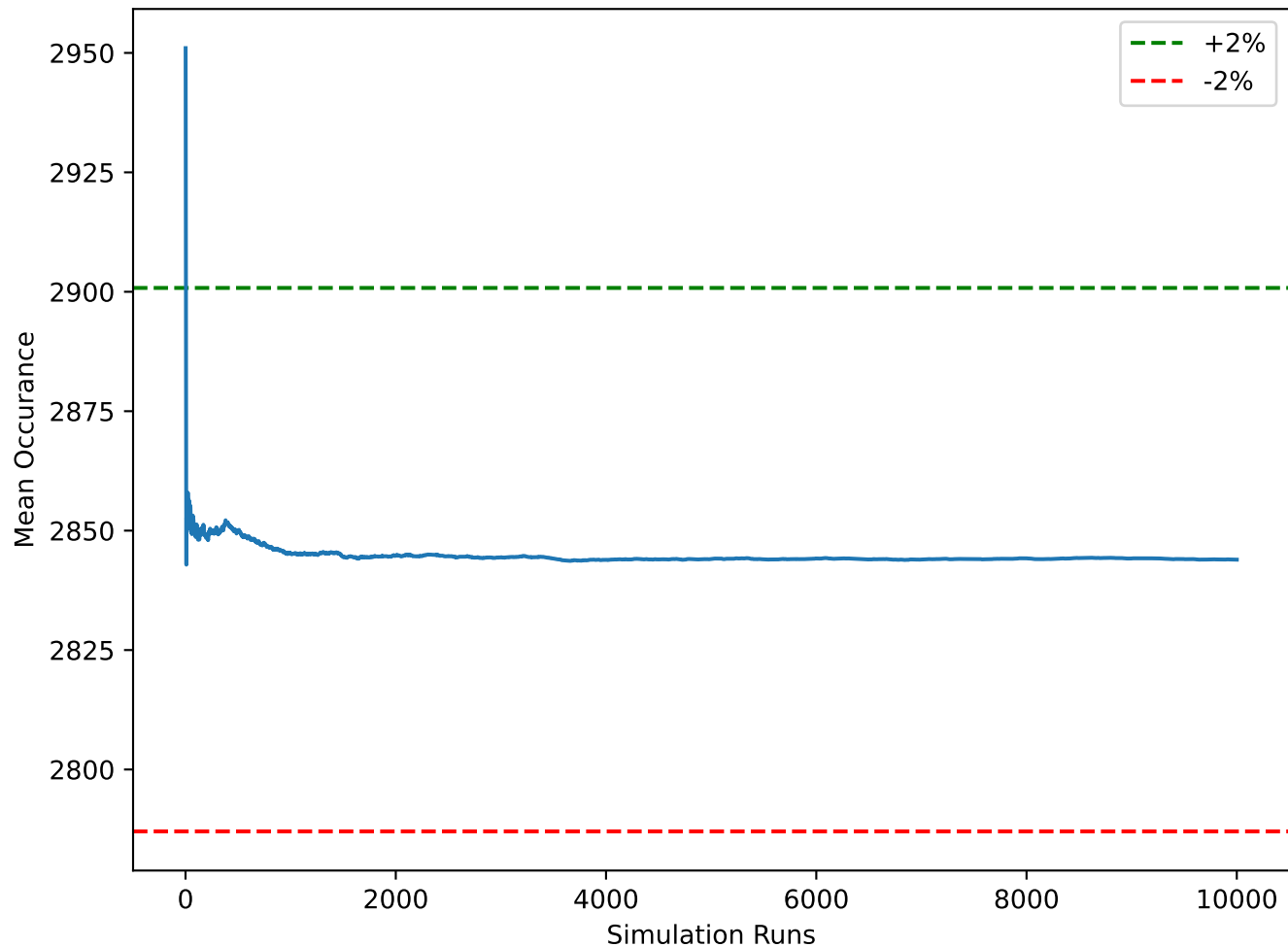
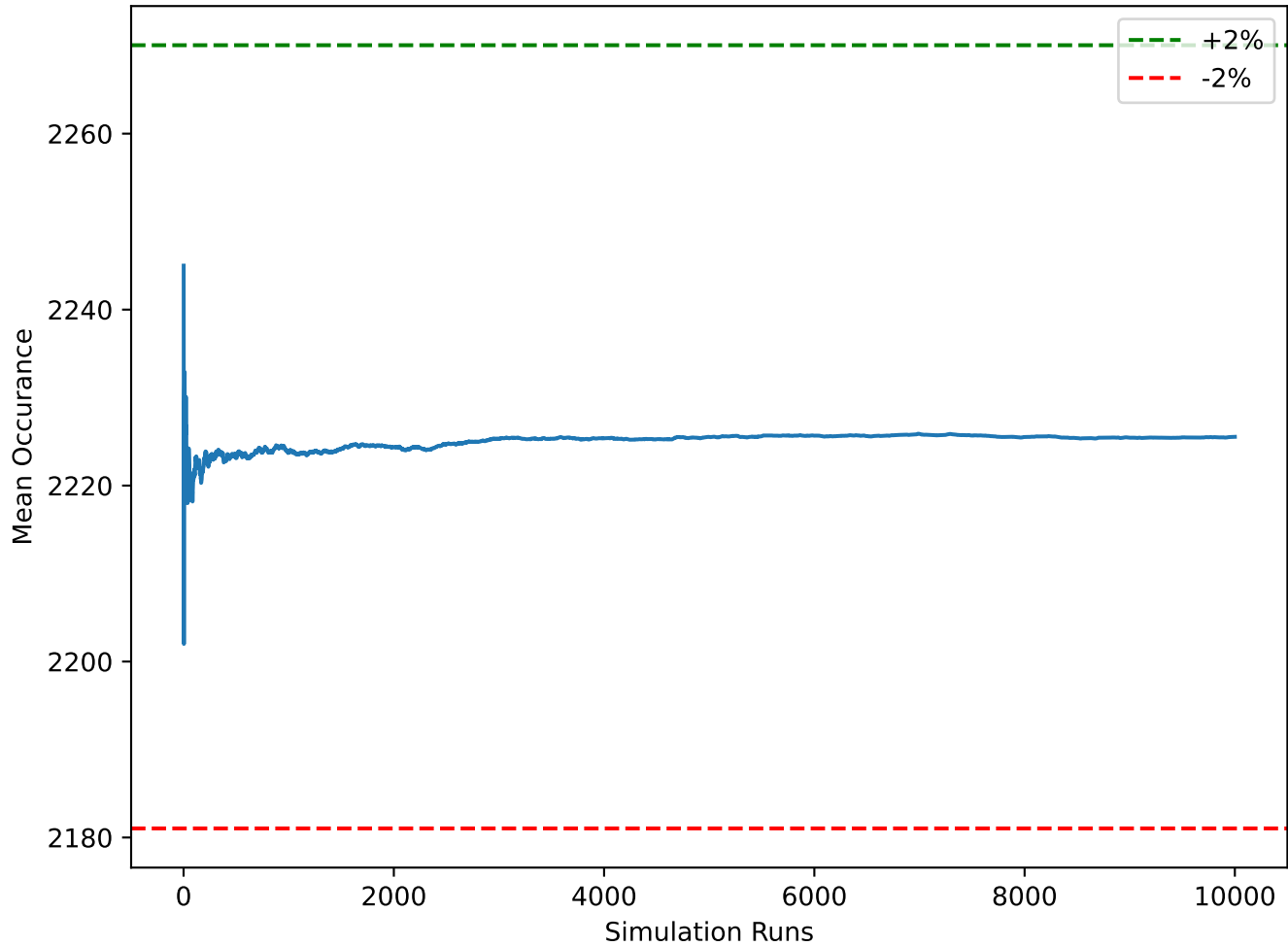


