



Françoise Muelhauser

BIO

Françoise Muelhauser, Safeguards Inspector at the Safeguards Department, is a Vice President of the WiN IAEA Chapter. Françoise has a Ph.D. in Atomic, Molecular and Nuclear Experimental Physics from the University of Fribourg, Switzerland. She spent more than two decades doing research at accelerator facilities worldwide in the field of medium energy physics, a domain combining nuclear and particle physics. Based in Vancouver, Canada, then near Zurich, Switzerland, and in Urbana-Champaign, USA, her research occurred in Canada, USA, Switzerland, Japan, Italy, and Russia.

In 2005, Françoise joined the IAEA as a Nuclear Physicist in the Nuclear Science and Applications Department, in charge of promoting and supporting the application of accelerators in all possible interesting fields. While at the IAEA, she continued to collaborate with her former research. Notable milestones were a refinement in the precise value of G_F , the weak interaction coupling constant, and the measurement of the muonic hydrogen Lamb shift, the basis of the current proton rms charge radius puzzle (“The Size of the Proton”, Pohl *et al.*, Nature, 2010). This latter result was obtained only after 40 years of work by a collaboration whose roots trace back to proposals made in the early 1970s. In all, she is co-author of more than 200 publications.

In 2013, she joined the Department of Safeguards at the IAEA and became a nuclear safeguards inspector, visiting countries around the world to support the implementation of the Non-Proliferation Treaty signed by these countries.

Since early times in her career, Françoise has worked at universities and research institutes to promote the number and position of women in the nuclear field. In 2009, she was designated by the IAEA Director General as the alternate gender focal point at the IAEA.