

Women in Physics: Why so few? Why so slow?



What is the mystery?

Why should we care?

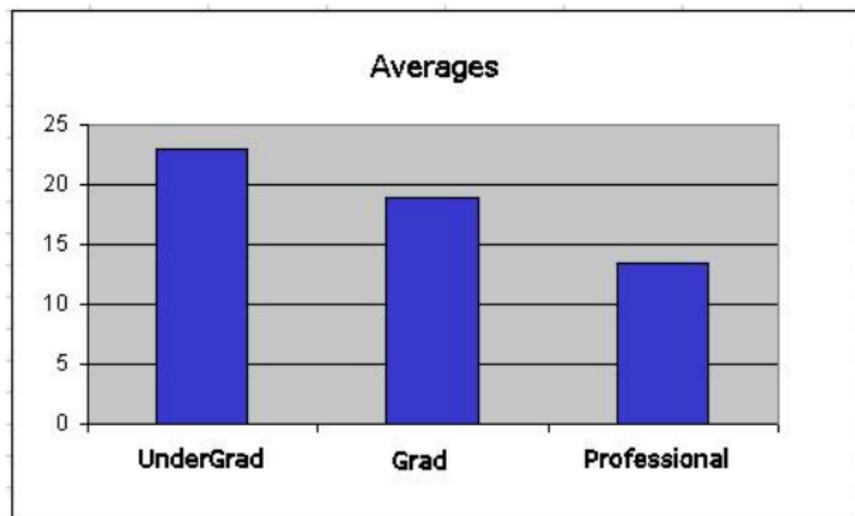
What are the clues?

Is this a question of time?

What should we do?

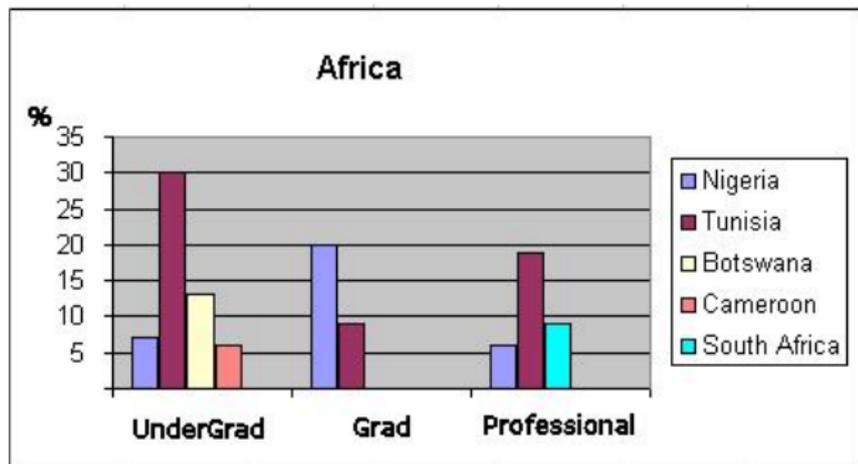
What is the mystery?

