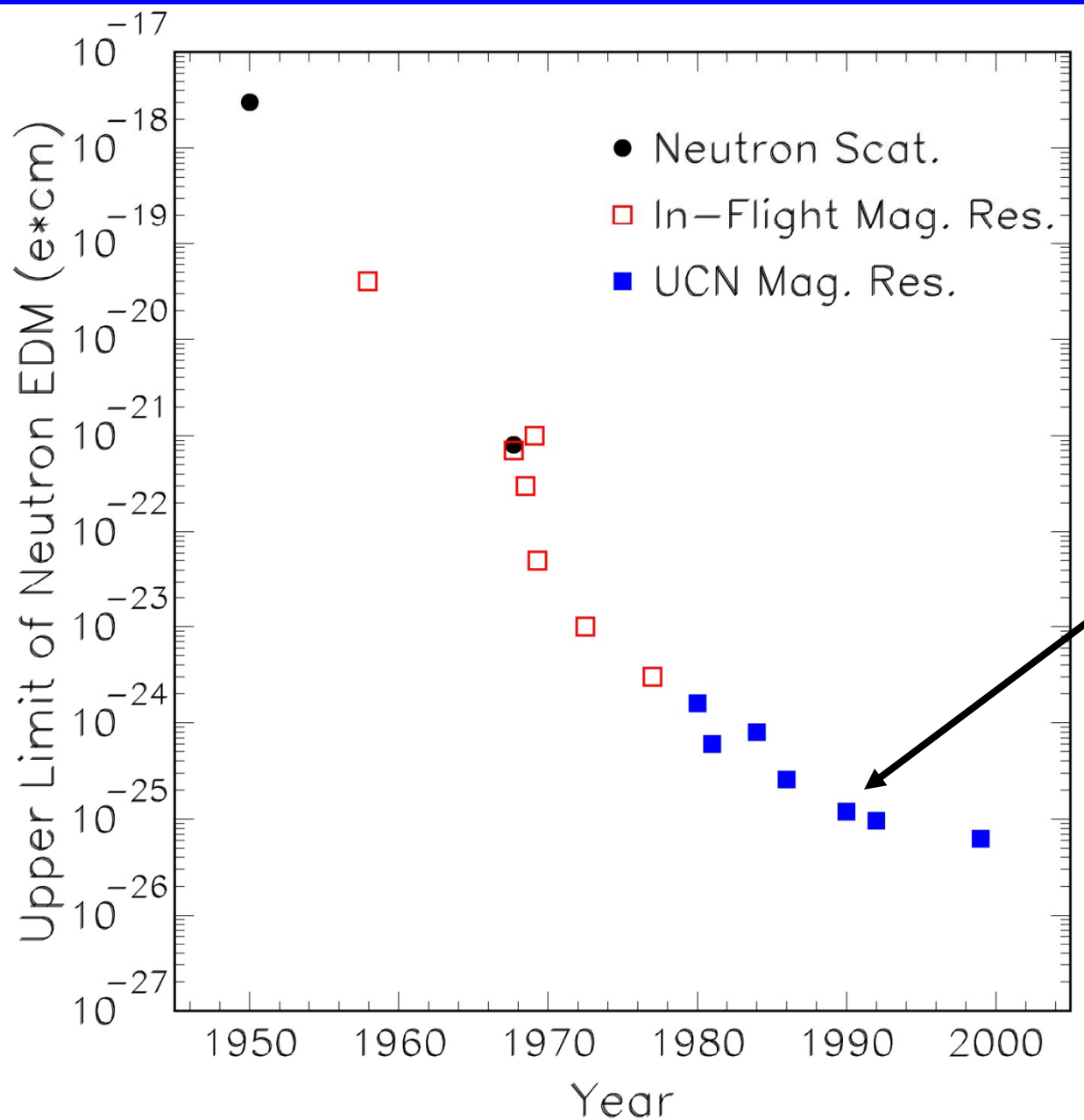


# Neutron EDM

● Particle Data Group says:

$n$  electric dipole moment  $< 0.29 \times 10^{-25} \text{ e cm}$ , CL = 90%

# Neutron EDM: the time line



?

