem Institution Board Chairs,
 Chairs of CB Standing Committees

CB Advisory Group
 Members selected by CB Chair

CB acting as an Institution Board

CB Standing Committees





Authorship for papers in CMS

What we do?

List of authors

- Each journal paper
- Important for M&O-A (~ 15MChf / year)

New authors

- After 1 year in CMS
- After approval of 6 months of EPR work

Exceptions

- Upon request authors can be added for specific papers

Internal notes

- No rules other than common sense for Analysis Notes

Individual papers

- Rules for review and individual articles
- Also outreach articles

Rules for publications by individual members: <https://cms-docdb.cern.ch/cgi-bin/DocDB/ShowDocument?docid=12238>



cms-icms-secr-ab@cern.ch



Conference presentations for CMS

What we do?

CINCO

- Key CMS tool
- Upload proceedings and talk for review

Hypernews

- Nominations can be made following the announcements

Speaker selection

- Equal opportunities
- Use of a “rank” as a tool in the selection

Posters

- Many conferences allow posters

Rehearsal

- Presentations of the highest quality are requested

Latest on definition “rank” : <https://indico.cern.ch/event/326210/session/3/contribution/15/material/slides/0.pdf>



cms-conf@cern.ch



CMS Schools Committee

What we do?

Training

- Many skills to perform our research program
- Facilitate engagement

Data Analysis

- 10 school so far
- Korea in Aug 2015

Upgrade – [link](#)

- DESY 17-22 Nov 2014
- Limited space!

Software – [link](#)

- FNAL 4-8 Aug 2014
- Not CMS specific
- Limited space!

PAT/CRAB tutorials

- Popular TWiki, [link](#)
- Regular but limited space!



Sudhir Malik and Boaz Klima (co-chairs of committee): malik@fnal.gov and klima@fnal.gov



CMS Career Committee

What we do?

Career path

- Numerous options
- Portfolio of skills

Alumni

- LinkedIn network

Panel discussions

- How to apply for job?
- How to write a CV?

Stimulate Awards

- Thesis, Industry, Lifetime, Named Lectures, ...

Information sessions

- Ex-CMS members talk about their career path outside academics

Link to events: <https://indico.cern.ch/category/4432/>

Link to awards: <http://cms.web.cern.ch/content/cms-awards>



cms-career-committee@cern.ch



Skills of an experimental particle physicist

a snap-shot of the diversity





CMS Young Scientists Committee

What is the YSC?

Young !?

- Definition is flexible
- Students, post-docs, non-tenured researchers...
- ~1500 young researchers

Committee

- Value diversity in nationality/career stage
- Nomination by the young community

Connections

- To SP and CB Chair
- Participate in CB meetings

Monthly meetings

- Raise and discuss topics relevant for the younger CMS members

**They value your opinion
and are open to
volunteers**



cms-young-scientist-committee@cern.ch



CMS Communication Group

What we do?

Education

- CMS public data, visualisation and analysis, masterclass

Events

- Exhibitions, art at CMS, visits to CMS, Open Days

Printed material

- Brochures, factsheets, posters

Online

- Public website, blog, social media, hangouts with CERN

Support the collaboration

Coordination with CERN

- Coordination of the media visits with CERN Press Office, exchange of information with CERN communications team and other LHC experiments



CMS Communication Group

Who we are?

- See our faces at: <https://cms.web.cern.ch/org/communications-group>

How **we** could help you?

- We can help you to find information about CMS for your public talks, etc.

How **you** could help us?

- Contact us if you are enthusiastic about outreach. We would love to hear about your activities.



cms-communications-team@cern.ch

Weekly open Communication Meetings: <https://indico.cern.ch/category/277/>

CMS Code of Conduct

Strengthen the collaboration

Individual actions

- Inform the relevant committees about invitations

Communications

- Guidelines for communication via blogs, press & public

Information

- Show only approved material outside the collaboration

Violations

- Actions from Spokesperson and Group Leader

Read this !