IUPAP Working Group on Women in Physics, 2002



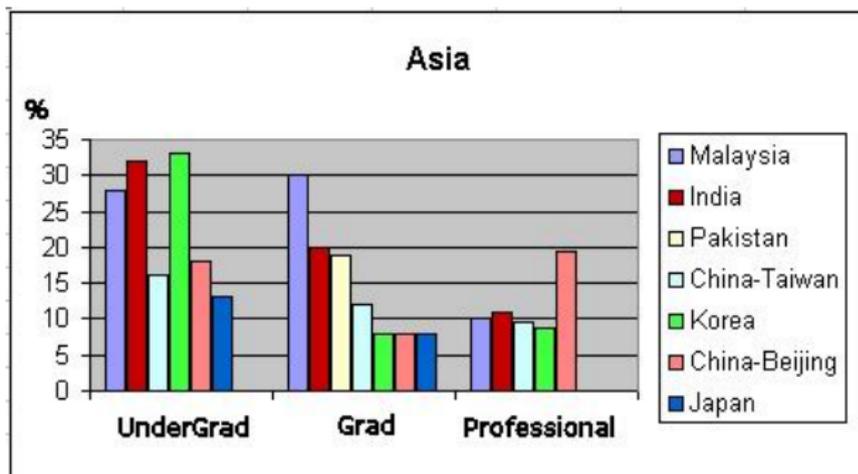
Women in Physics in Africa

IUPAP Working Group on Women in Physics, 2002



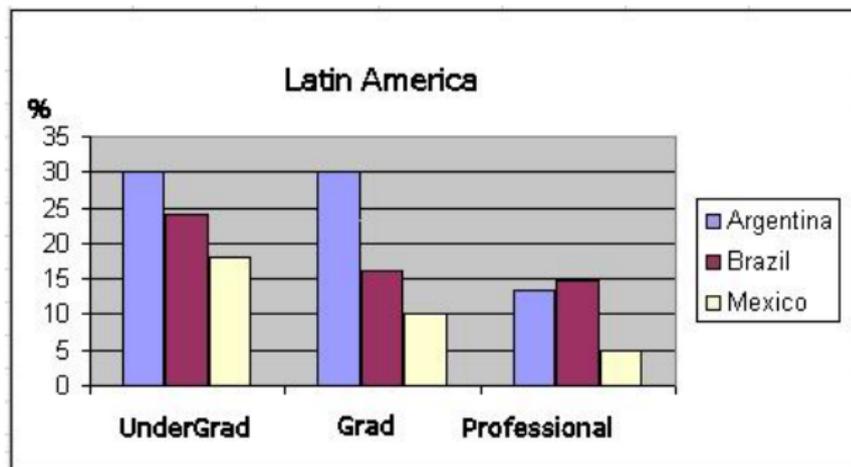
Women in Physics in Asia

IUPAP Working Group on Women in Physics, 2002



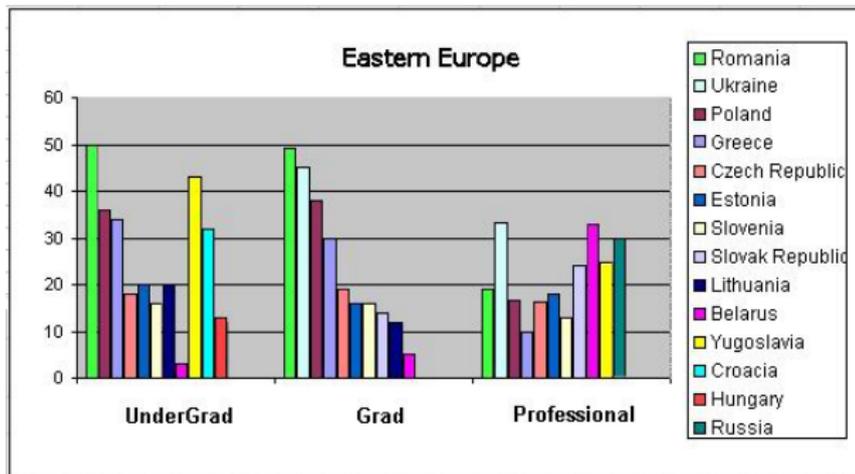
Women in Physics in Latin America

IUPAP Working Group on Women in Physics, 2002



