

International Day of Women and Girls in Science

11 February



Women in Physics

Marie Skłodowska-Curie

1867-1934

- Polish and naturalized-French physicist and chemist
- Conducted pioneering research on radioactivity
- First woman to win a Nobel Prize
- The only person to win twice in multiple sciences
 - 1903: Physics
 - 1911: Chemistry



Women in Physics

Chien-Shiung Wu

1912-1997

- Chinese American experimental physicist
- Worked on the Manhattan Project, where she helped develop the process for separating uranium metal into the uranium-235 and uranium-238 isotopes by gaseous diffusion
- Wu experiment, which contradicted the law of conservation of parity
- 2 colleagues from theory received 1957 Nobel Prize in physics



Women in Physics

Jocelyn Bell-Burnell

- Born 1943
- astrophysicist from Northern Ireland
- discovered the first radio pulsars in 1967 as a postgraduate student
- discovery was recognized by the award of the 1974 Prize in Physics to her thesis supervisor Antony Hewish and to the astronomer Martin Ryle



Women in Physics

Fabiola Gianotti

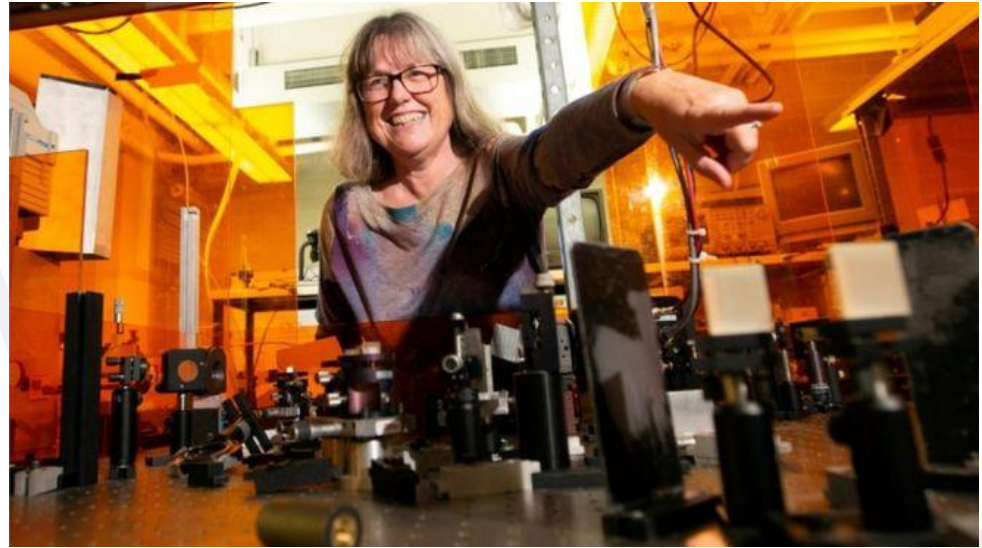
- Born 1960
- Italian particle physicist
- Studied arts and philosophy, then physics
- Elected as the project leader and spokesperson of ATLAS in 2009
- Announced the discovery of the Higgs boson in 2012
- First female DG at CERN