<https://cms-docdb.cern.ch/cgi-bin/DocDB/ShowDocument?docid=2595>



CERN Code of Conduct: <http://hr-info.web.cern.ch/hr-info/coc/>



Welcome in the CMS Collaboration

Also your experiment

Your research

- Unique settings to perform wonderful research

Your engagement

- Need all your efforts for a successful research program

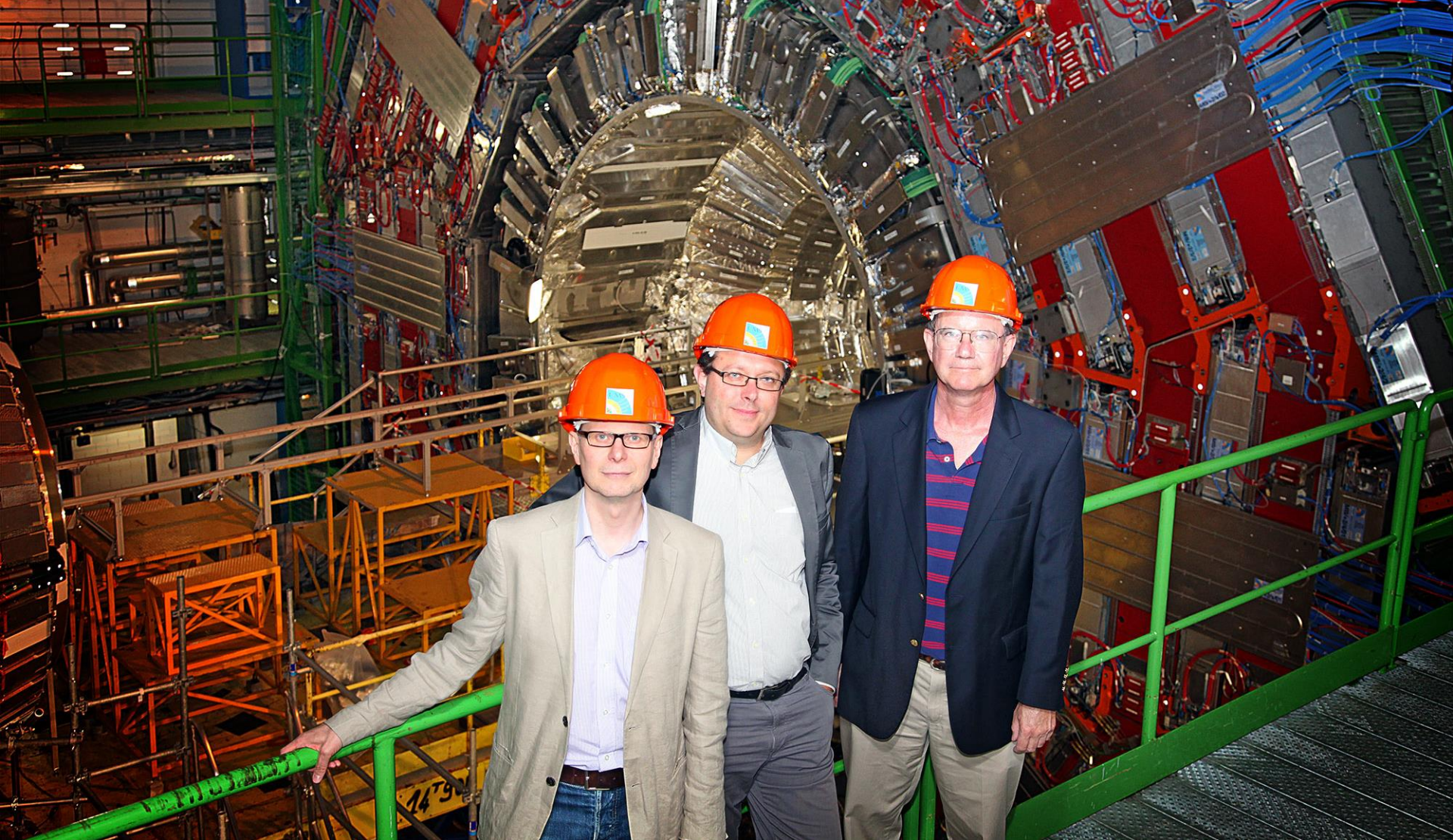
Your career

- Ample opportunities to train your skills as a researcher

Your responsibility

- Rules and guidelines to strengthen the collaboration

All the best !