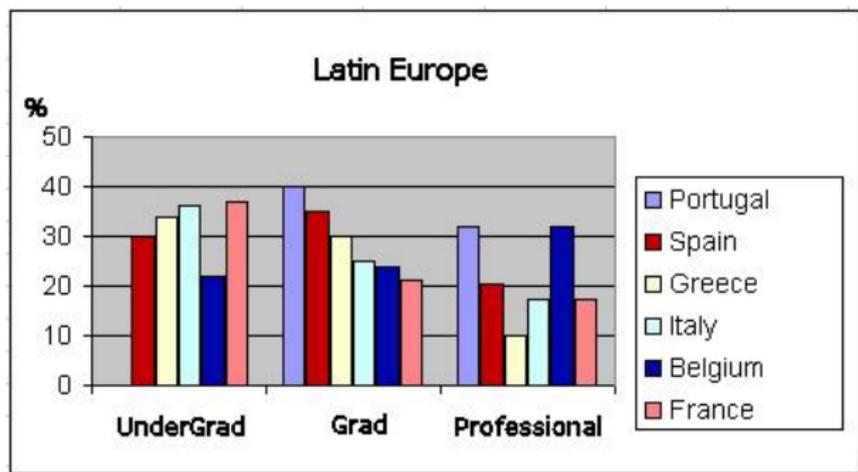
Women in Physics in Eastern Europe

IUPAP Working Group on Women in Physics, 2002



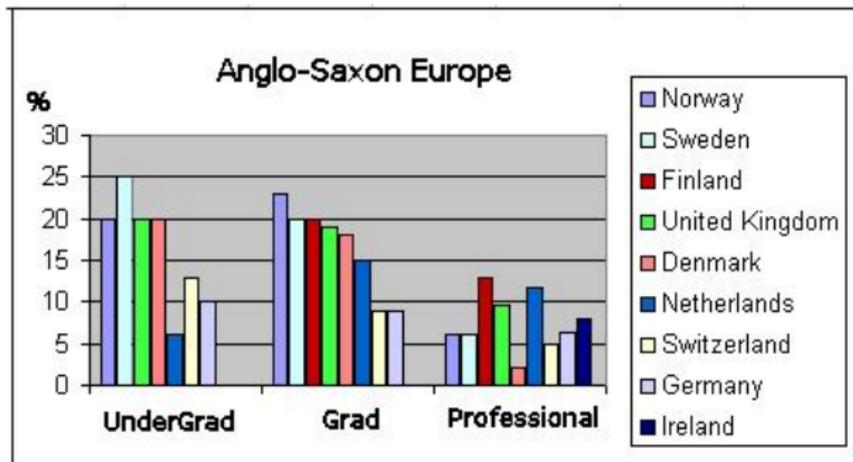
Women in Physics in Latin Europe

IUPAP Working Group on Women in Physics, 2002



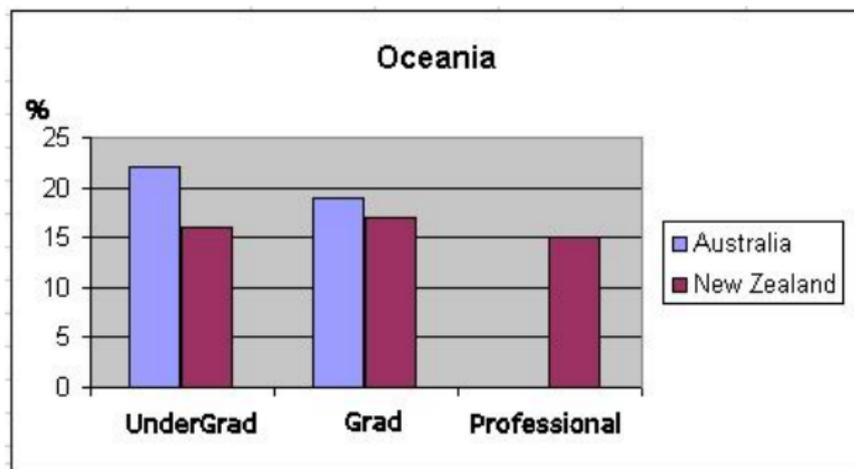
Women in Physics in Anglo Saxon Europe

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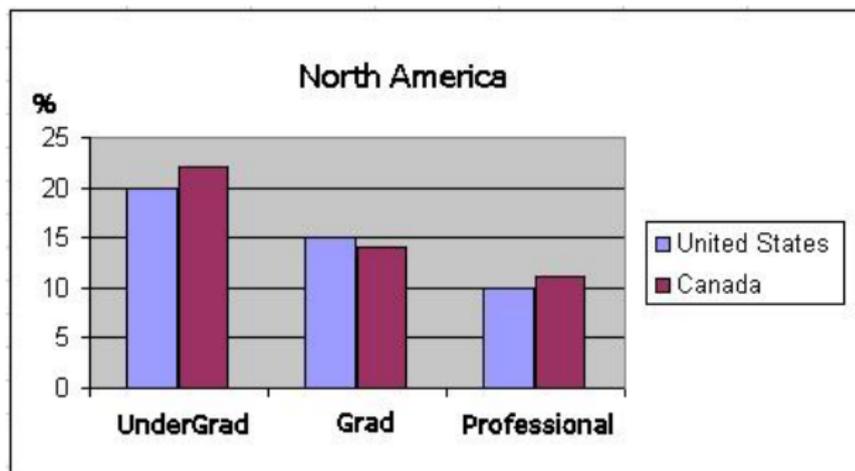