Women in Physics

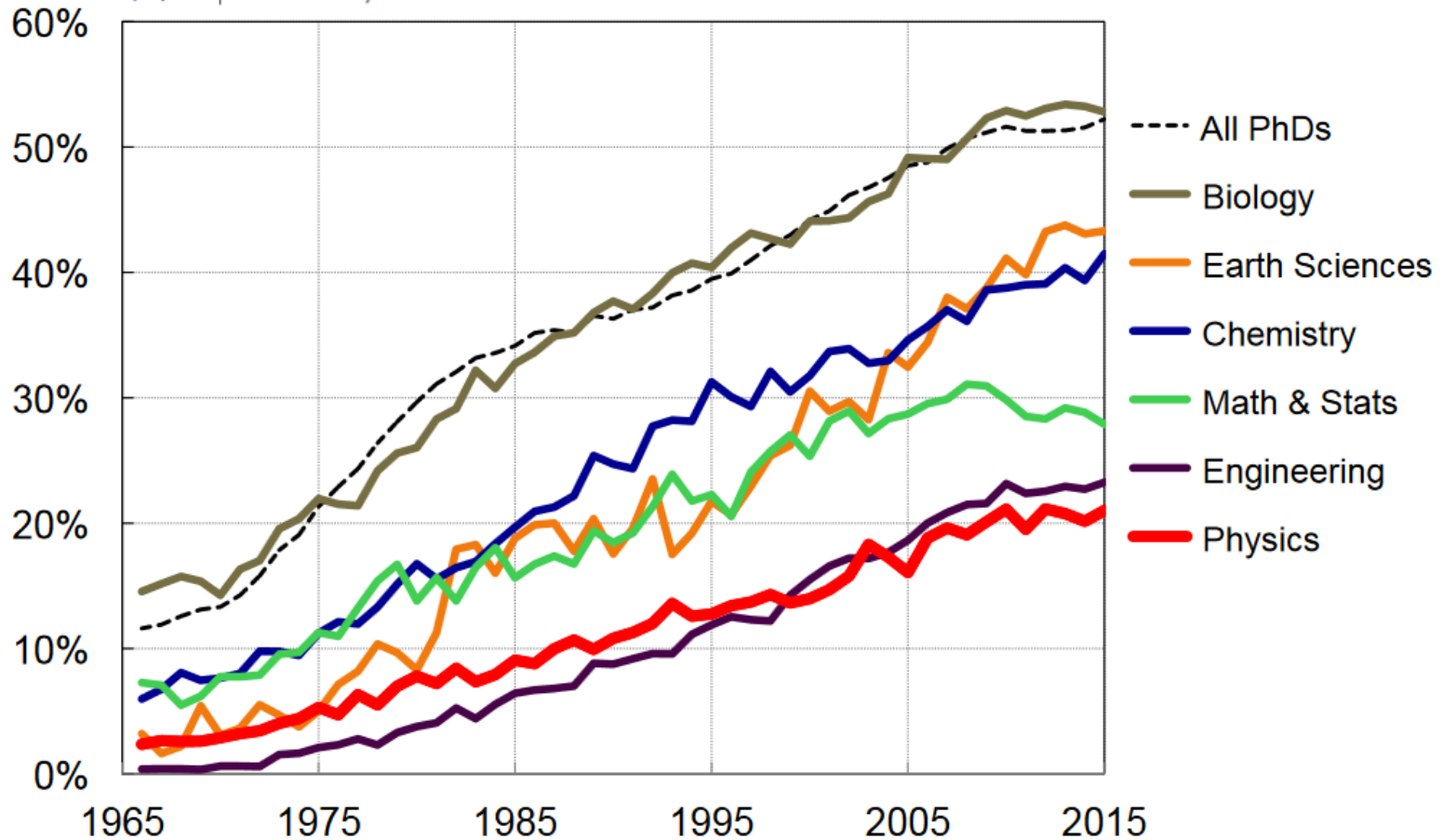
Donna Strickland

- Born 1959
- Canadian physicist
- Noble Prize in Physics 2018, together with Gérard Mourou, for the invention of chirped pulse amplification



