

**WELCOME  
to the**

**IOP**

**Particle Accelerator and Beams Group  
Annual Meeting**

**Dr Melissa Uchida (Chair)**

<https://indico.cern.ch/event/955403/>

<b>Session 1: Chair: Brian McNeil</b>		
10:20 - 10:30	<b>Welcome</b>	Melissa Uchida (PABG Chair - Cambridge)
10:30 - 11:00	<b>How the IOP is Challenging Sexual Harassment in the Workplace</b> (15m+15m discussion)	Paul Hardaker (IOP)
11:00 - 12:00	<b>Panel Session</b> <b>“Challenges and opportunities for the field of accelerators”</b>	Mark Thomson (STFC), Phil Burrows (JAI), Peter Ratoff (Cockroft)
<b>Break 20 minutes</b>		
<b>Session 2: Chair: Melissa Uchida</b>		
12:20 - 12:45	<b>UK-XFEL and FEL Test facilities</b>	Louise Cowie (STFC-ASTeC)
12:45 - 13:10	<b>Structured light from FELs</b>	Jenny Morgan (Strathclyde)
13:10 - 13:25	<b>Presentation of PABG Prize for Outstanding Professional Contribution</b>	Professor Susan Smith (Daresbury Laboratory)
<b>Lunch 13:25 - 14:25 + Virtual Poster Session</b>		

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<b>Session 3: Chair: Melissa Uchida</b>		
14:25 - 14:50	<b>THz Acceleration</b>	Dan Lake (Lancaster)
14:50 - 15:15	<b>Particle-Beam Therapy</b>	<u>Manjit Dosanjh</u> (CERN)
15:15 - 15:40	<b>Magnetrons, <u>thyratrons</u></b>	Dr. David Rowlands
15:40 - 16:00	<b>Discussion</b>	
16:00 - 17:00	<b>Virtual Poster Session + Virtual Reception</b>	



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**ZOOM Breakout rooms**

**assigned by poster title and speaker names**

**Virtual Reception: Informal chatting and mingling – BYO**

- **Please mute** when not talking.
- New questions for the **panel** should be typed in the chat or raise your hand
  - Send by private message to Andy Smith and Brian McNeil if you would like to remain anonymous.
- For **Talks** please save **questions until the end**.
- **Raise your hand to ask a question** and you will be called upon to ask after the talk.
  - if time runs out for questions they can be asked and answered using the chat facility.
- You can dip in and out of the Zoom Breakout rooms to view posters. Speakers please man your posters when you can and share your screen to show the poster.