Women in Physics in Oceania

IUPAP Working Group on Women in Physics, 2002



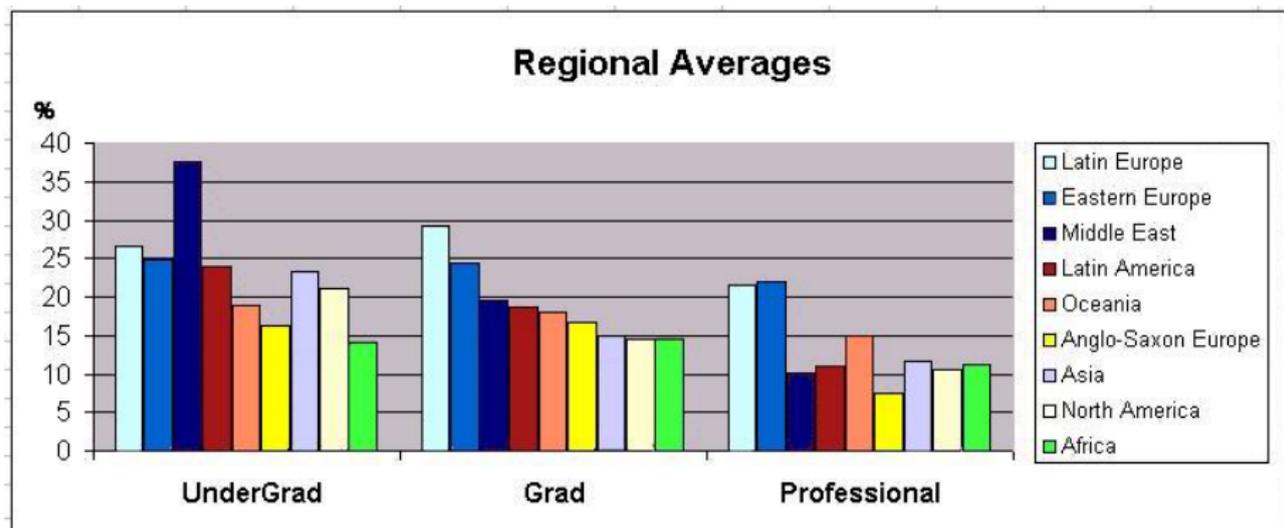
Women in Physics in North America

IUPAP Working Group on Women in Physics, 2002



Regional Average

IUPAP Working Group on Women in Physics, 2002



Why should we care?

- ▶ Women are good for physics
- ▶ Physics are good for women
- ▶ Society needs women in physics

What are the clues?