STEM Statistics

Doctoral Degrees Earned by Women



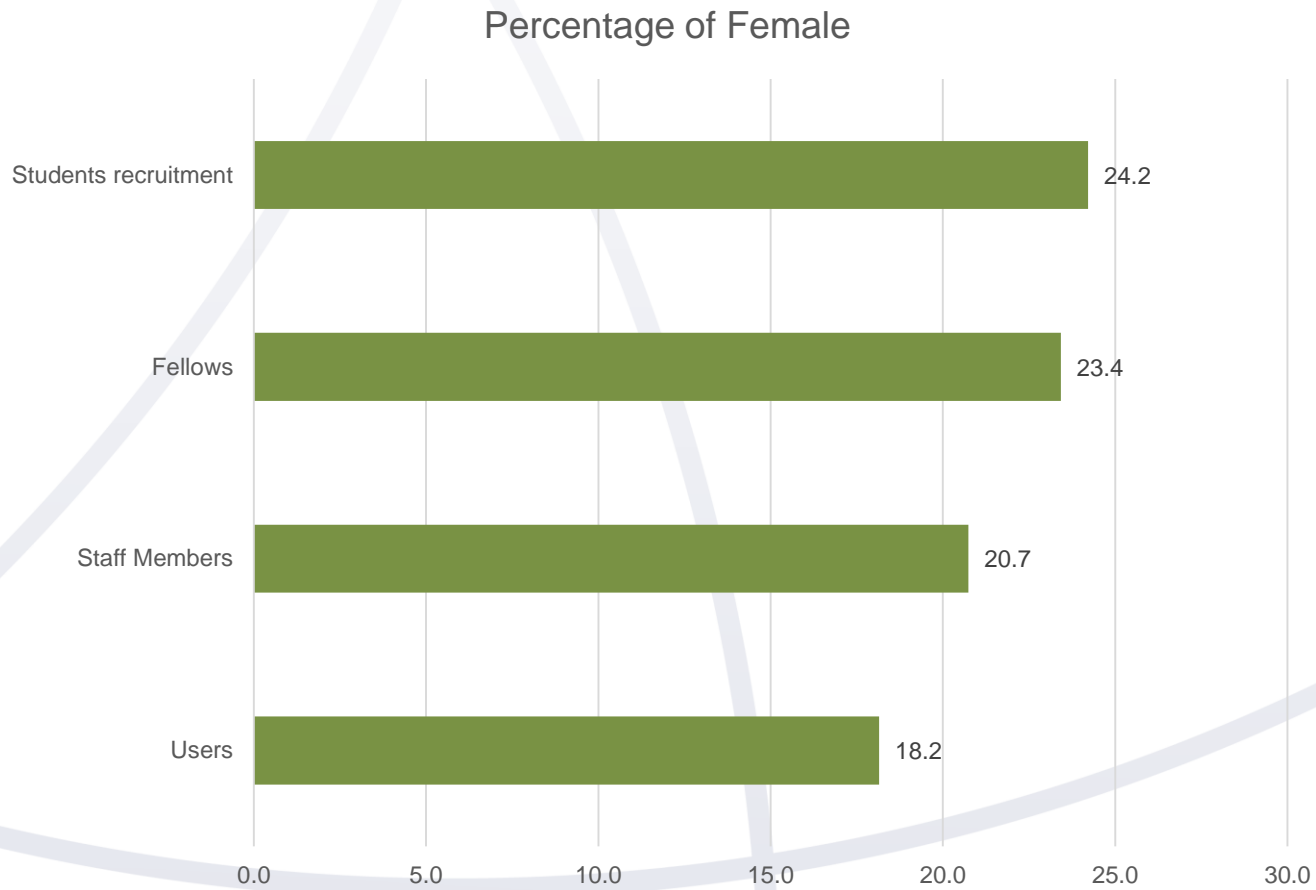
Source: IPEDS and APS

Physics Statistics

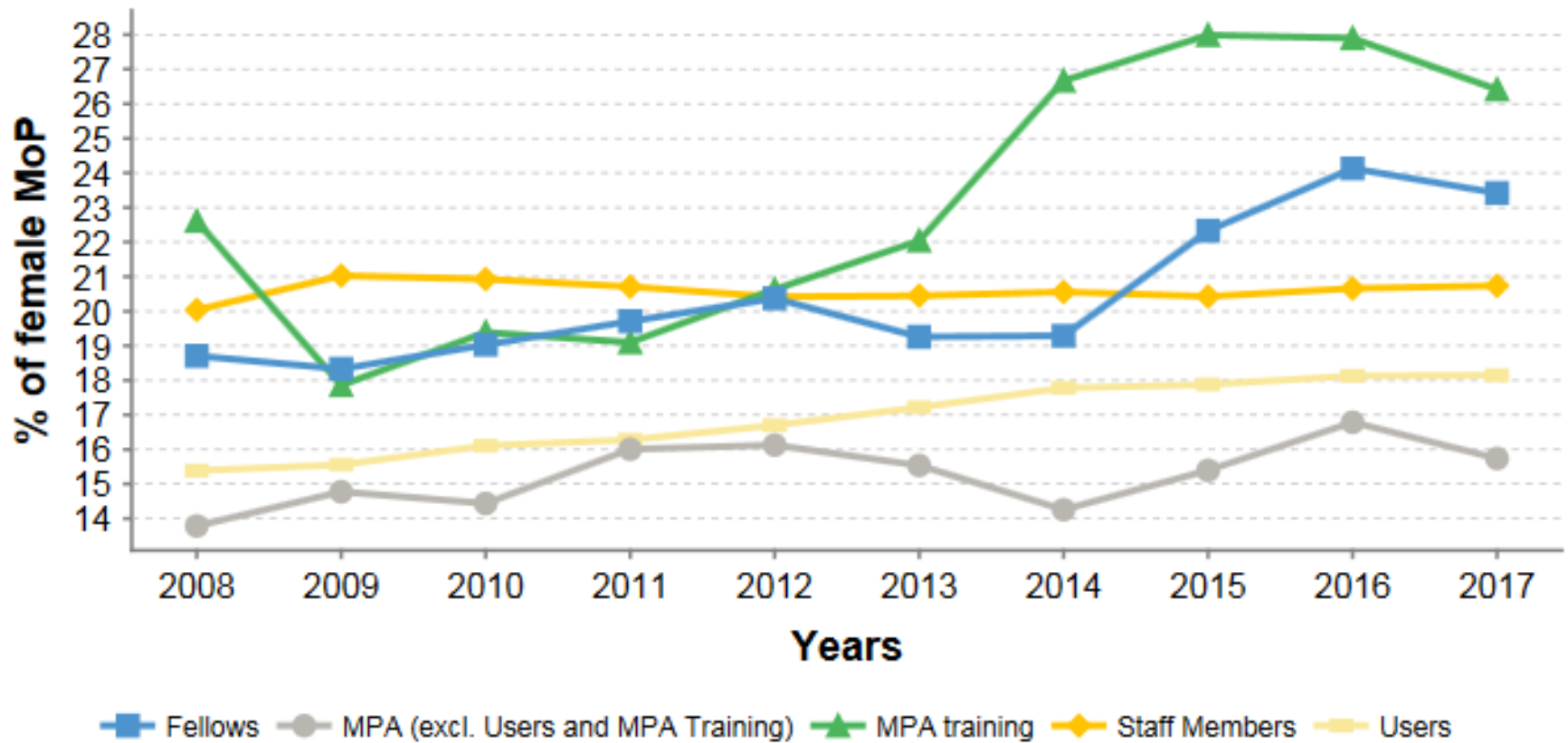
Percent of Physics Bachelors and PhDs Earned by Women, Classes of 1975 through 2016.



CERN Personnel Statistics 2017



Evolution over the last 10 years



Young Women in Physics



Lena, Germany

<https://womeninresearchblog.wordpress.com/2016/06/18/lena-germany/>



Allison, USA

<https://womeninresearchblog.wordpress.com/2016/06/18/allison-usa/>



Zara, Georgia

<https://womeninresearchblog.wordpress.com/2016/08/15/zara-georgia/>



Martha, Colombia

<https://womeninresearchblog.wordpress.com/2016/06/18/martha-colombia/>

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