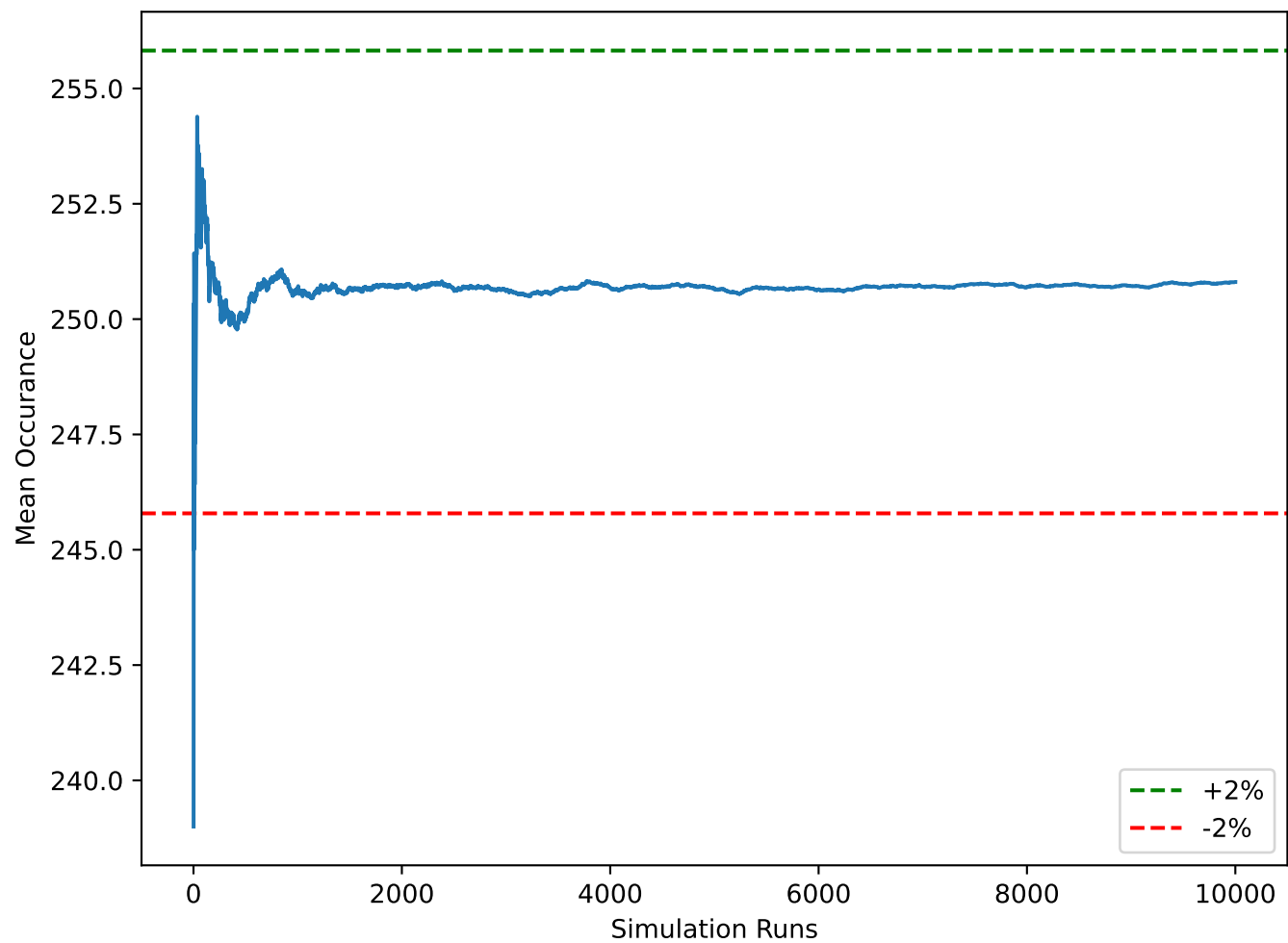
Initial Electron at 100keV For $\text{CH}_4 + \text{e}^- \rightarrow \text{CH}_4^+ + 2\text{e}^-$ Mean Occurance vs Simulations Ran



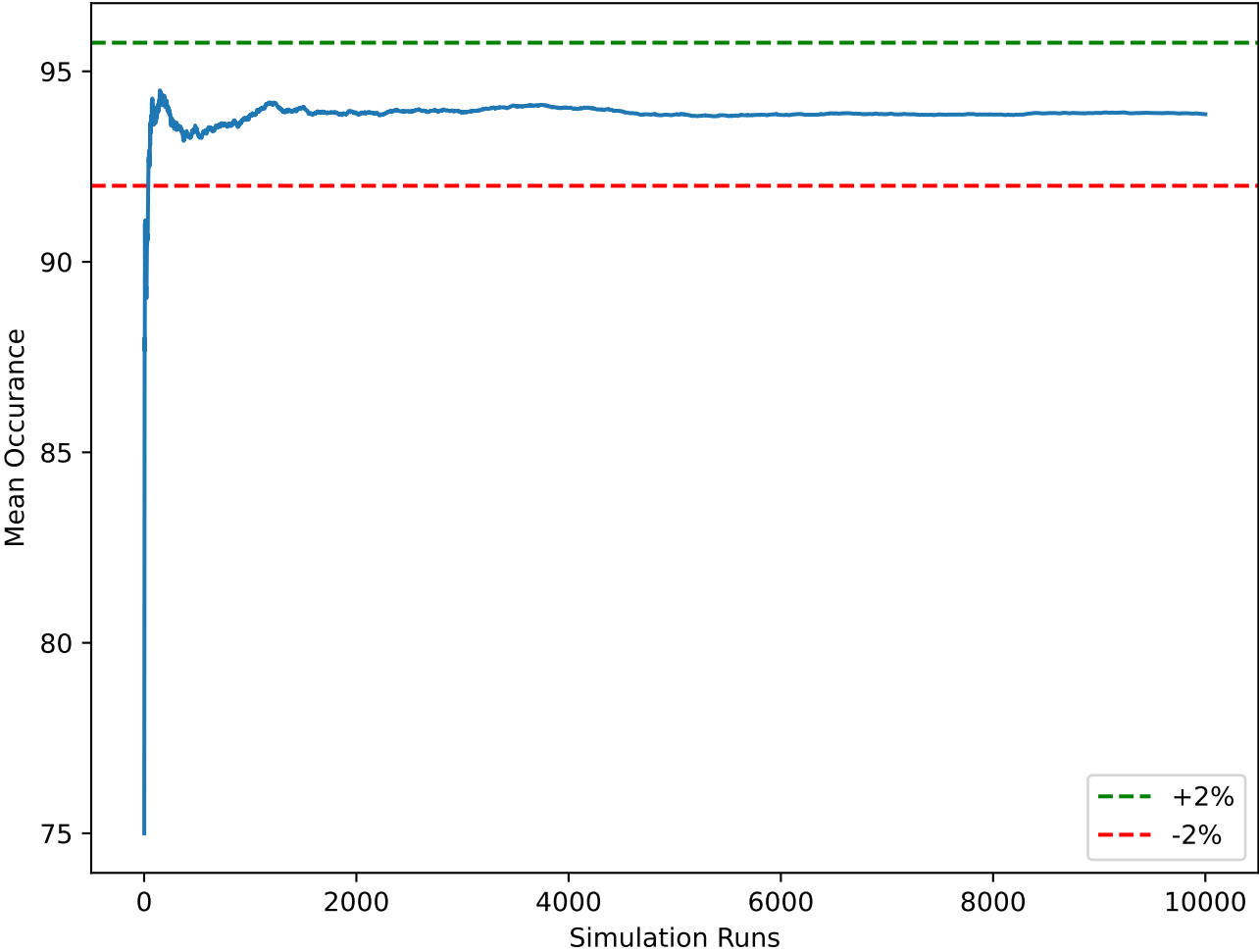
Initial Electron at 100keV For CH₄ + e⁻ -> CH₃⁺ + H* + 2e⁻ Mean Occurance vs Simulations Ra



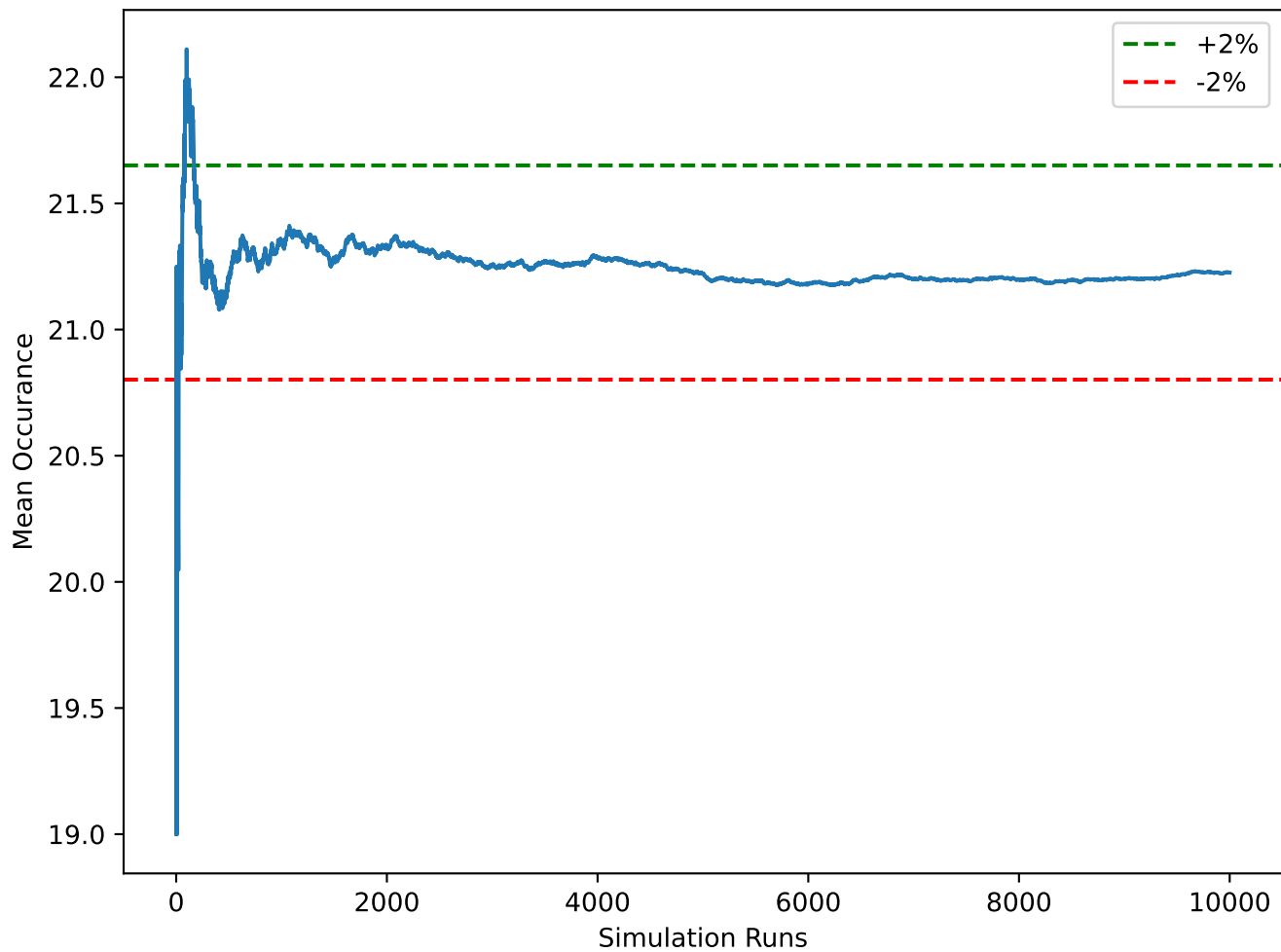
Initial Electron at 100keV For CH₄ + e⁻ -> CH₂⁺ + H₂ + 2e⁻ Mean Occurance vs Simulations Ra



