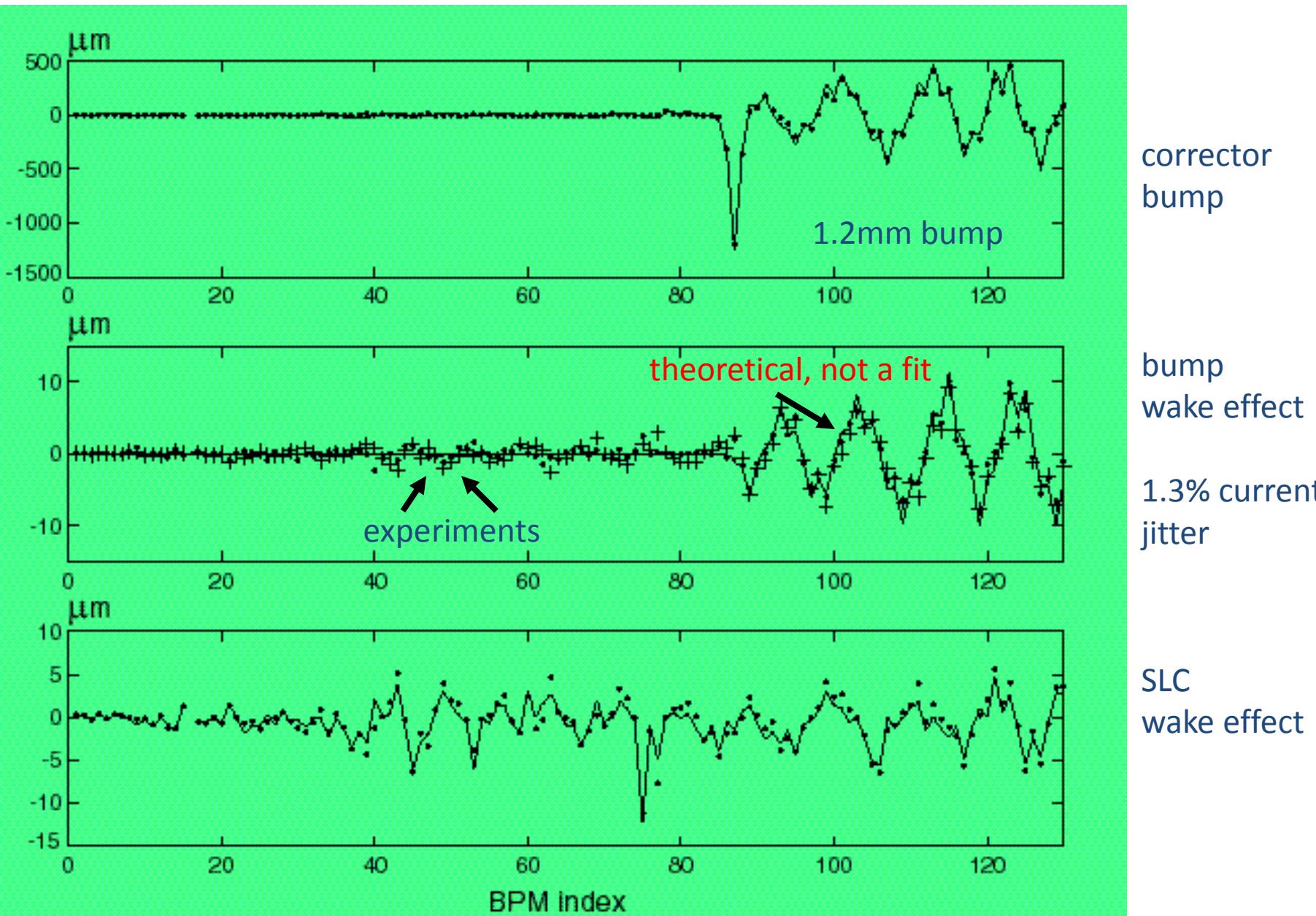


15-yr-old experiment measuring wakefield effect of SLAC structure

LINAC98, J. Irwin, C.-x Wang, K. Bane, ...



Precise measurement can be subtle

Table 1: Correlation coefficients of beam current and bunch length with other beam parameters (**SLC**)

	current ΔI	bunch length σ_z
horizontal position x	-0.17	-0.52
horizontal angle x'	-0.03	-0.15
vertical position y	-0.08	0.01
vertical angle y'	0.10	0.20
long. beam phase	-0.48	-0.20
beam energy	-0.37	-0.18
bunch length	0.05	1
beam current	1	-0.05