# Particle Accelerators and Beams

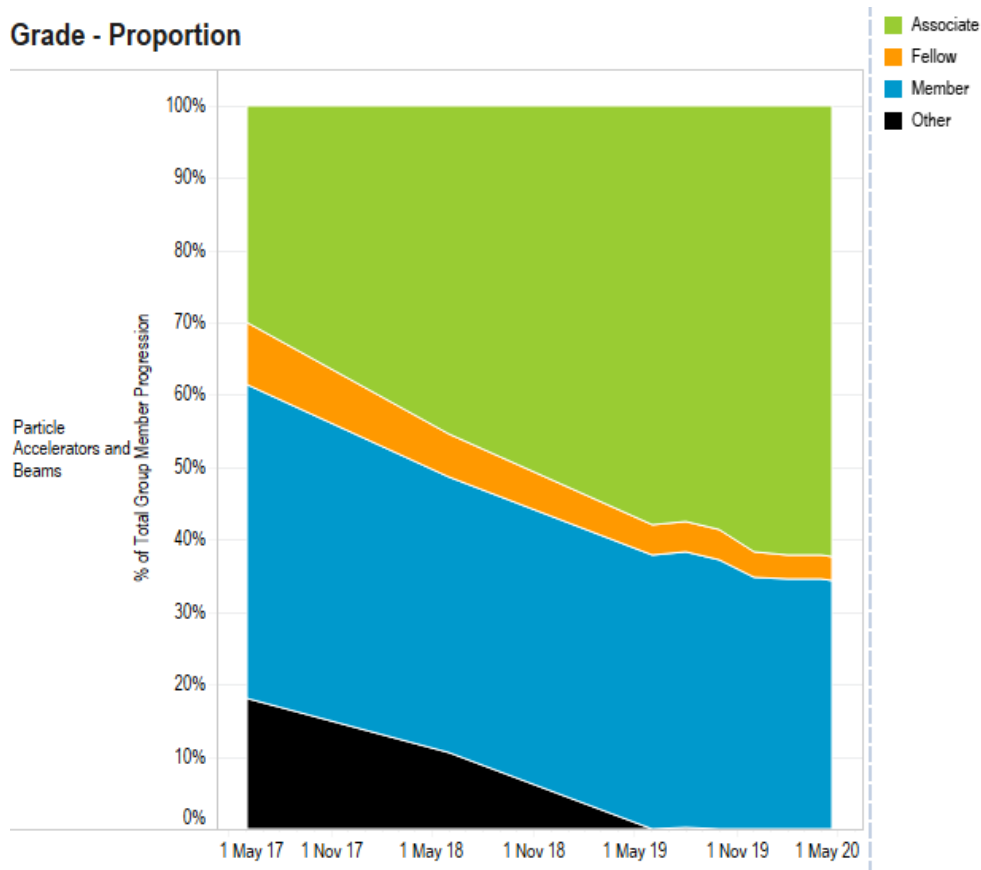
Selected stats, April  
2020

Large increase in proportion of members who are Associates: typical of most groups

