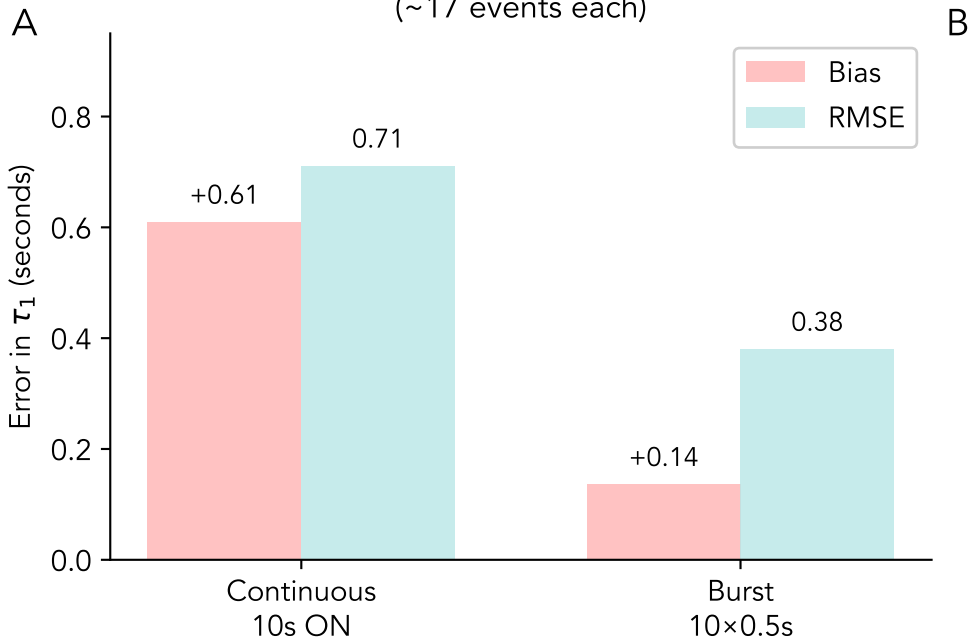# The Identifiability Problem

A

Same Events, Different Information
(~17 events each)
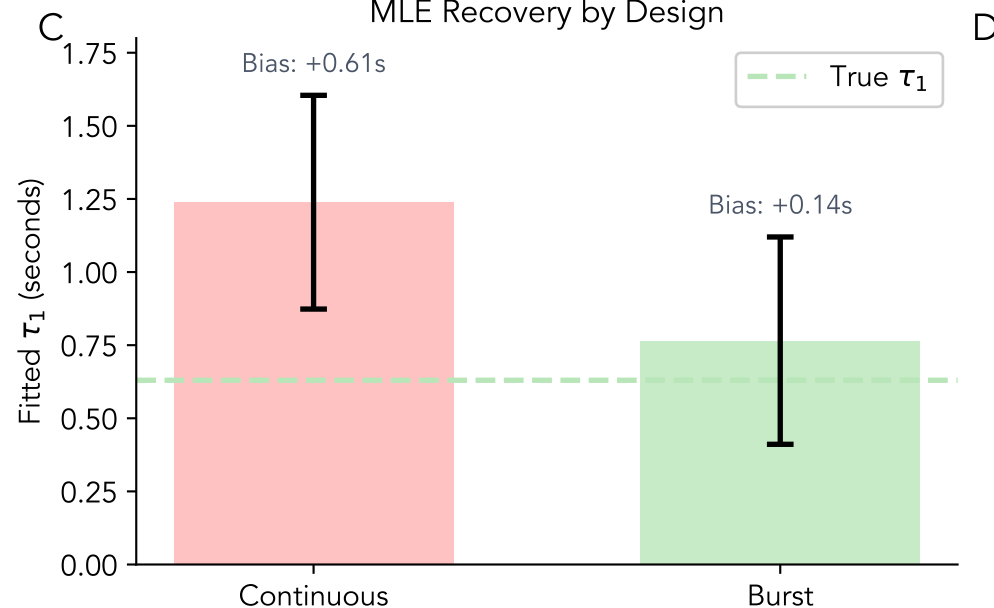

B

The Information Problem

Fisher Information for τ_1

Continuous: 0.29

Burst: 2.88

———————

Burst extracts 10× more info

from the same number of events

C

MLE Recovery by Design

D

Why Continuous Design Fails

Kernel is inhibition-dominated (B/A = 8)

~80% of events occur during LED-OFF
  -> No tau1 information

Remaining ~20% mostly after t > 0.5s
  -> Inhibition dominates, tau1 unidentifiable

Burst design samples multiple
early excitatory windows