ATLAS EXPERIMENT

Evolution of Regional, Age and Gender Demographics in the ATLAS Collaboration
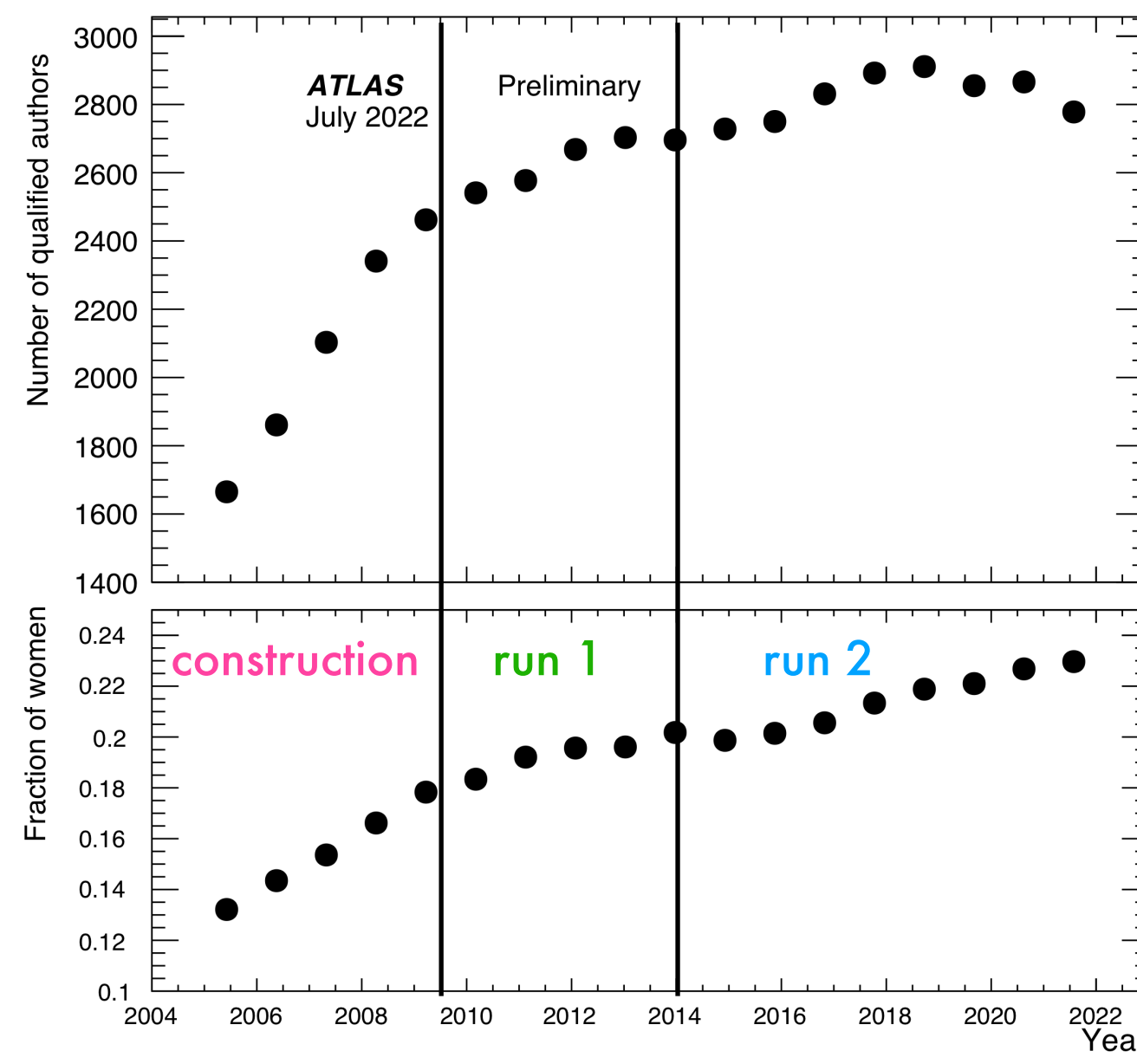
Heather M. Gray on behalf of the ATLAS Collaboration