- ▶ Stereotypes - Physicists are not social
- ▶ Historical Reasons - Lack of Role Models
- ▶ Requires - Travel, After hours work, Agressivity

- ▶ Are women interested in exact sciences?
- ▶ Are women good in exact sciences?
- ▶ **It is a question of time?**

Scientists are nerds



Female Scientists are nerds



Women are not good in Science

Hipatia(ca. 351-370)



Marie Curie (1867-1934)



Agnes Pockels (1862-1935)



Lise Meitner (1878-1968)



Mary Cartwright (1900-1998)



Maria Mayer (1906-1972)



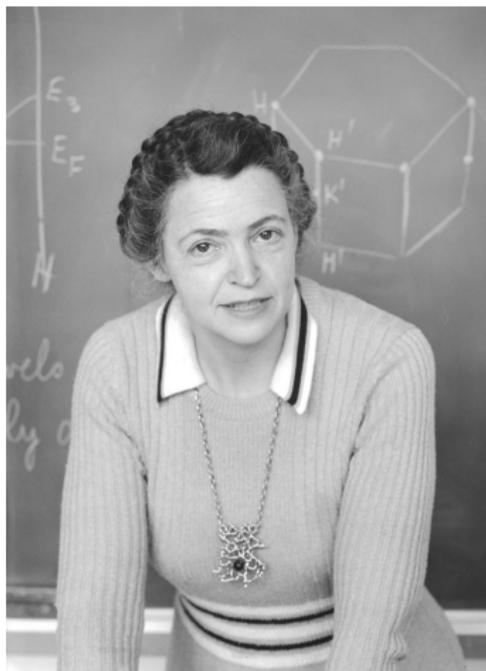
Rosalyn Sussman Yallow(1921-2011)



Sau Lan Wu (1947-)



Mildred Dresselhaus (1930-)

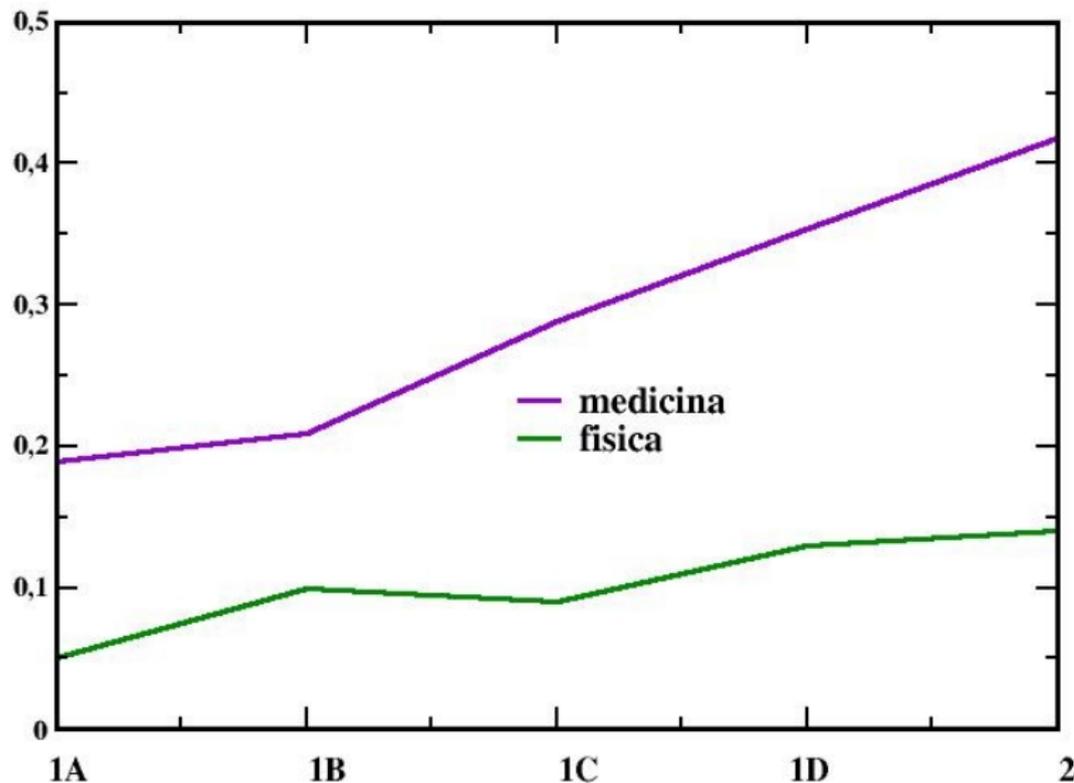


Reiko Kuroda (1947-)