main office: 42-3-031



July 10th, 2015

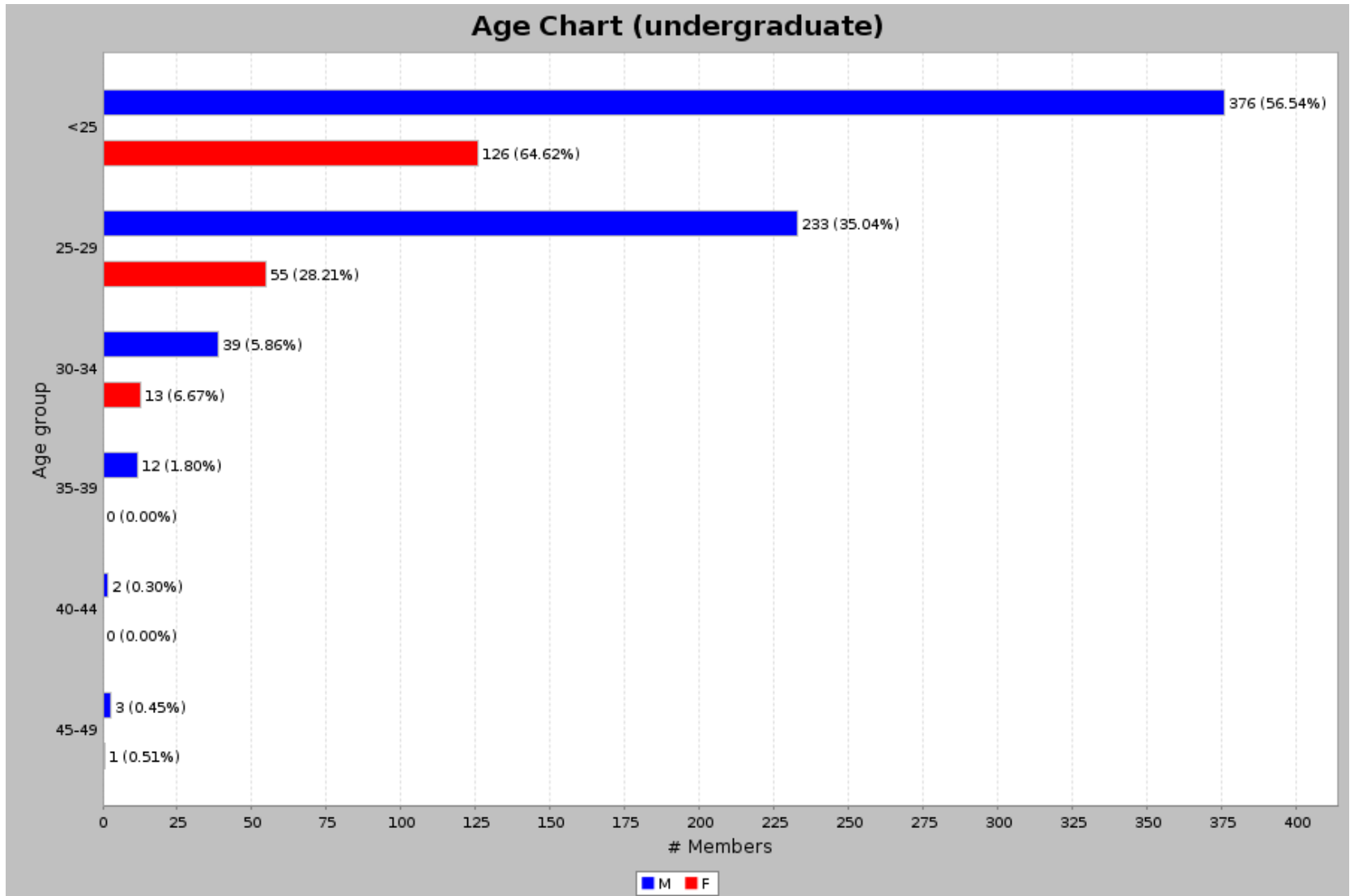
cms-cbchairteam@cern.ch



Some extra's ...