Berkeley — UNIVERSITY OF CALIFORNIA — BERKELEY LAB

ATLAS Collaboration
182 institutions (249 institutes) from 42 countries

ATLAS Collaboration member nationalities
Over 5900 members of 103 nationalities

Basic Characteristics
- >5900 members
- 2907 authors
- 23% women

Chile, China, Colombia, Czech Republic, Denmark, France, Georgia, Germany, Greece, Israel, Italy, Japan, Mongolia, Morocco
Serbia, Slovakia, Slovenia, South Africa, Spain, Sweden, Switzerland, Taiwan, Türkiye, UAE, UK, USA, CERN, JINR

ATLAS Preliminary July 2022

Geographic

182 institutions
>103 nationalities

Italy, Japan, Mongolia, Morocco, UK, USA, CERN, JINR
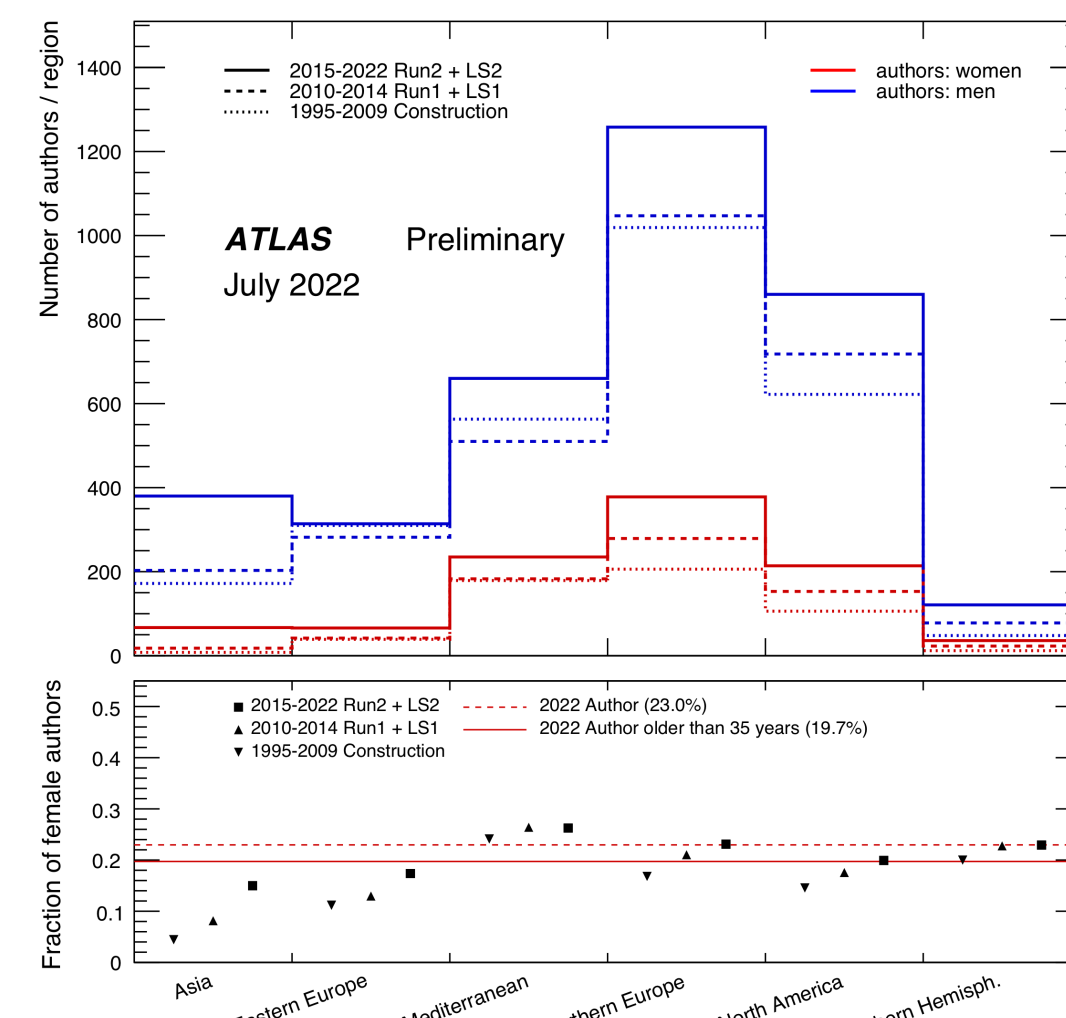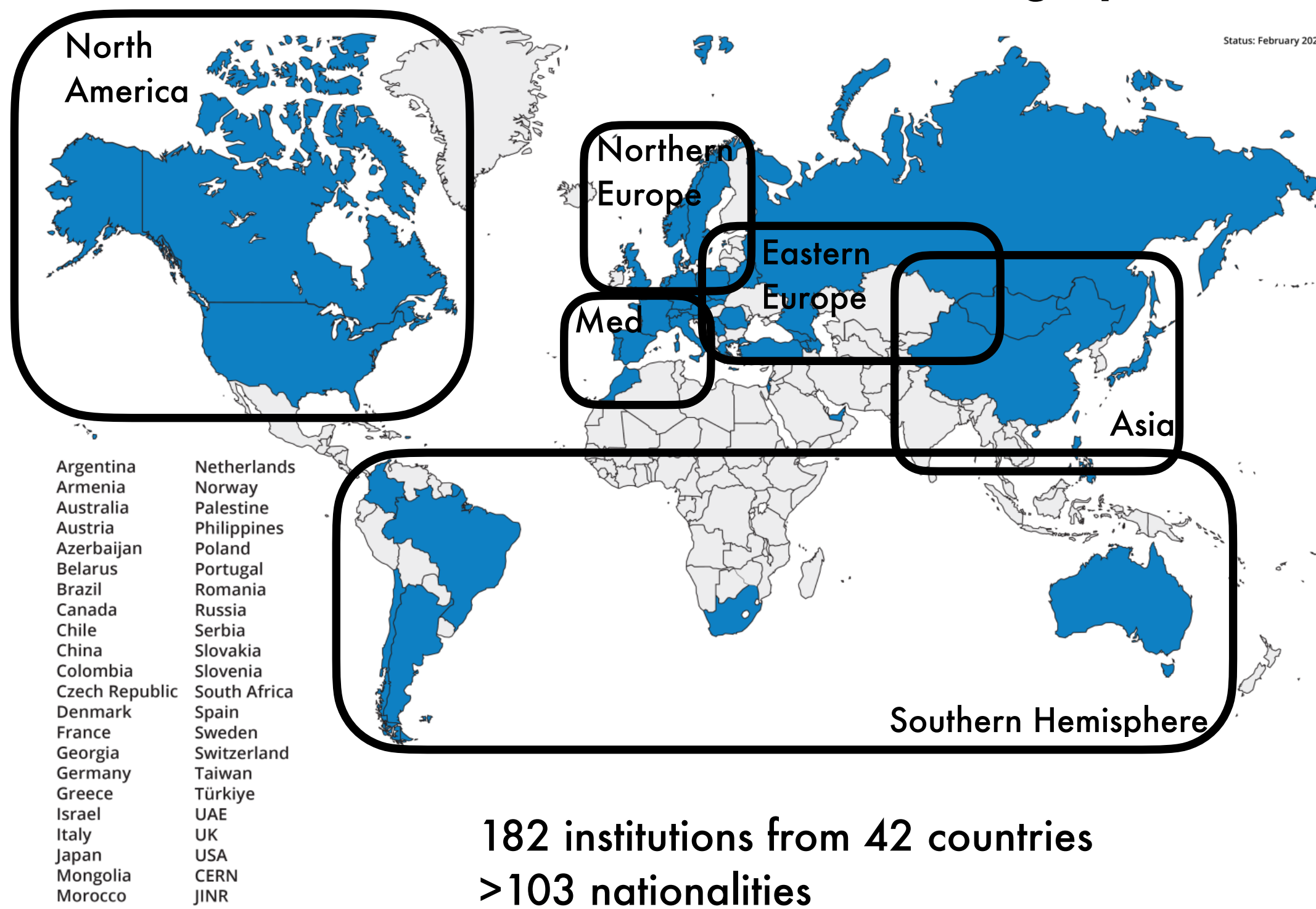
Most authors from Northern Europe,