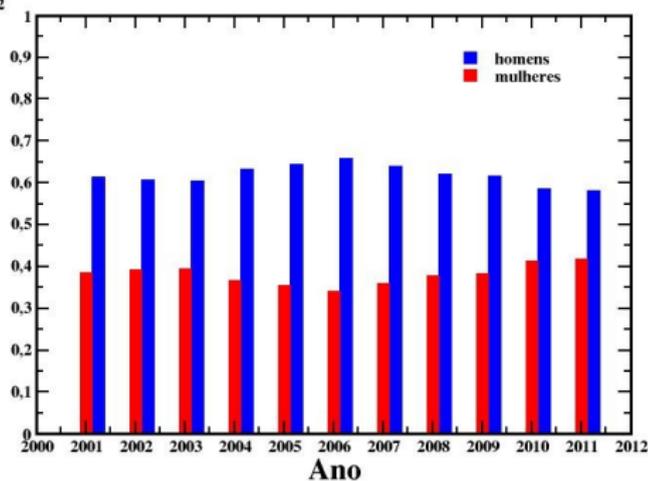
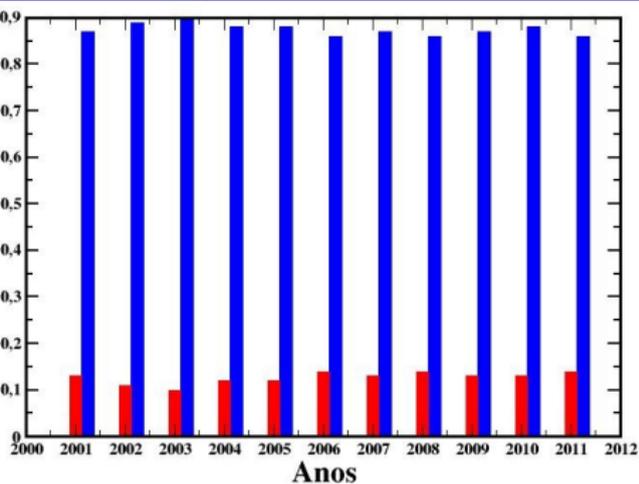


Women in Physics vs Medicine - Brazil

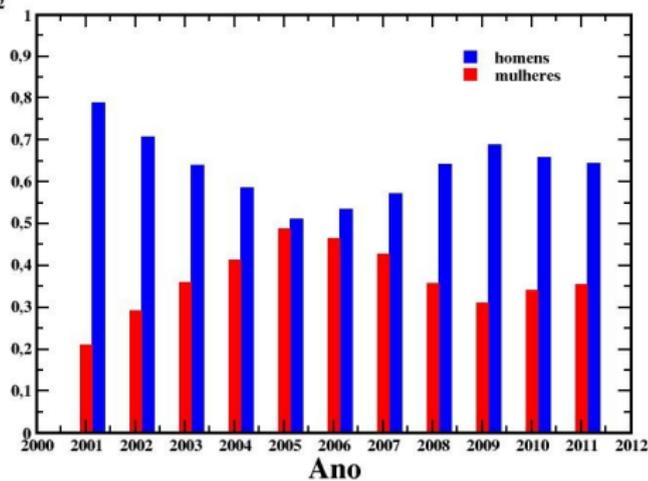
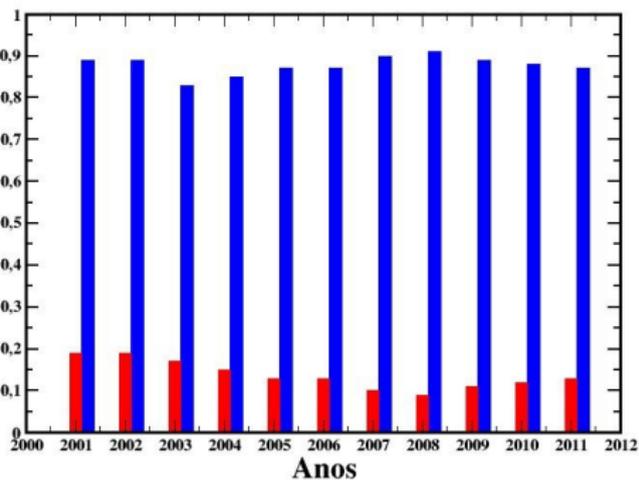
Betina Lima, MCB, In: Trabalho e Gênero, 2013