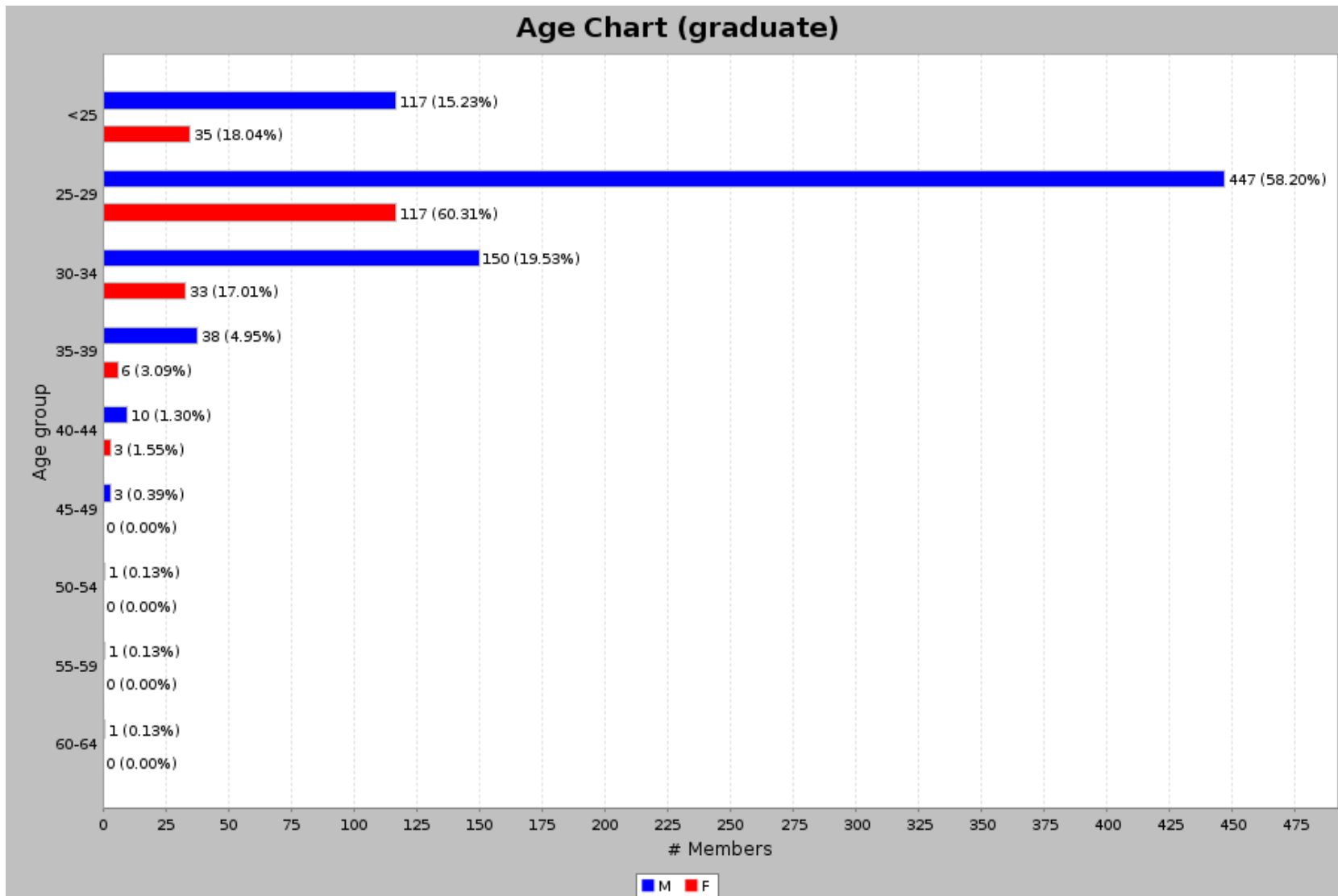


The CMS Collaboration – age





The CMS Collaboration – age





Collaboration Board Chairperson

Jorgen D'Hondt

Professor Vrije Universiteit Brussel (VUB), co-director of the Inter-university Institute for High Energies (IIHE)

In CMS since 2003 starting with vertexing and tracker construction.

Group leader of the VUB in CMS. Responsibility for the construction of the TK Si modules. (Co-)Leading many VUB analysis activities in the TOP, B2G, SUS,... and POG groups

Other key contributions in organization:

- 2007-2008: convener of the TOP group
- 2013-2014: co-chair of the Career Committee
- 2013-2014: secretary of the CB
- Chair of the International Committee

Membership of CB, MB, FB, XEB, Search Committee, TK IB+FB, TK Phase-2 Upgrade Steering Committee

ARC activities (chair of several ARC's)

Before CMS, member of the DELPHI collaboration.





Collaboration Board Deputy Chairperson

Günther Dissertori

Full Professor ETH Zurich, Head of the Institute for Particle Physics

First CMS activities in 1997, since 2001 full-time in CMS.

Main responsible for the design, construction, operation of the ECAL detector control system. Co-leading many ETH analysis activities in the HIG, SUS, SMP, TOP,... Groups

Other past/current management/coordination roles:

- 2007-2008: convener of the JetMET group
- 2010-2011: Deputy physics coordinator
- Swiss regional representative
- Chair person of the ECAL IB+FB

Membership of CB, CB advisory group, CB reflection group, CB international committee, MB, FB, XEB (during 2010-2011), Search Committee, ECAL IB+FB + ECAL Steering Committee, SMP Pubcom

ARC activities

Before CMS, member of the ALEPH collaboration.





Secretary of the Collaboration Board

Nick Hadley

Full Professor, University of Maryland, College Park, USA
Principle Investigator: Maryland Experimental High Energy Physics Group

Joined CMS in mid-1990's, since 2007 full-time in CMS.

HCAL operation and Commissioning, HCAL Upgrades Phase 1 and Phase 2, Missing Et studies (along with postdocs and students). Top and SUSY physics, principal author of 2011 top l+jets without b tagging paper.

Other past/current management/coordination roles:
- US regional representative (term ends June 2014)

Membership of CB, CB reflection group, MB, Search Committee

ARC activities

Before CMS: member of the D0 experiment at Fermilab, D0 CB Chair, D0 Physics Coordinator.



CMS Communication Group



Main office: 42-R-21



[cms-communications-
team@cern.ch](mailto:cms-communications-team@cern.ch)



+41 22 76 71607
inside CERN: 71607