Collaboration Age

- Average collaboration age during Run 2 is younger than during construction
- Fraction of women increases over time
- Higher fraction of women amongst younger authors
- Higher fraction of women amongst physicists vs engineers

Career Stage

Management Roles

- Fraction of women in management is similar to fraction of women in the collaboration
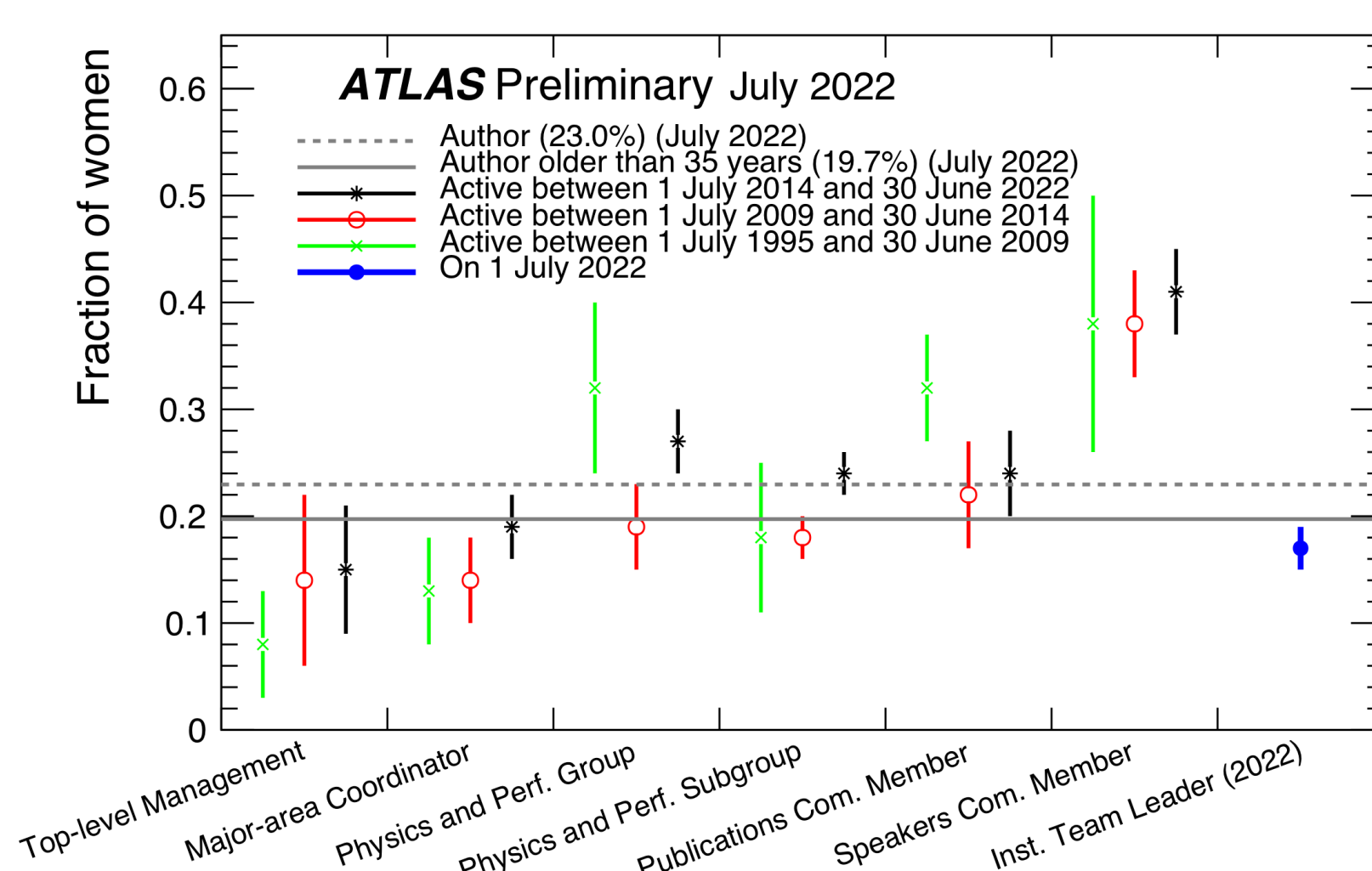- Generally increasing over time

