

FIG. 2. Dynamical fermionization. (**A**) Normalized experimental axial TOF distributions for a range of t_{ev} . Each profile is an average of 30 implementations. By 15 ms the shape has asymptoted. (**B**) Numerical simulation of the experiment in the T-G limit, with no free parameters. (**C**) The corresponding numerical simulation of the momentum distribution functions (rescaled by the t_{DET}). (**D**) Experimental distributions for the first six times shown in A (colored curves), separately compared to the corresponding theoretical curves from B (dotted black lines). After 12 ms the theory and experiment are essentially indistinguishable, and very close to the theoretical momentum distributions.