**Prof. N. F. Ramsey**

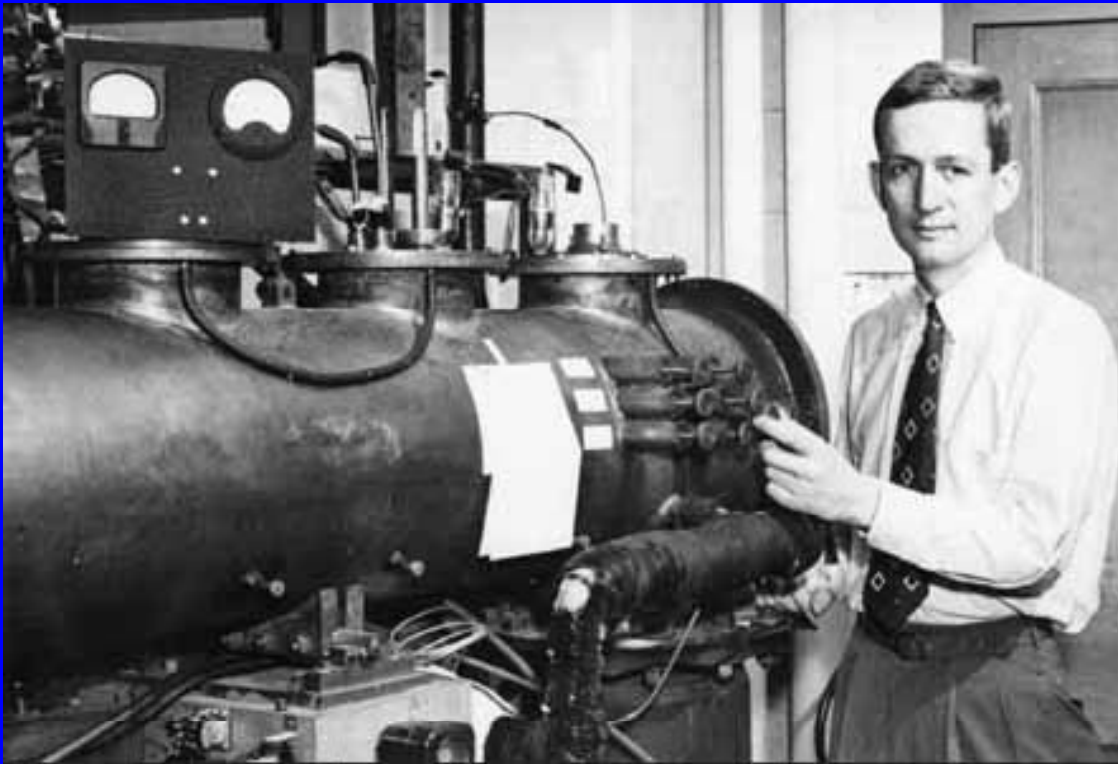
**Retires**

# Prof. Norman F. Ramsey (1915–2011)



**“What if we see an EDM?”**

# Prof. Norman F. Ramsey (1915–2011)



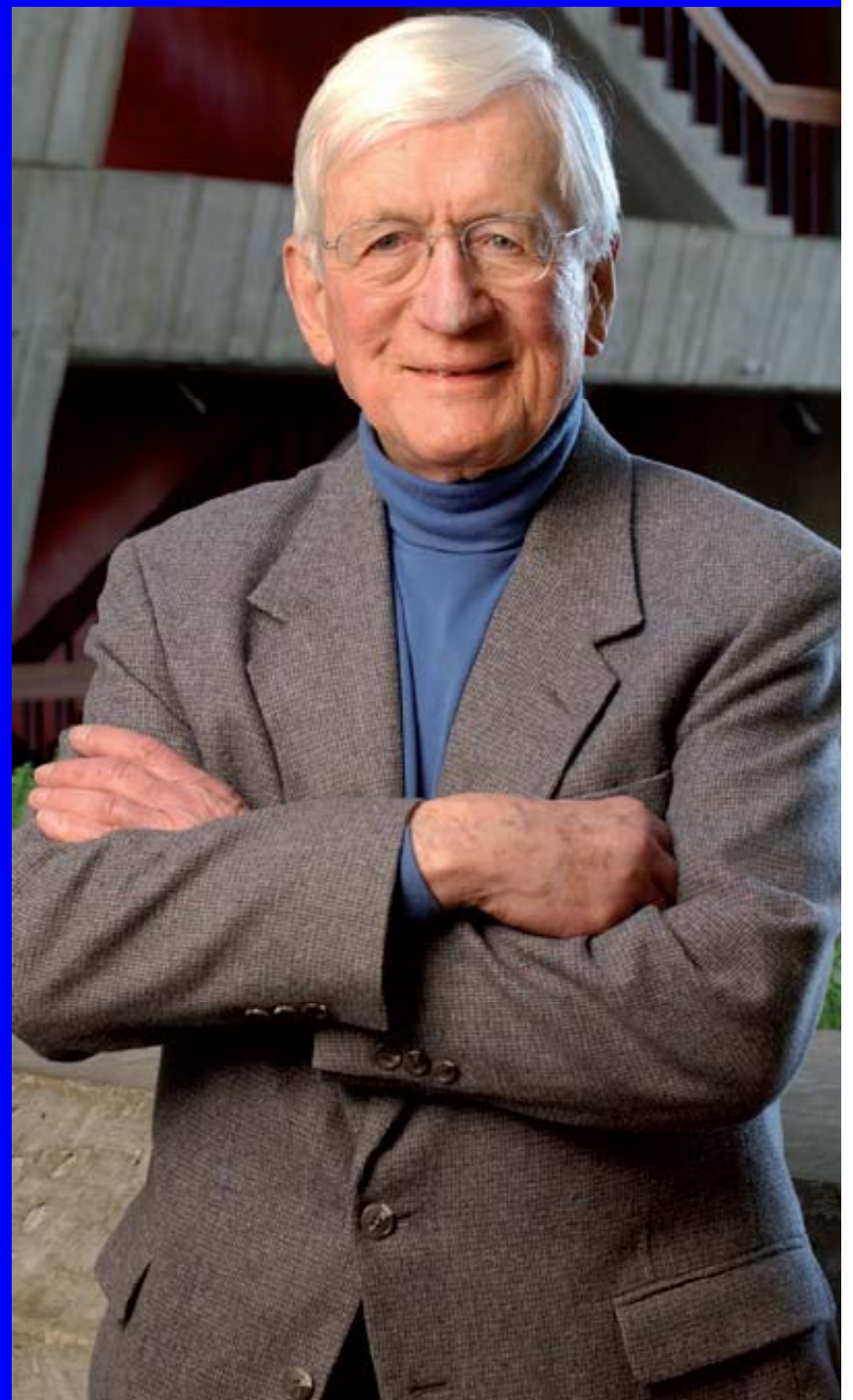
Plus 81 others

## Norman Foster Ramsey, Jr.

<b>Born</b>	August 27, 1915 Washington, DC
<b>Died</b>	November 4, 2011 (aged 96) Wayland, Massachusetts
<b>Residence</b>	United States
<b>Nationality</b>	United States
<b>Fields</b>	Physics
<b>Institutions</b>	Harvard University
<b>Alma mater</b>	Columbia University, University of Cambridge
<b>Doctoral advisor</b>	I. I. Rabi
<b>Doctoral students</b>	David J. Wineland, Daniel Kleppner, Howard Berg
<b>Known for</b>	Separated oscillatory field method
<b>Notable awards</b>	IEEE Medal of Honor 1989 Nobel Prize in Physics

# Norman F. Ramsey (1915–2011)

The Nobel Prize in Physics 1989 was divided, one half awarded to **Norman F. Ramsey** *"for the invention of the separated oscillatory fields method and its use in the hydrogen maser and other atomic clocks"*, the other half jointly to Hans G. Dehmelt and Wolfgang Paul *"for the development of the ion trap technique"*.





# My interactions with Norman

- 1994 APS DAMOP Thesis Prize competition
- Many meetings, e-mails, and letters thereon



## INT Workshop Seattle 1999

Photo credits: Dr. Valeriy Yashchuk

## **Norman's e-mail of Fri 12/26/2003 7:10 PM**

Dear Dmitry:

Thank you very much for your e-mail of November 18 inviting me to give the Physics Colloquium at Berkeley. I apologize for being so slow in replying, but it required my making a very difficult decision.

Berkeley is one of my favorite universities to visit and at which to give a colloquium. However, I have high standards for colloquia given at great institutions. The colloquium must not only be well presented but it must be on interesting, recent and important scientific work for which the speaker has been the principal participant. Now that I am 88½ years old I have reluctantly concluded that the colloquium I could now give would not meet my high standards for Berkeley. Therefore, with great regret, I decline your very attractive invitation.

There are many advantages of living in good health to an old age, but one disadvantage is the necessity to make some painful personal decisions which are usually made automatically by poor health.

I wish you the best of success in your interesting work at Berkeley.

Sincerely,

Norman