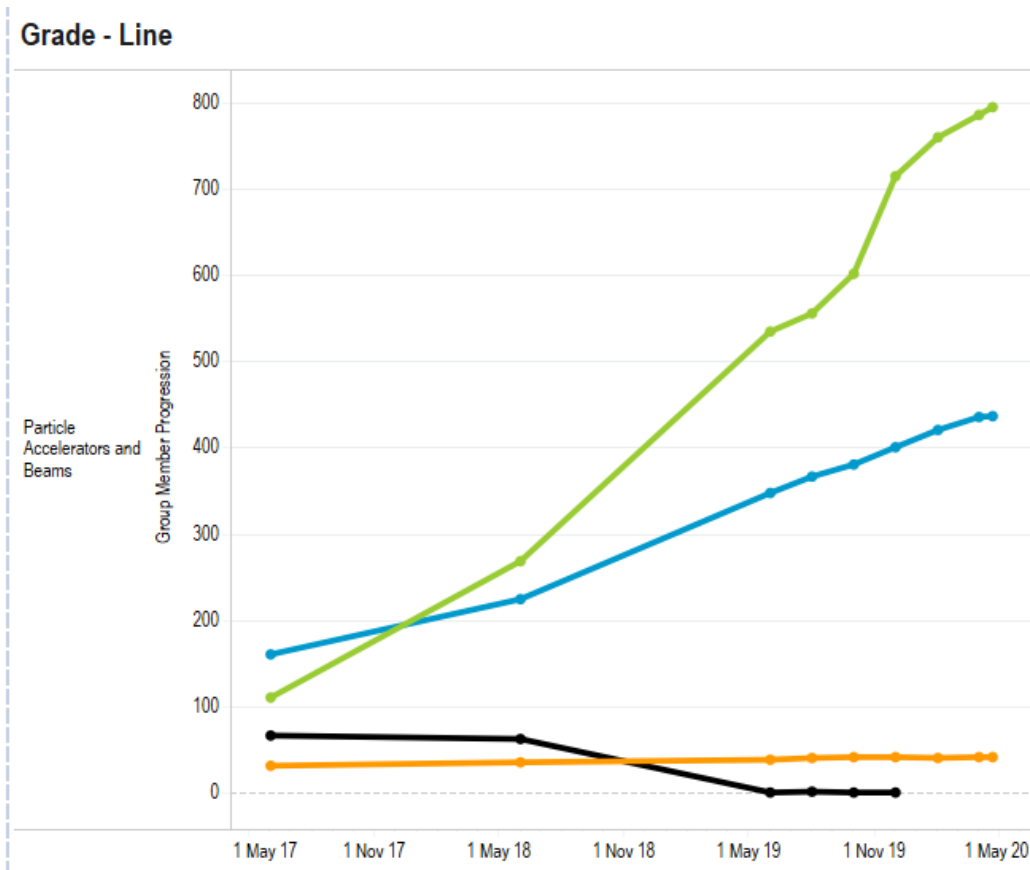
## Current Membership Count

**1270**

Grade - Proportion

