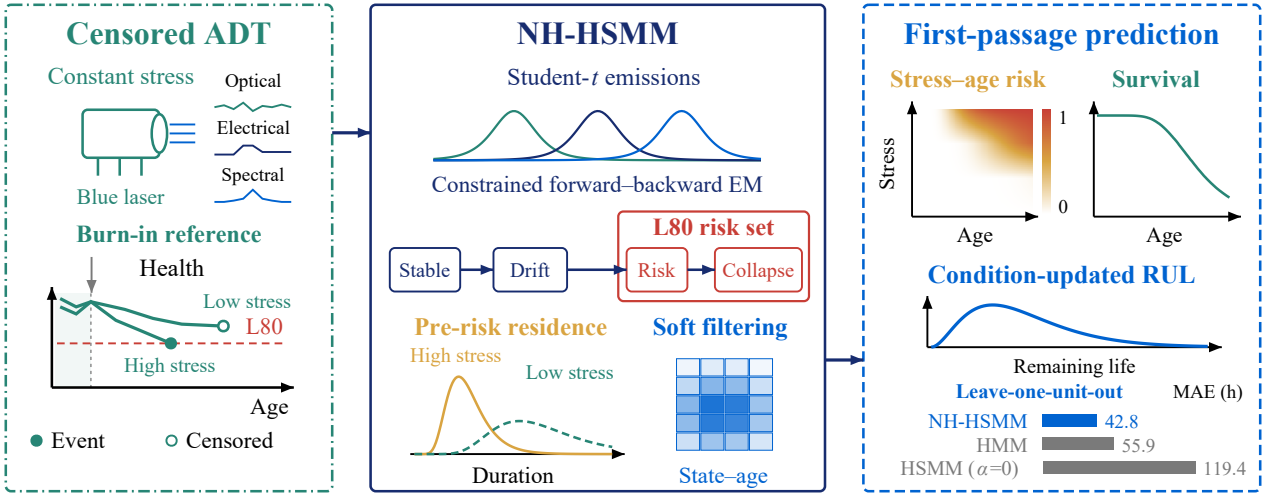

Censored ADT
Constant stress
Optical
Electrical
Spectral
Blue laser
Burn-in reference
Health
Low stress
L80
High stress
Age
Event
Censored
NH-HSMM
Student-t emissions
Constrained forward–backward EM
L80 risk set
Stable
Drift
Risk
Collapse
Pre-risk residence
Soft filtering
High stress
Low stress
Duration
State–age
First-passage prediction
Stress–age risk
Survival
Stress
1
0
Age
Age
Condition-updated RUL
Remaining life
Leave-one-unit-out
MAE (h)
NH-HSMM
42.8
HMM
55.9
HSMM (α=0)
119.4