SLAC NATIONAL ACCELERATOR LABORATORY
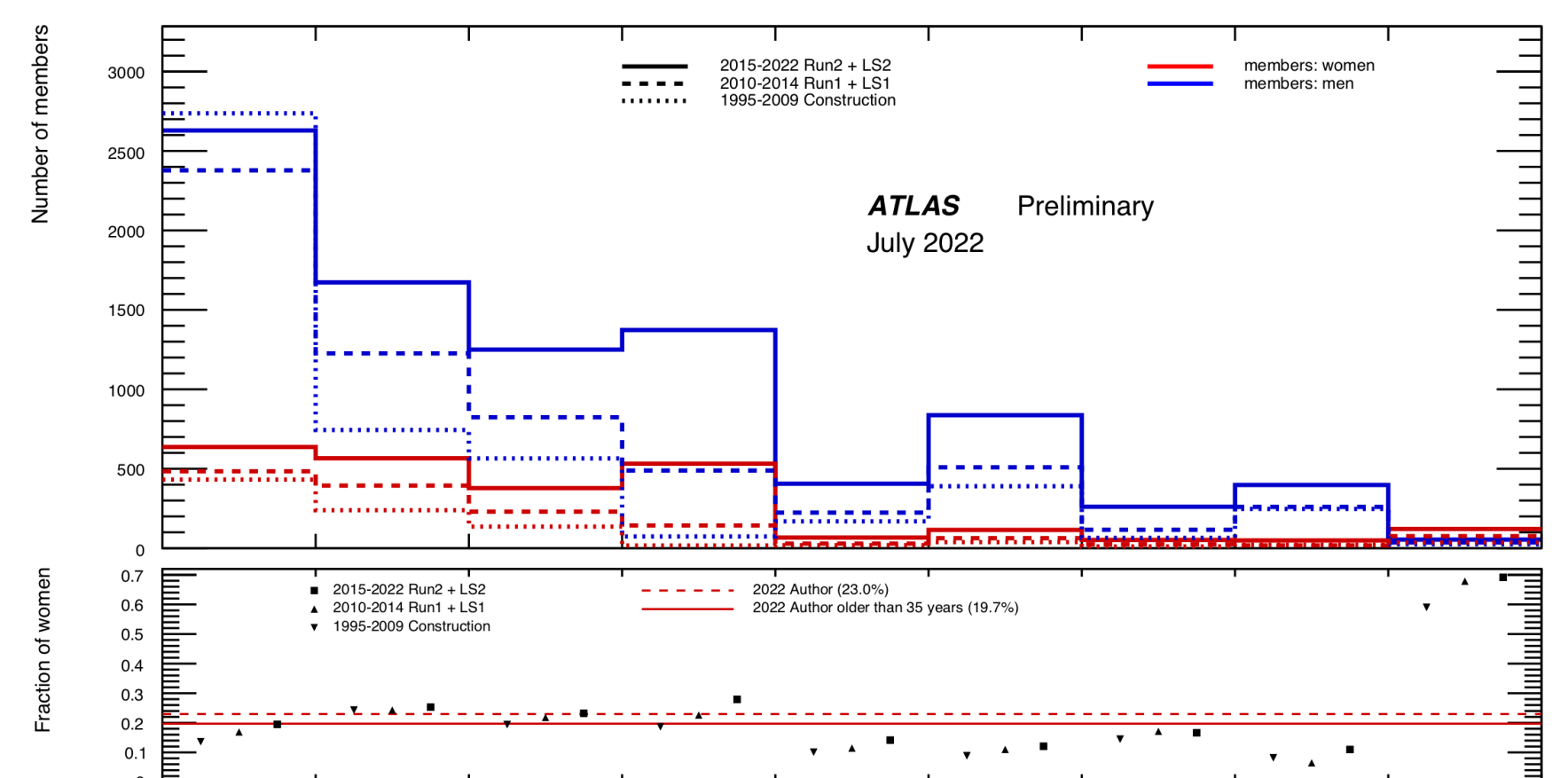
ATLAS Collaboration Week, Lisbon 2022
https://cds.cern.ch/record/2843268

ATLAS Management, 2023
https://atlas.cern/Updates/News/New-Management-Team

ATLAS Induction Day 2019
https://cds.cern.ch/record/2689972

ATLAS July 2022

Legend (charts):
- 2015-2022 Run2 + LS2
- 2010-2014 Run1 + LS1
- 1995-2009 Construction
- members: women / members: men
- authors: women / authors: men
- 2022 Author (23.0%)
- 2022 Author older than 35 years (19.7%)

Career stage categories: Post-doc Phys, Phys PhD Std, Phys M/D Std, Summer Std, Eng PhD, Eng BAMS, Eng Std, Tech, Admin

Management roles: Top-level Management, Major-area Coordinator, Physics and Perf. Group, Physics and Perf. Subgroup, Publications Com. Member, Speakers Com. Member, Inst. Team Leader (2022)

Management legend:
- Author (23.0%) (July 2022)
- Author older than 35 years (19.7%) (July 2022)
- Active between 1 July 2014 and 30 June 2022
- Active between 1 July 2009 and 30 June 2014
- Active between 1 July 1995 and 30 June 2009
- On 1 July 2022