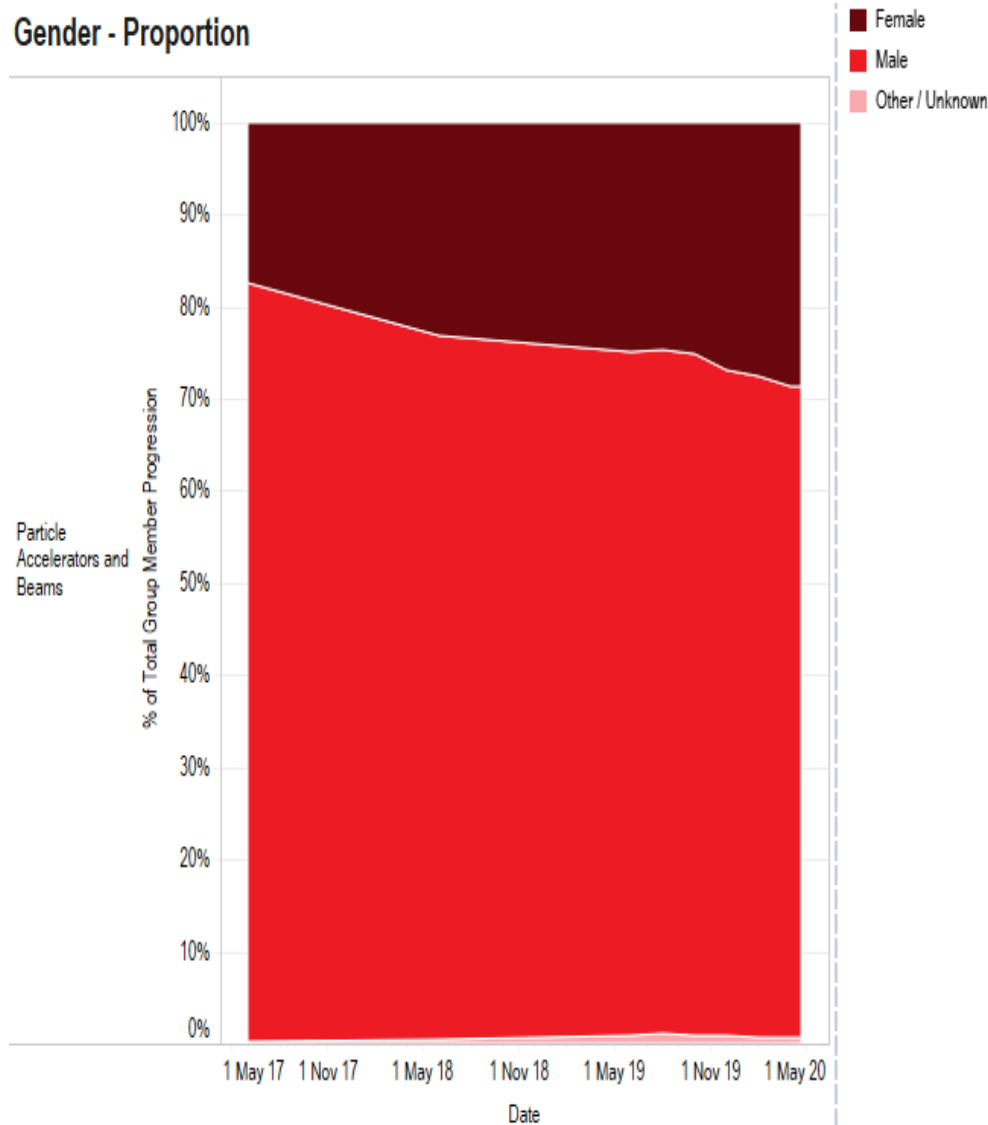


Grade - Line

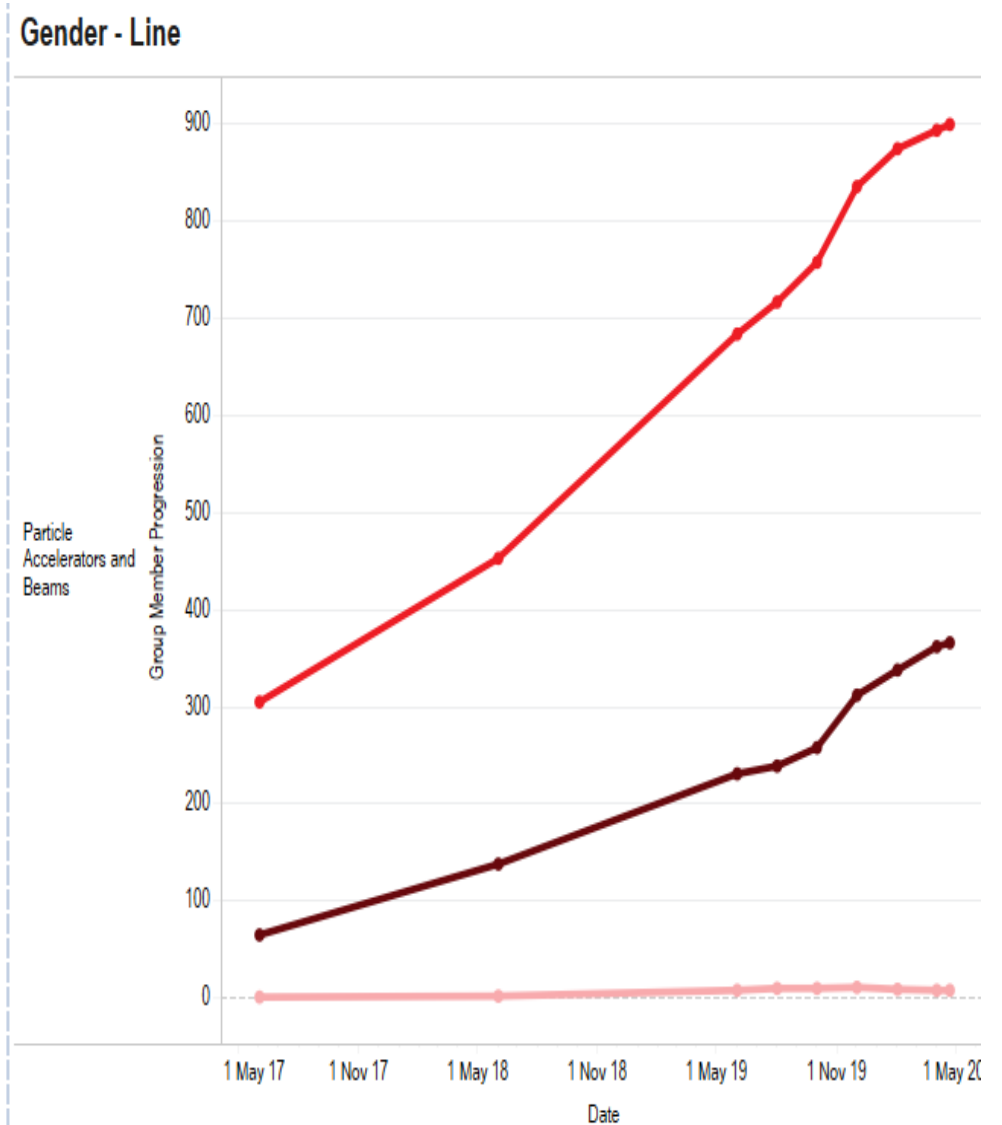


# Increased proportion of members