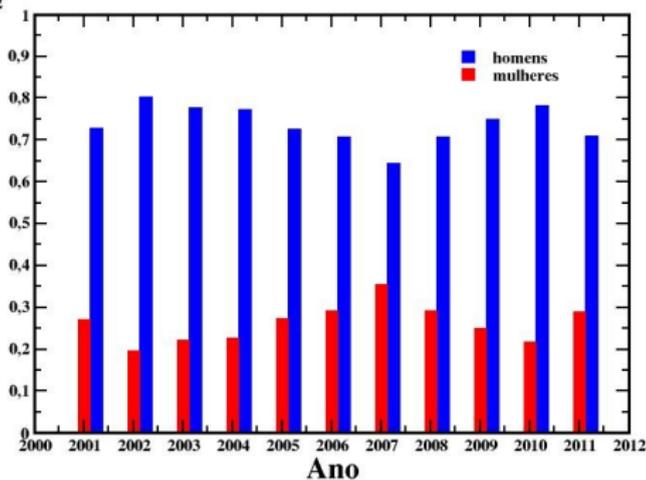
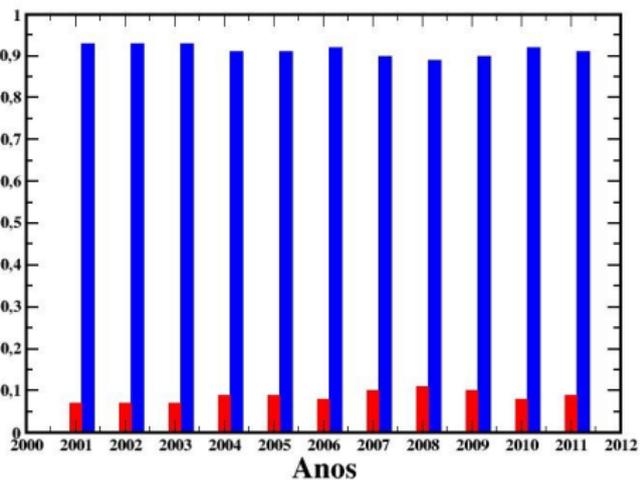
Women in Physics - Lower 2