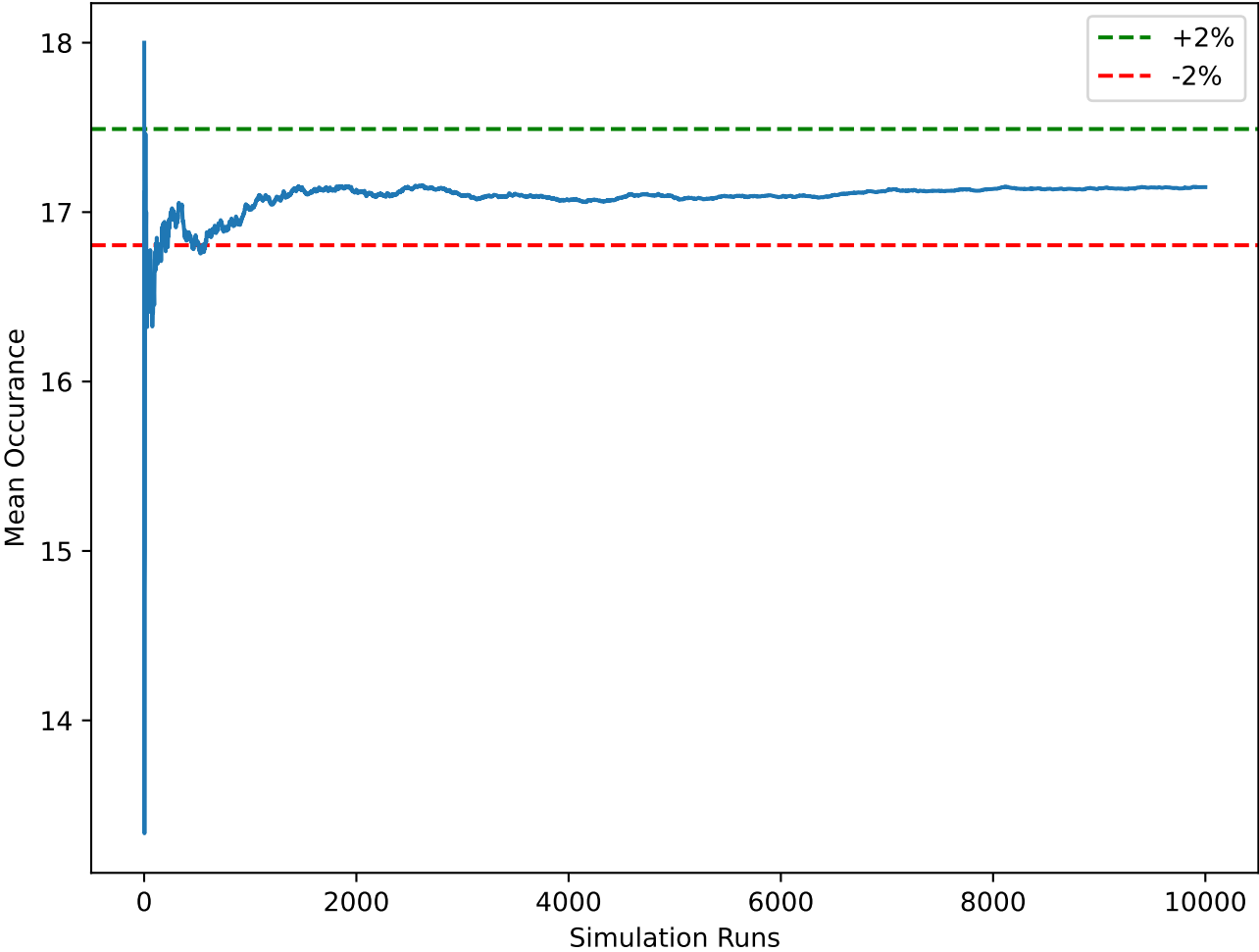
Initial Electron at 100keV For $\text{CH}_4 + \text{e}^- \rightarrow \text{CH}_3^* + \text{H}^+ + 2\text{e}^-$ Mean Occurance vs Simulations Ra



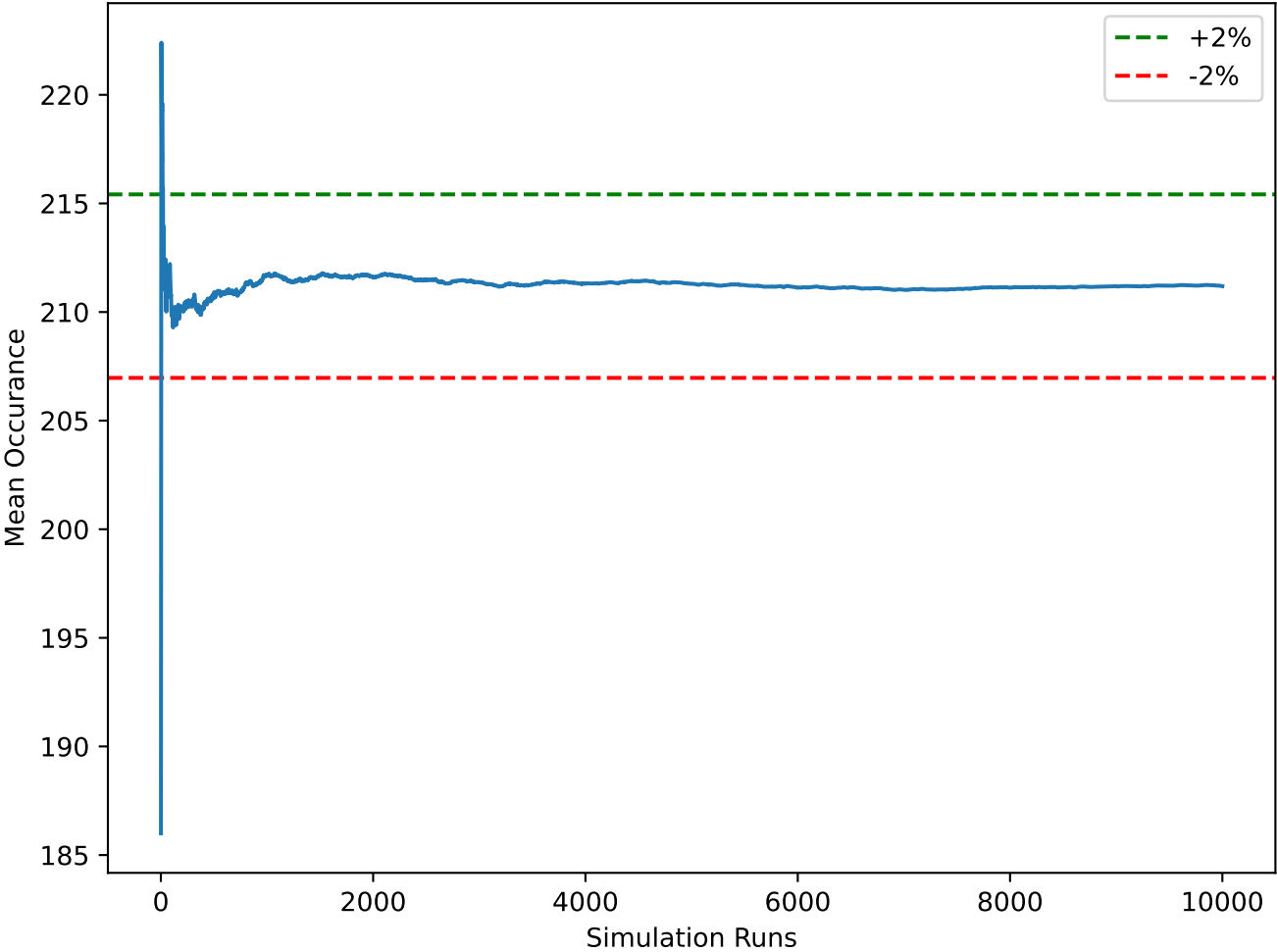
Initial Electron at 100keV For $\text{CH}_4 + \text{e}^- \rightarrow \text{CH}^+ + \text{H}_2 + \text{H}^* + 2\text{e}^-$ Mean Occurance vs Simulations