Gender - Proportion



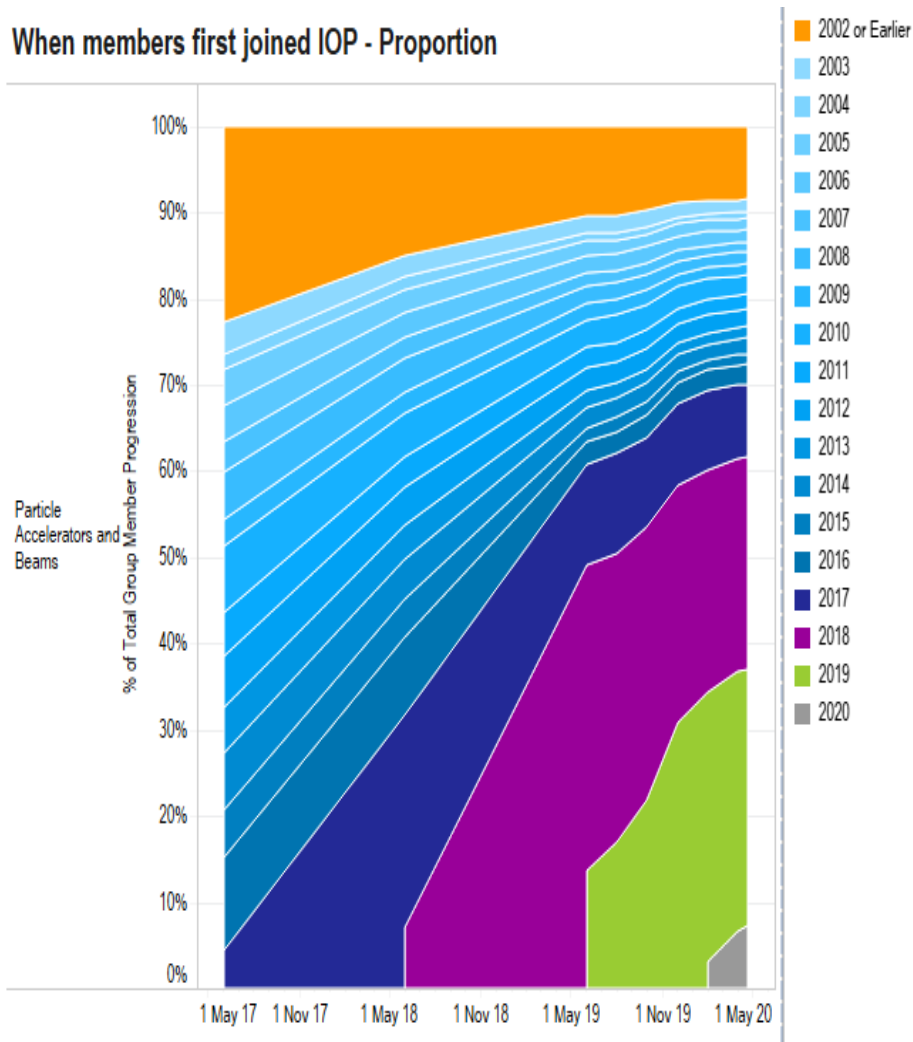
Gender - Line



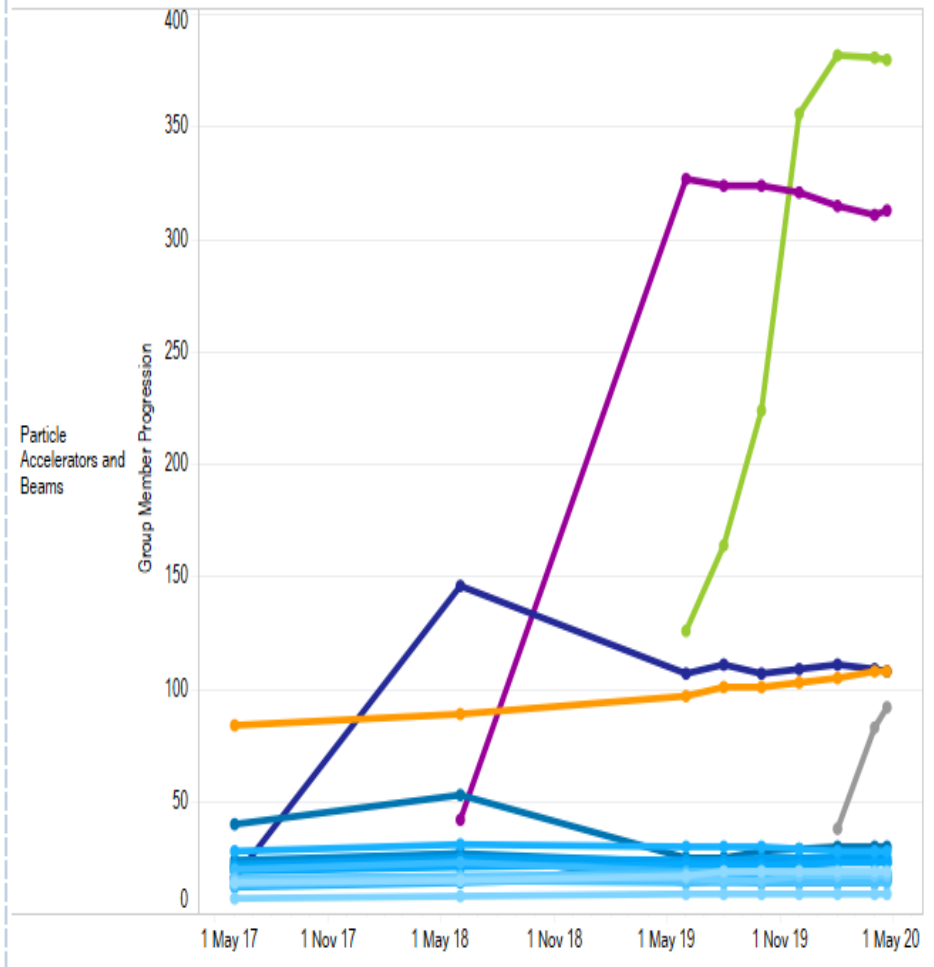


Around 400 of the membership joined the IOP during 2019.  
 Around 100 have been members since 2002 or earlier

