

Stewart J. Zweben

e-mail: stewart.zweben@gmail.com

website: <https://stewartzweben.com/>

Education:

Ph. D. in Physics (1977), Cornell University, Ithaca, NY

B.S. in Physics (1972), Stony Brook University, NY

Undergraduate (1966-69), MIT, Cambridge, Mass.

Research Positions:

Senior physicist (retired), Princeton Plasma Physics Laboratory (2018-2023)

Principal Research Physicist, Princeton Plasma Physics Laboratory (1993-2018)

Research Physicist, Princeton Plasma Physics Laboratory (1984-1993)

Senior Research Fellow in Applied Physics, Caltech (1980-1984)

Assistant Research Physicist, UCLA (1977-1980)

Main Research Areas:

Plasma mass filter studies (2012-2018)

Edge turbulence imaging measurements on C-Mod and NSTX (1997-2018)

Alpha particle physics and alpha loss measurements on TFTR (1984-1997)

Plasma turbulence measurements on small tokamaks (1977-1984)

Runaway electrons in the ORMAK tokamak (1974-1977)

Other Activities:

Resident Associate Editor, Physics of Plasmas (2004-2015)

Divisional Associate Editor, Physical Review Letters (2003-2006)

Member, NAS/NRC Plasma Science Committee (2001-2004)

Lecturer, Astrophysical Sciences Dept. of Princeton Univ. (1998-2005)

Head, PPPL Plasma Science and Technology Department (1997-2001)

Member, Fusion Energy Sciences Advisory Committee (FESAC) (1996-1998)

Supervised 3 Ph.D. students in Astrophysical Sciences at Princeton (1991-2001)

Honors:

PPPL Distinguished Research Fellowship (1996)

Fellow of the American Physical Society (1993)

Publications:

First-author of about 70 papers in plasma physics and fusion research.

///