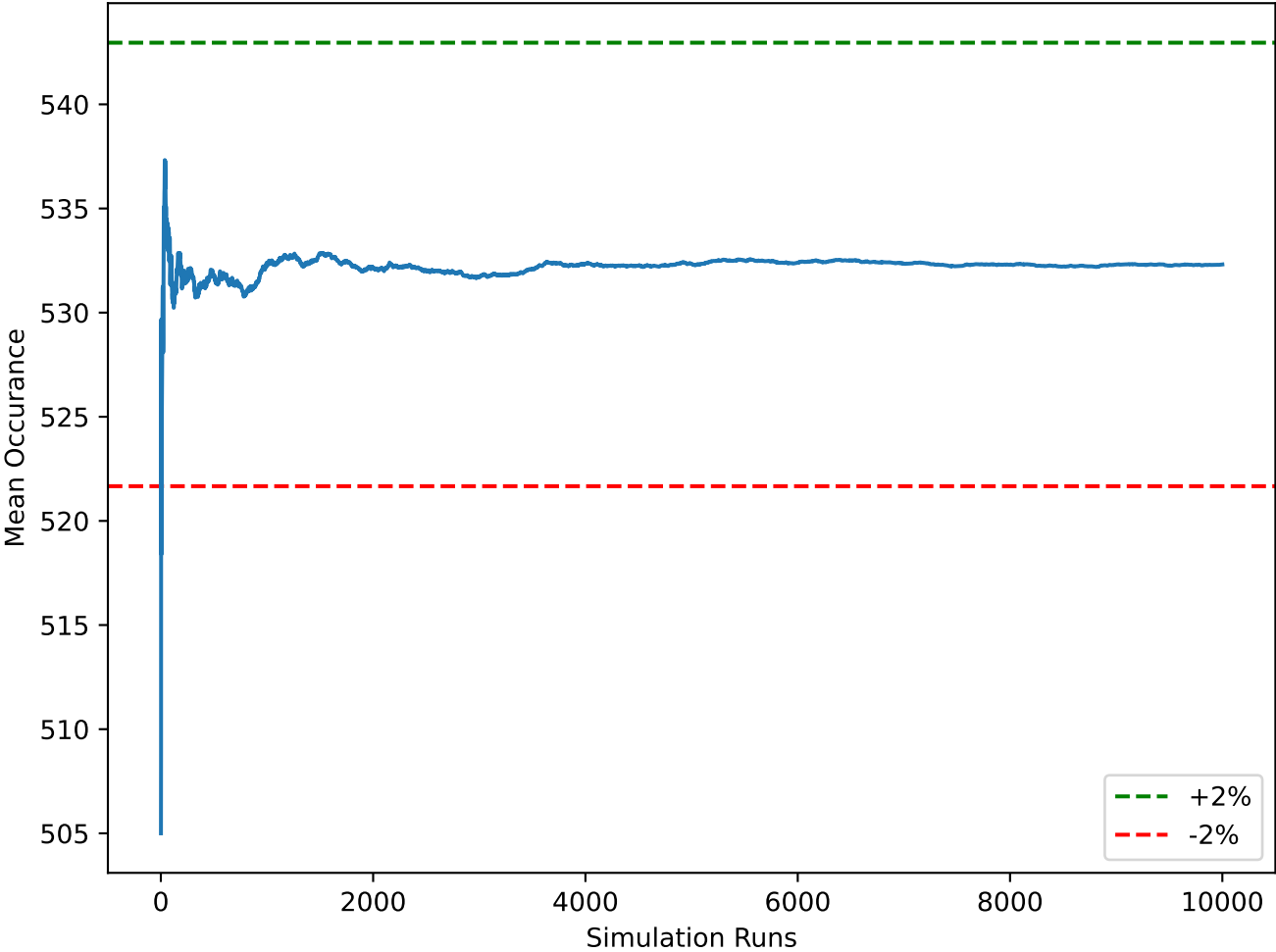
Initial Electron at 100keV For CH₄ + e⁻ -> CH₂* + H₂⁺ + 2e⁻ Mean Occurance vs Simulations Ra



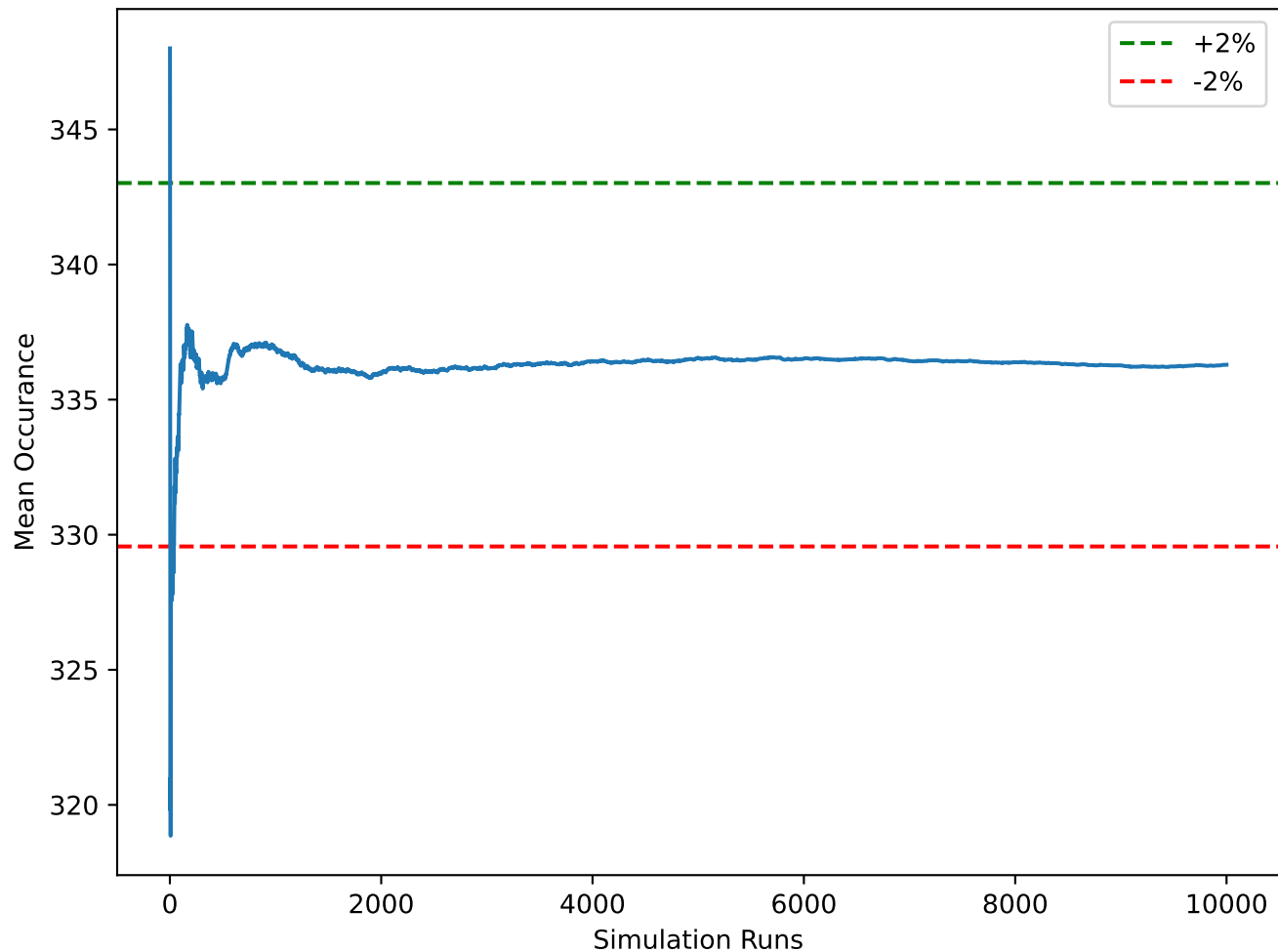
Initial Electron at 100keV For CH₄ + e⁻ -> C⁺ + 2H₂ + 2e⁻ Mean Occurance vs Simulations Ran