When members first joined IOP - Proportion

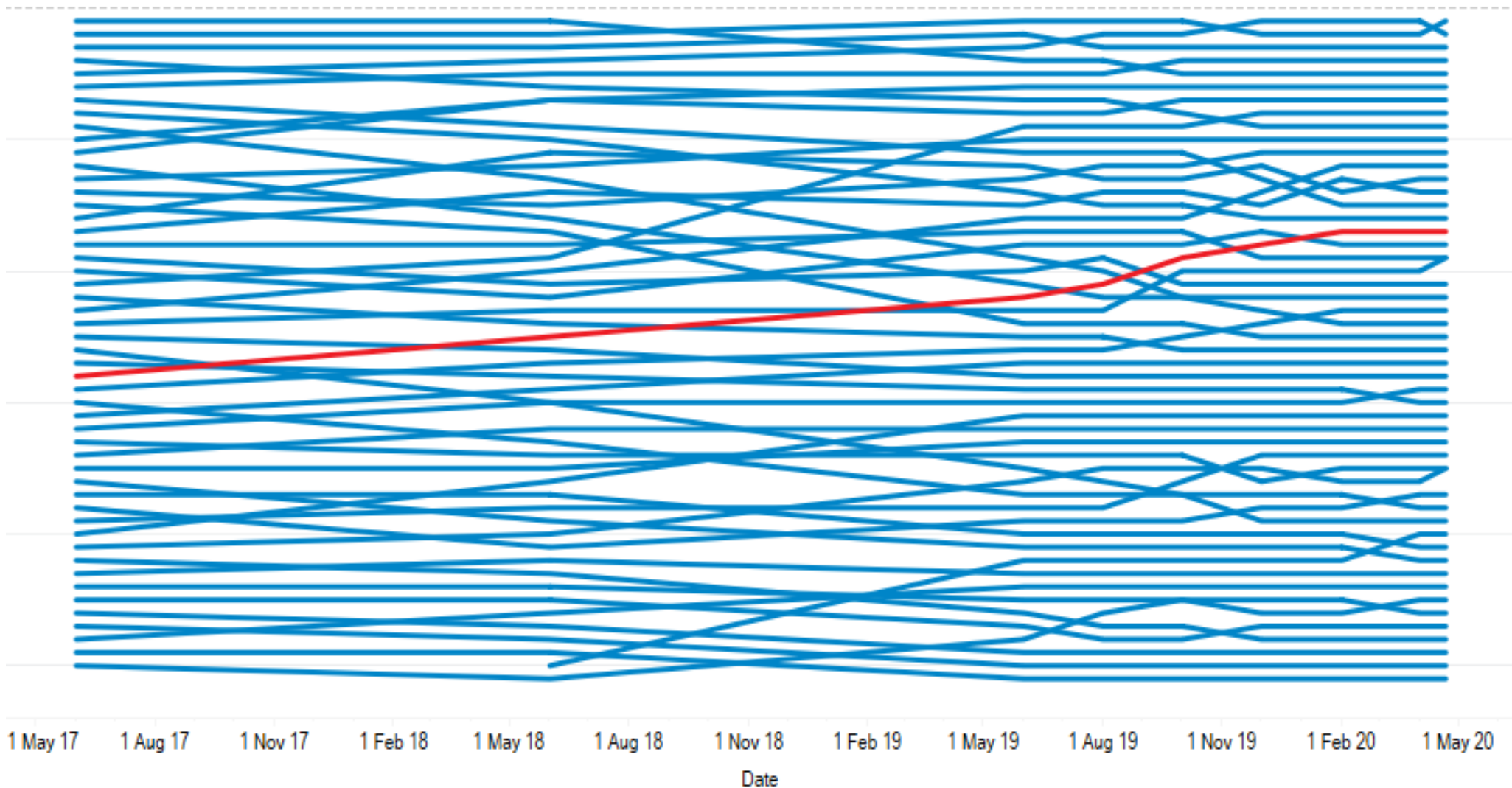


When members first joined IOP - Line

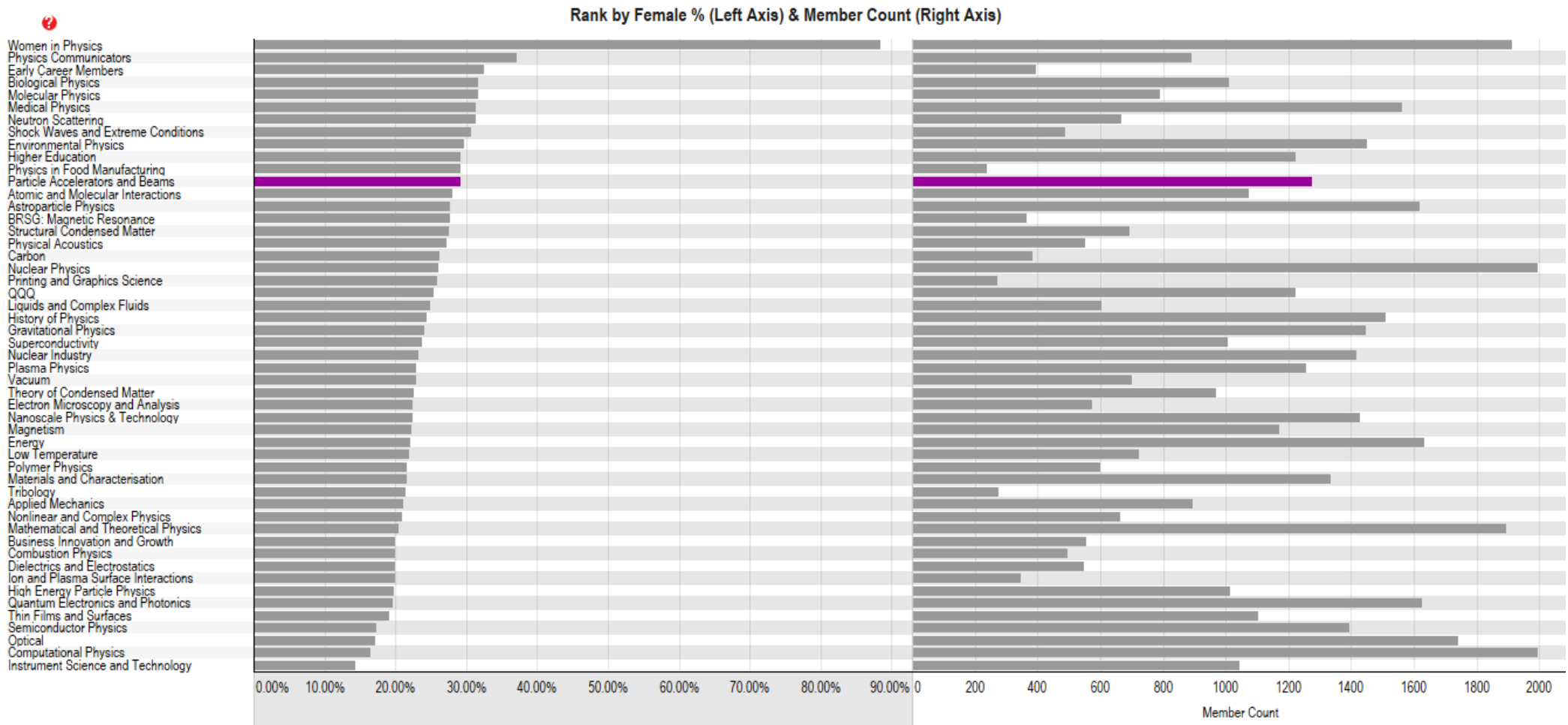


# Now the 17<sup>th</sup>-Largest Group – 28<sup>th</sup> in 2017

Number of Members : Ranking over Time



# 12<sup>th</sup> highest female percentage among the groups



## Brian McNeil

### Chair since 2016

