



LHCb Collaboration map

## 1482 collaborators

 1011 authors 88 institutions 19 countries

Fraction of women and men in each geographical region (CMC= Central Europe, Mediterranean, and the Caucasus)


Fraction of women and men in each employment category

- Above average fraction of women among Early students, Ph.D. students and postdocs


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Fraction of people in each employment category who are women

- Increasing trend for Ph.D. students
- Fraction of early students and Ph.D. students has increased over time from $\sim 20 \%$ to $\sim 28 \%$
- Flat trend for scientists

Fraction of women and men by responsibility


Fraction of women and men by responsibility

- Above average fraction of women for EB, PWG (physics working group), PAG (physics analysis group) conveners and first level coordinators (technical, physics, EB and CC chair)

Number and fraction of women and men by age

- Above average fraction of women for ATLAS members aged between 20 and 40


Number and fraction of women and men by geographical region (authors)


## AT AS <br> EXPERIMENT

Fraction of women by responsibility

- Above average fraction of women for Physics and
Performance
Subgroup, Publication
Com. members and
Speakers Com.
members


Yearly Female Member Fraction from 2015 to July 2019 by Current CMS Region


RDMS: Russia and Dubna member states
Other CERN members: Austria, Belgium, Bulgaria, Finland, Greece, Hungary, Poland, Portugal, Serbia, Spain Other States A: China, India, Iran, Korea, Malaysia, New Zealand, Pakistan, Sri Lanka Other States B: Bahrain, Brazil, Colombia, Croatia, Cyprus, Ecuador, Egypt, Estonia, Ireland, Kuwait, Lebanon, Lithuania, Mexico, Montenegro, Oman, Qatar, Saudi Arabia, Turkey, Ukraine

PAG/POG positions (2007-2020)

PAG/POG Gender 2007-2020


POG: Physics Object Group
PAG: Physics Analysis Group


Fraction of women and men by country


Fraction of women and men by employment category


Members database contains active LHCb members and their corresponding job titles.
Fraction above average for Ph.D. students and other employment categories. Fraction below average for engineers and technicians.

## LHCb: percentage of women vs year



Increasing trend for Ph.D. students and seniors. Decreasing trend for postdocs.

Fraction of women and men by responsibility


Fraction of women and men by responsibility type

- Above average fraction of women for Physics Analysis Working Group convener, Physics Performance Working Group convener, and coordinators.


## Conclusion

- The four LHC experiments diverse in terms of collaboration size and geographical regions
- Percentage of women around $20 \%$ for all the four experiments
- Increasing trend of women percentage for students for ALICE and LHCb
- Higher fraction of women than average in physics analysis and performance groups for ALICE, ATLAS and LHCb
- Many diversity related activities in all the experiments. For more details, see plenary talk "Report on Diversity, Inclusion and Outreach activities at LHC" by Brajesh Choudhary on Monday 7 June