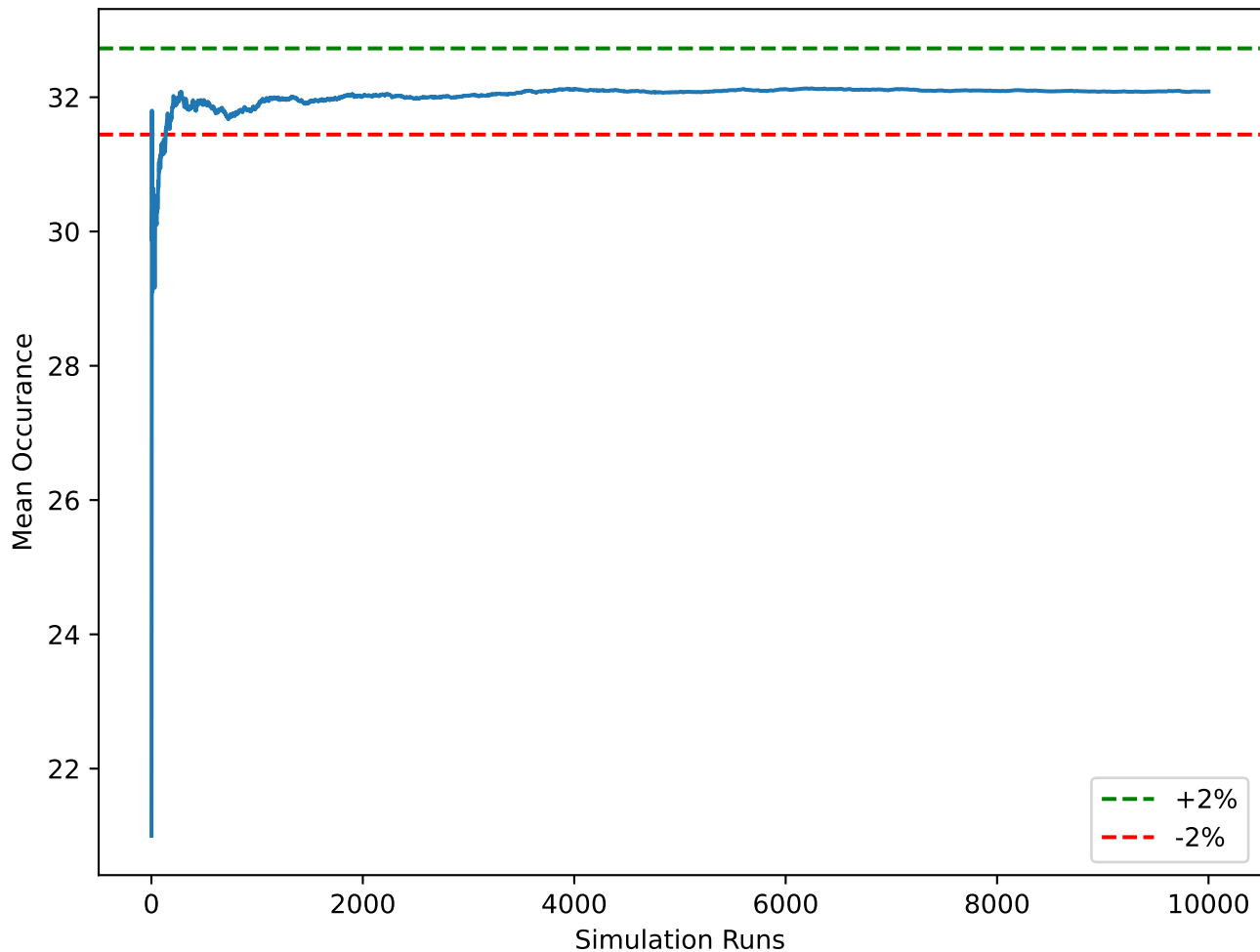
Initial Electron at 100keV For CH₄ + e⁻ -> CH₃* + H* + e⁻ Mean Occurance vs Simulations Ran



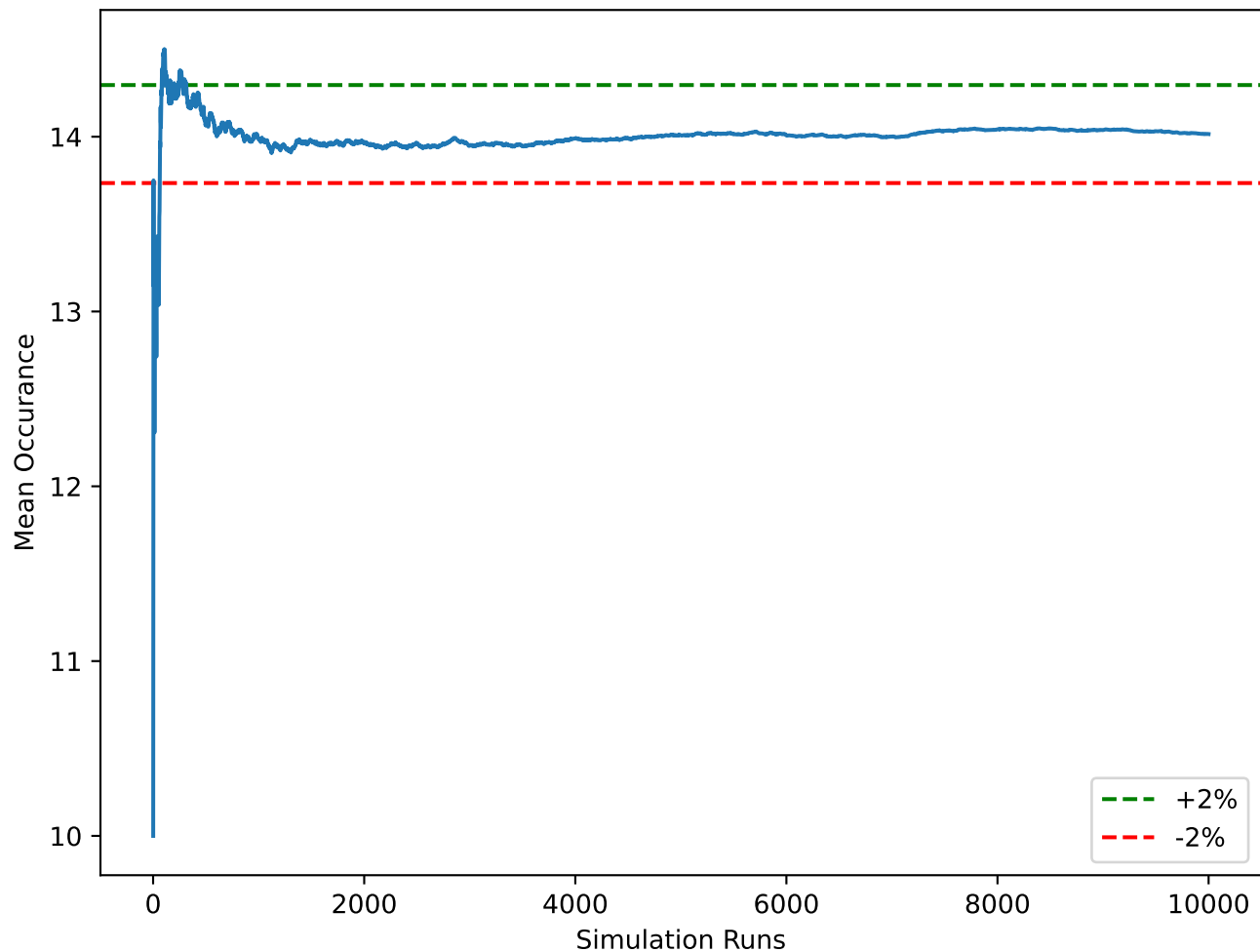
Initial Electron at 100keV For $\text{CH}_4 + \text{e}^- \rightarrow \text{CH}_2^* + \text{H}_2 + \text{e}^-$ Mean Occurance vs Simulations Ran