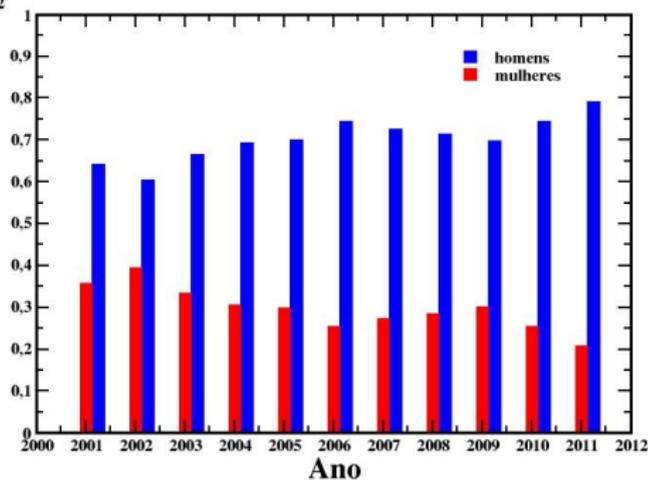
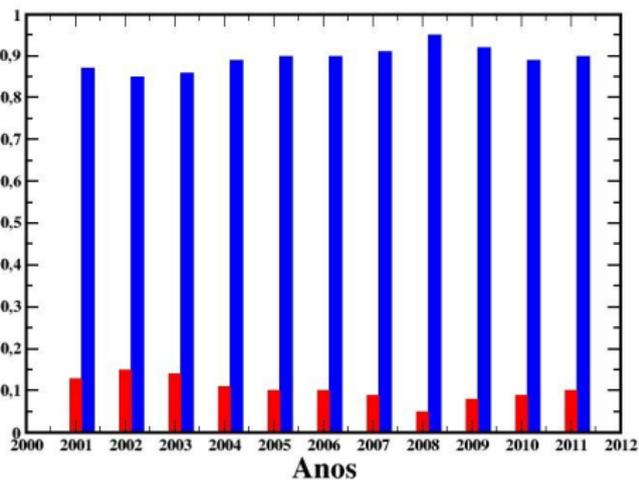
Women in Physics - Level 1D



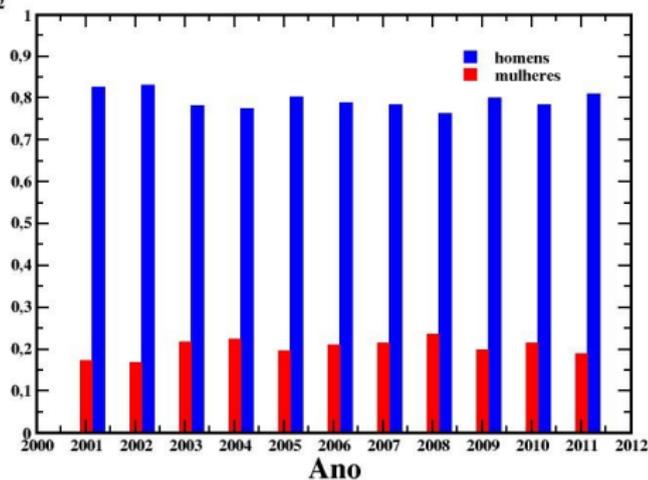
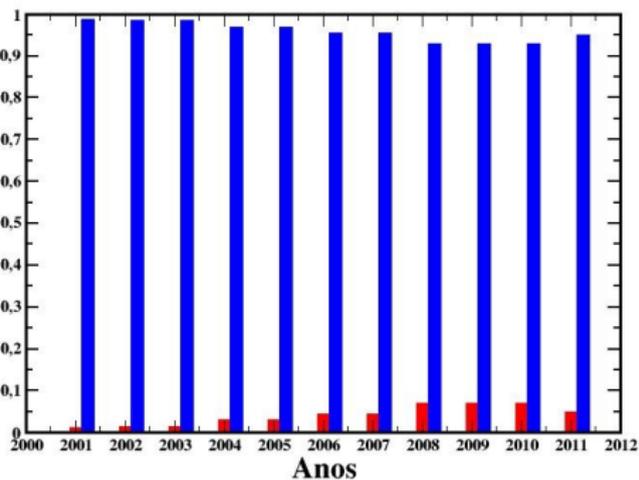
Women in Physics - Level 1C



Women in Physics - Level 1B



Women in Physics - Level 1A



What to do? IUPAP 2002



What to do?

Ciência Mulher 2004



What to do?

IUPAP 2005



What should we do?

- ▶ **Work together with colleagues**
- ▶ **Network**
- ▶ **Identify the Barriers and change them.**