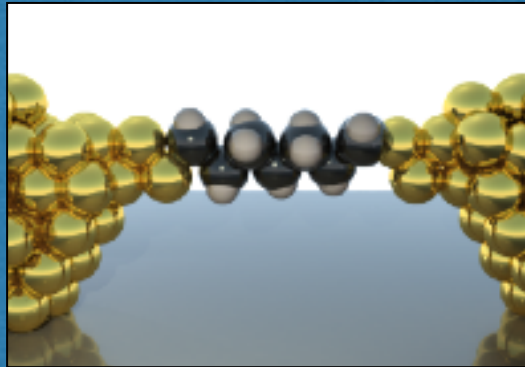


Two Stories:



Classical mapping for fermions

A new approach to molecular electronics, mapping quantum mechanics to classical dynamics

BINGO

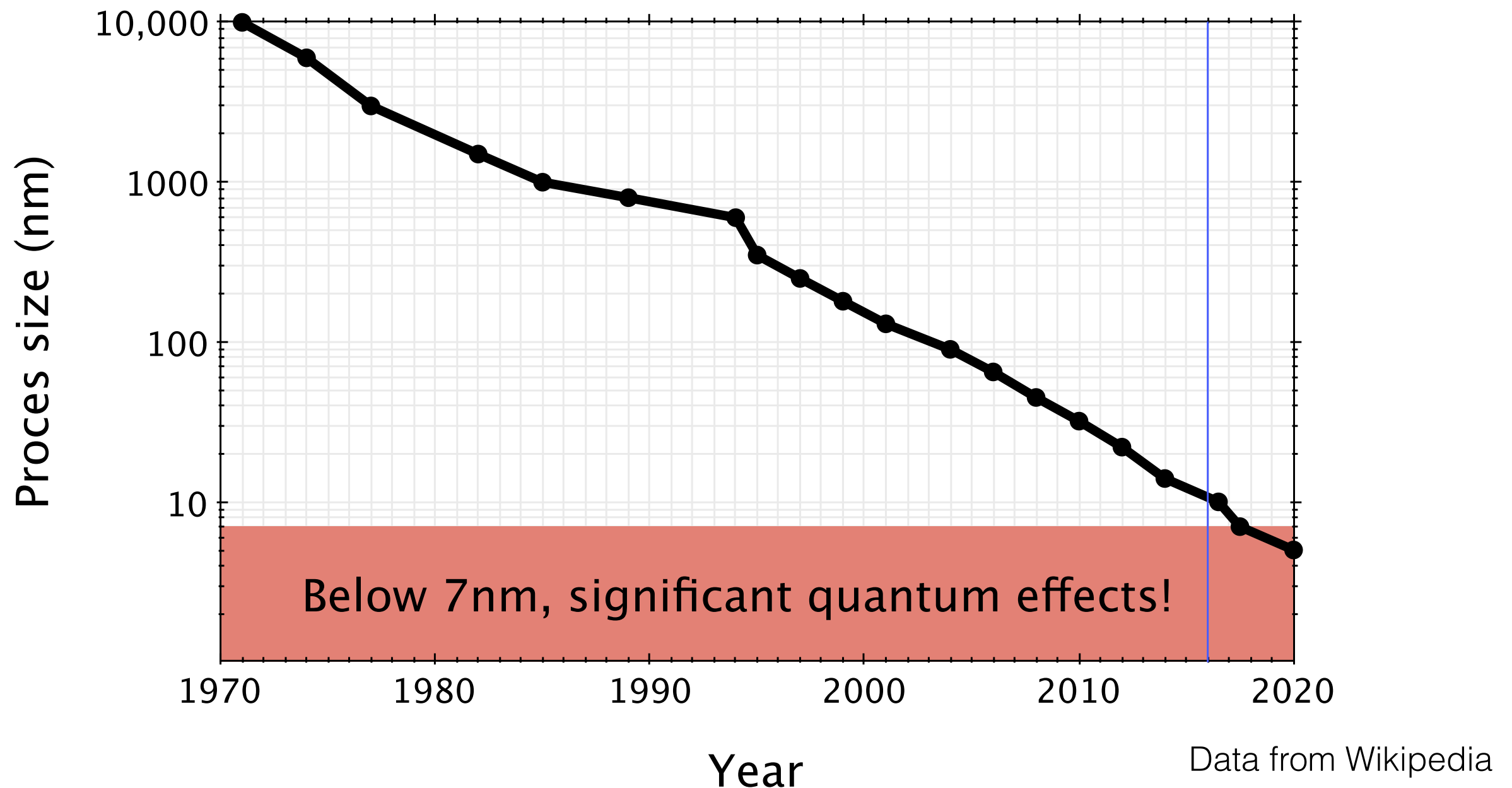
15	19	44	51	63
7	26	36	56	64
12	23	FREE	49	74
8	30	38	58	66
13	29	42	52	73

Bingo sampling

An efficient algorithm for approximate quantum correlation functions, including dynamical quantum interference effects

Why molecular electronics?

Transistor size is approaching the quantum regime....



Plus: molecular electronics offers new design freedoms