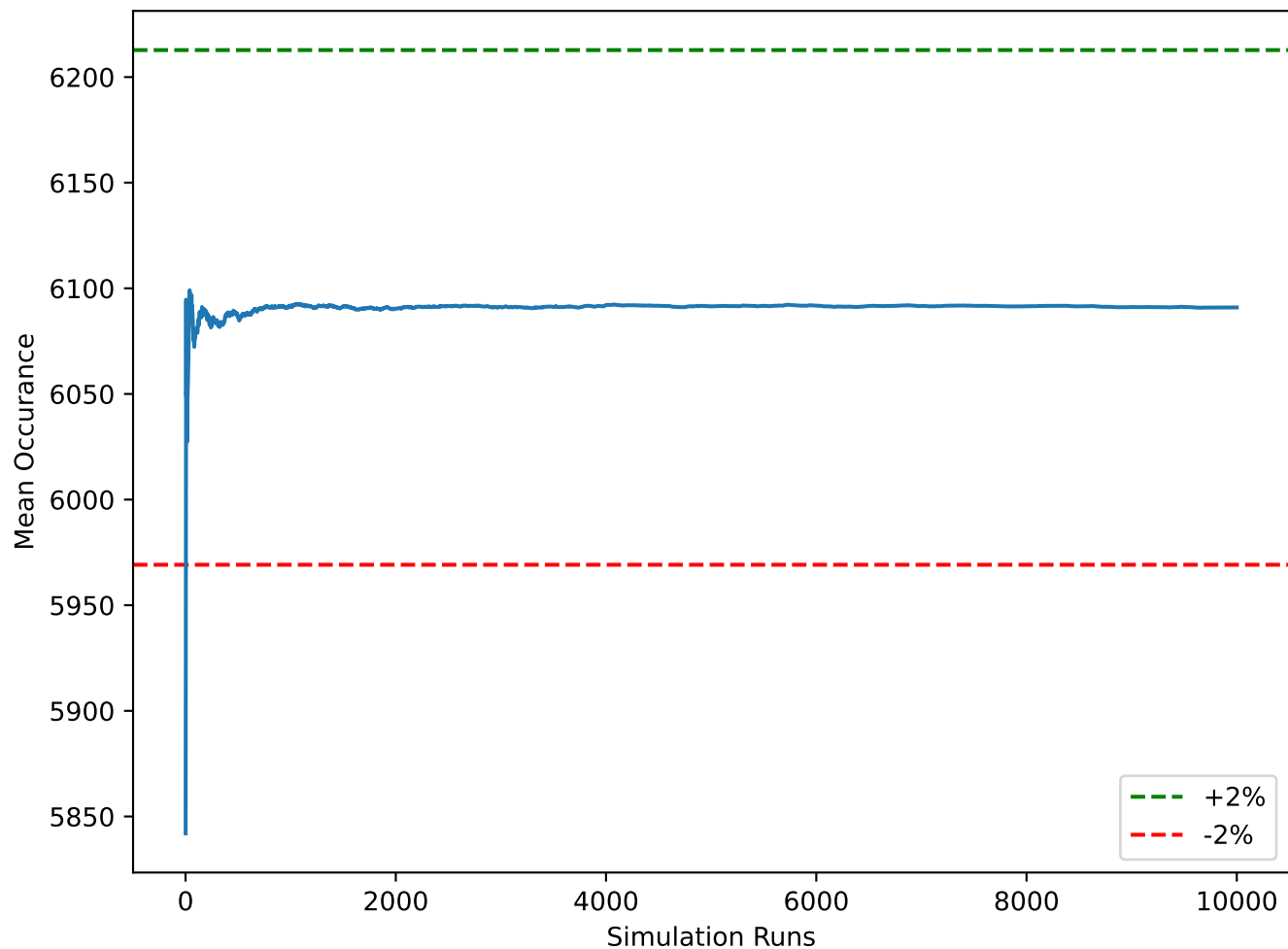
Initial Electron at 100keV For $\text{CH}_4 + \text{e}^- \rightarrow \text{CH}^* + \text{H}_2 + \text{H}^* + \text{e}^-$ Mean Occurance vs Simulations R



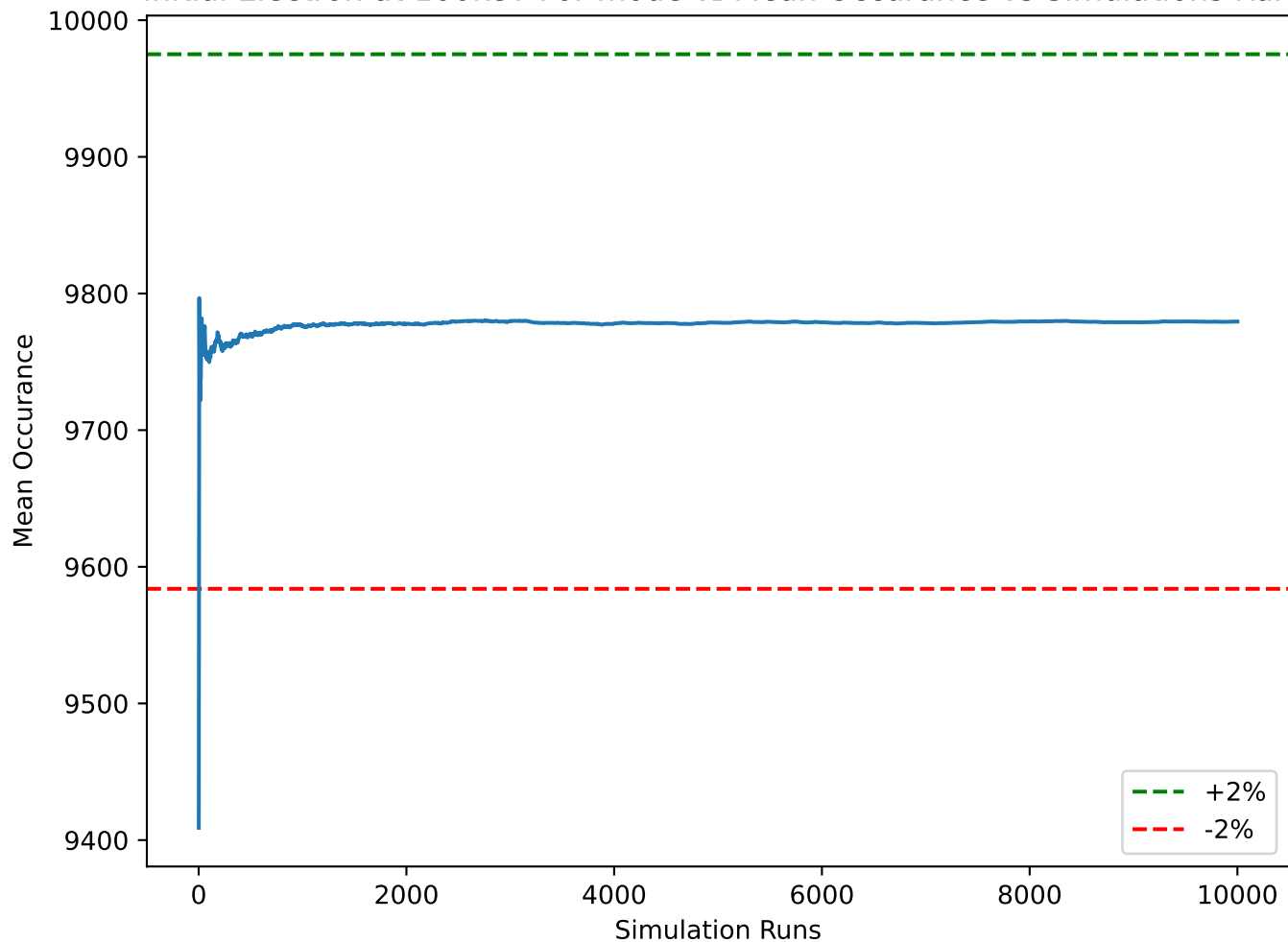
Initial Electron at 100keV For $\text{CH}_4 + \text{e}^- \rightarrow \text{CH}_3^* + \text{H}^-$ Mean Occurance vs Simulations Ran



