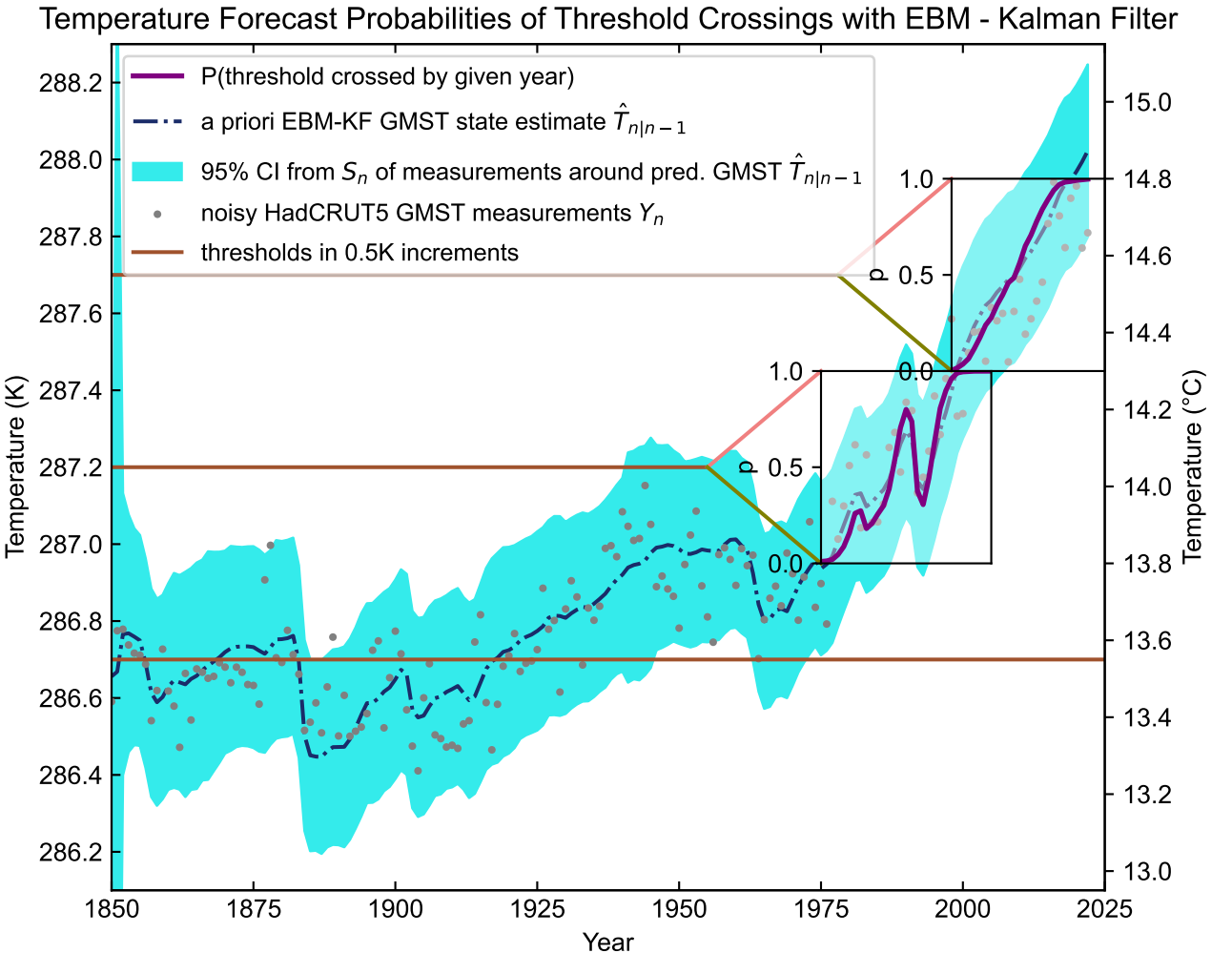
Temperature Forecast Probabilities of Threshold Crossings with EBM - Kalman Filter
P(threshold crossed by given year)
a priori EBM-KF GMST state estimate $\hat{T}_{n|n-1}$
95% CI from S_n of measurements around pred. GMST $\hat{T}_{n|n-1}$
noisy HadCRUT5 GMST measurements Y_n
thresholds in 0.5K increments
p
1.0
0.5
0.0
Temperature (K)
Temperature (°C)
Year
288.2
288.0
287.8
287.6
287.4
287.2
287.0
286.8
286.6
286.4
286.2
15.0
14.8
14.6
14.4
14.2
14.0
13.8
13.6
13.4
13.2
13.0
1850
1875
1900
1925
1950
1975
2000
2025