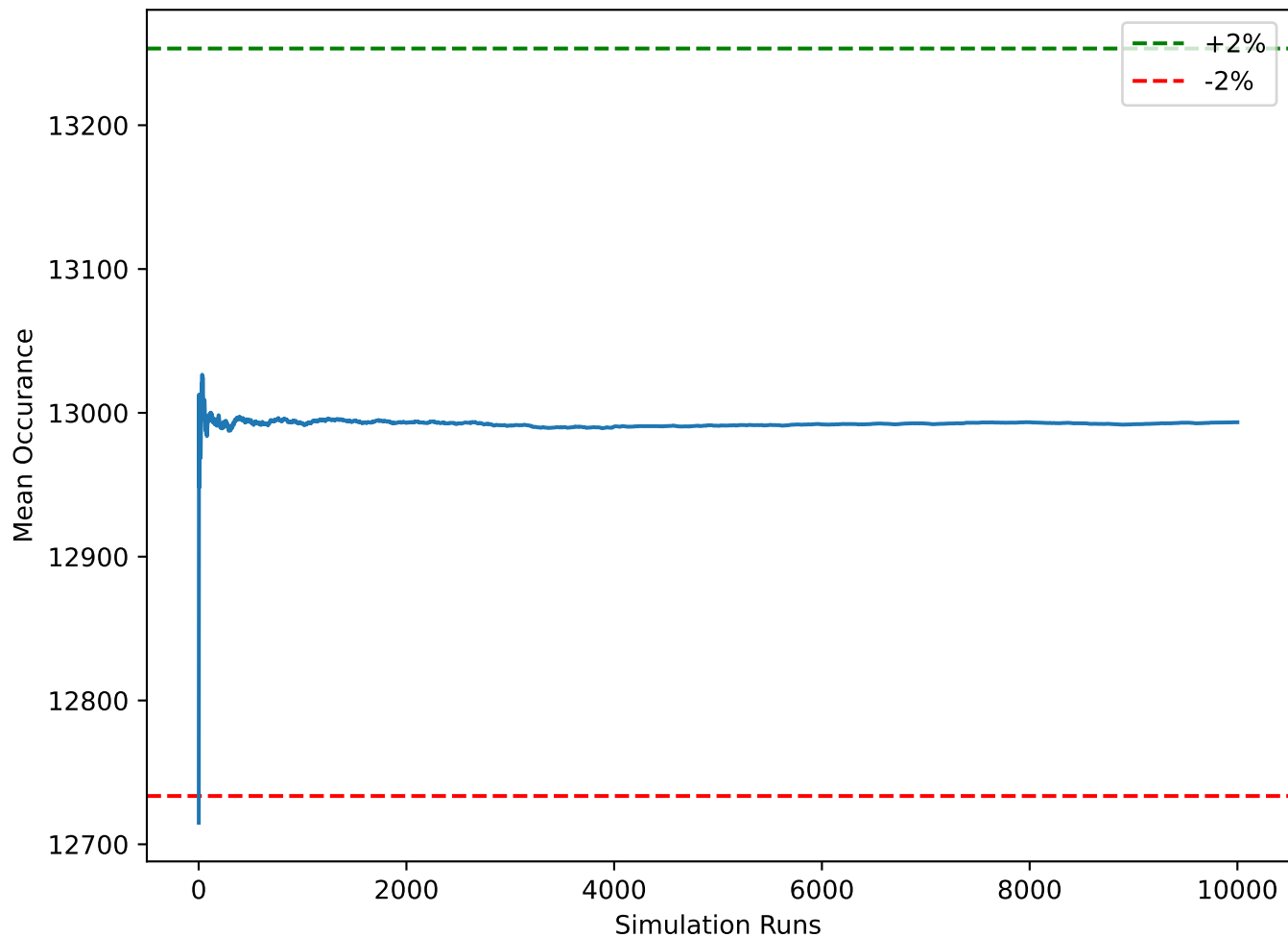
Initial Electron at 100keV For mode v_1 Mean Occurance vs Simulations Ran



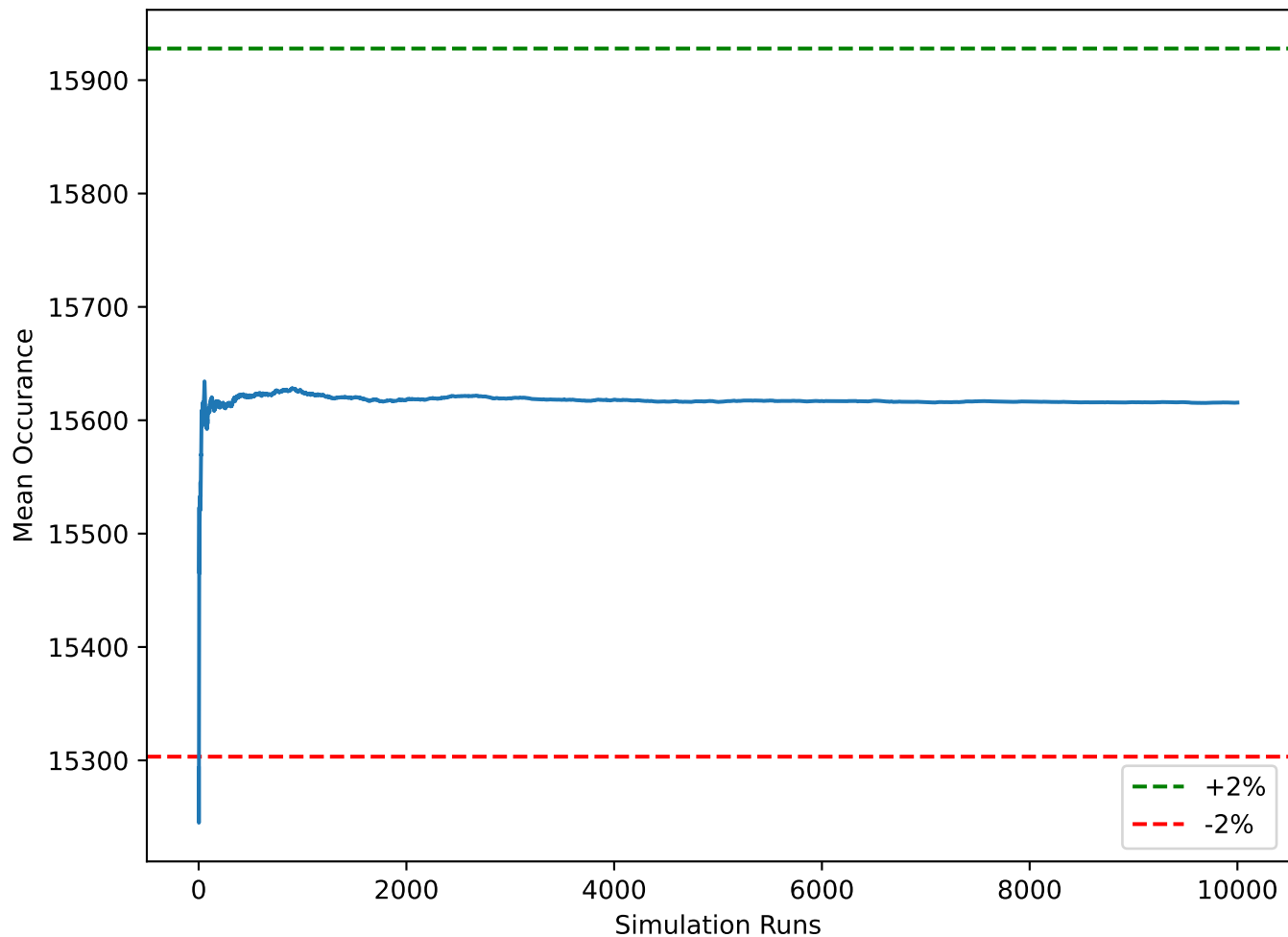
Initial Electron at 100keV For mode v_2 Mean Occurance vs Simulations Ran



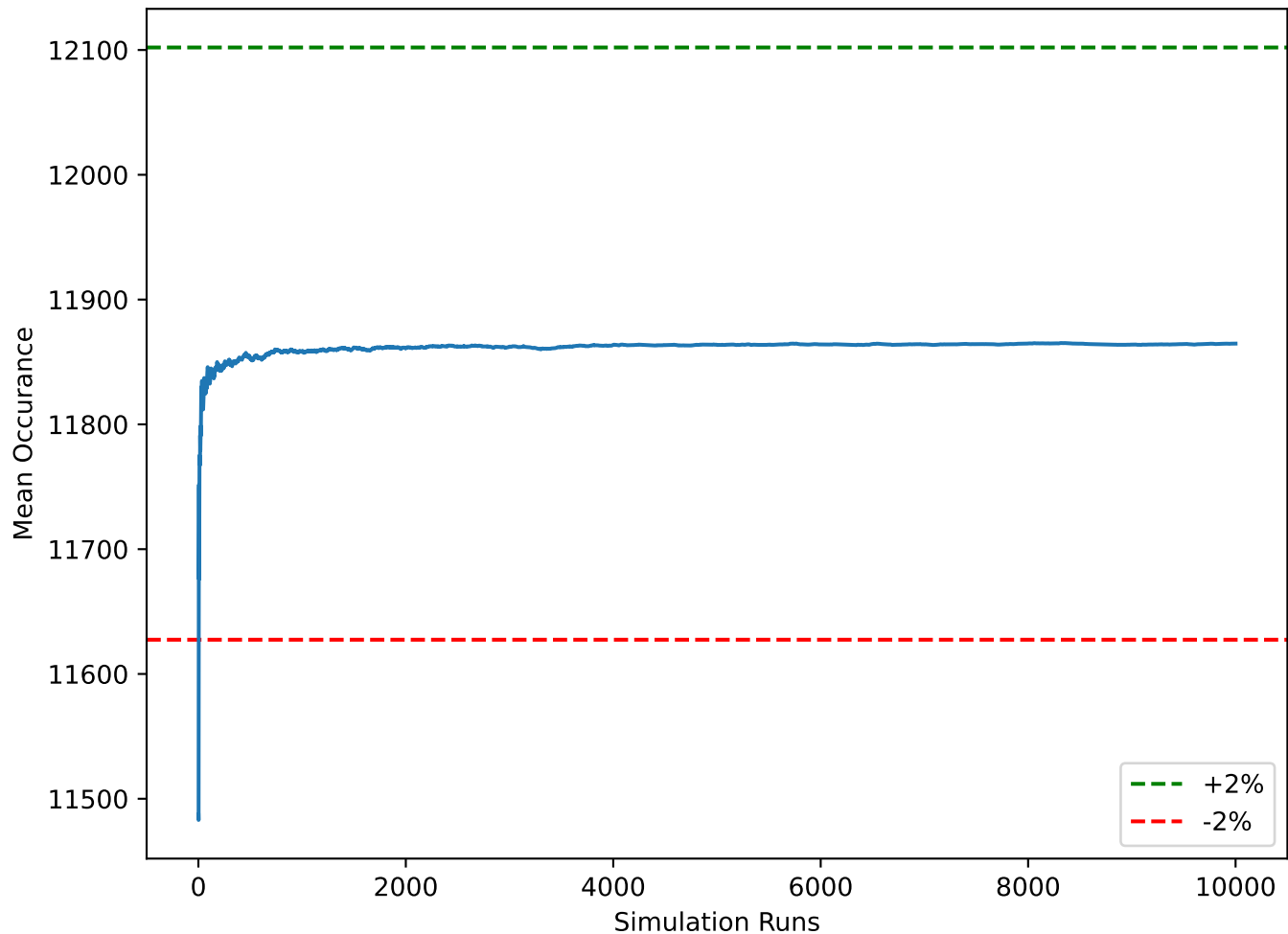
Initial Electron at 100keV For mode v_3 Mean Occurance vs Simulations Ran



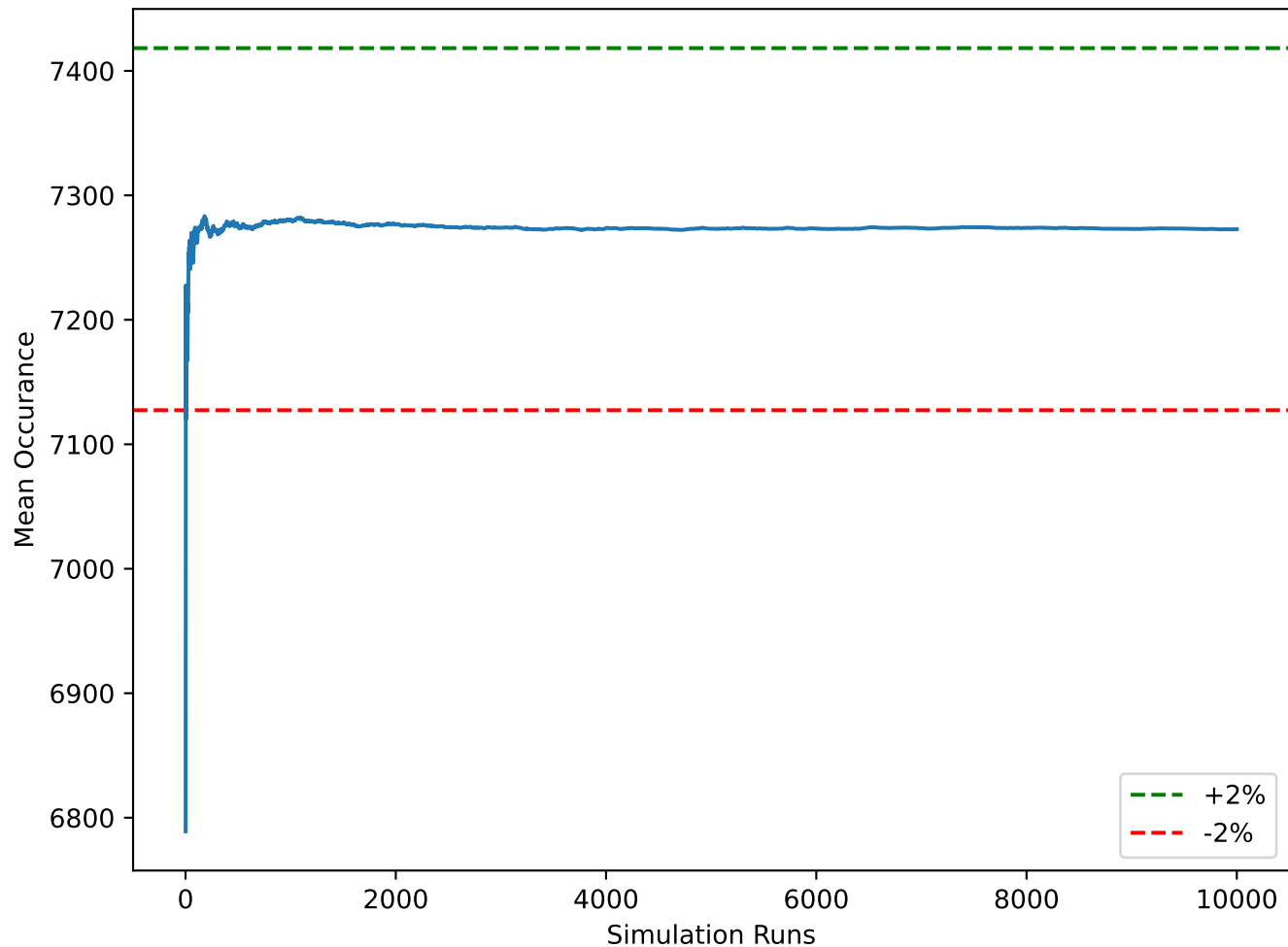
Initial Electron at 100keV For mode v_4 Mean Occurance vs Simulations Ran



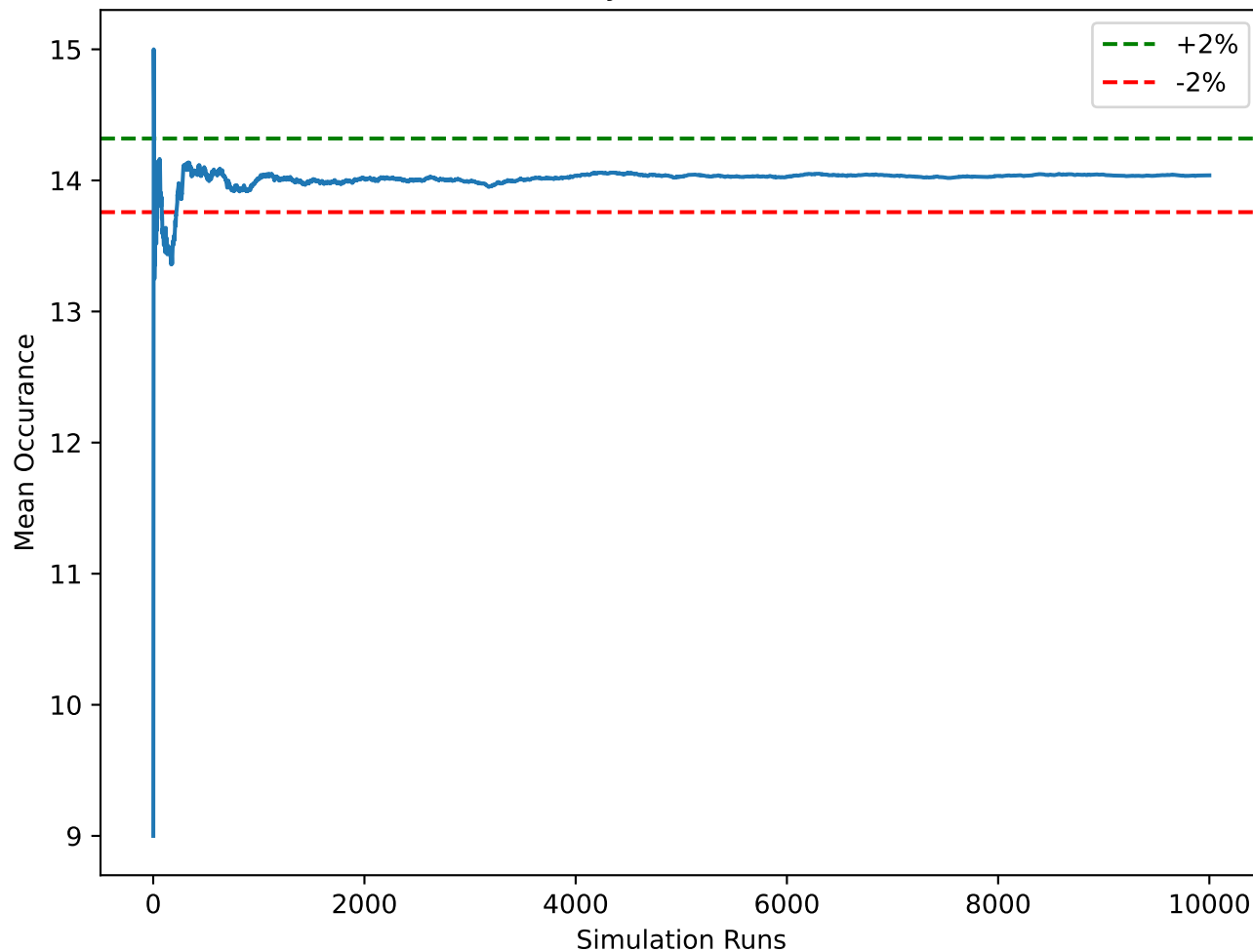
Initial Electron at 100keV For J = 0 to J = 3 Mean Occurance vs Simulations Ran



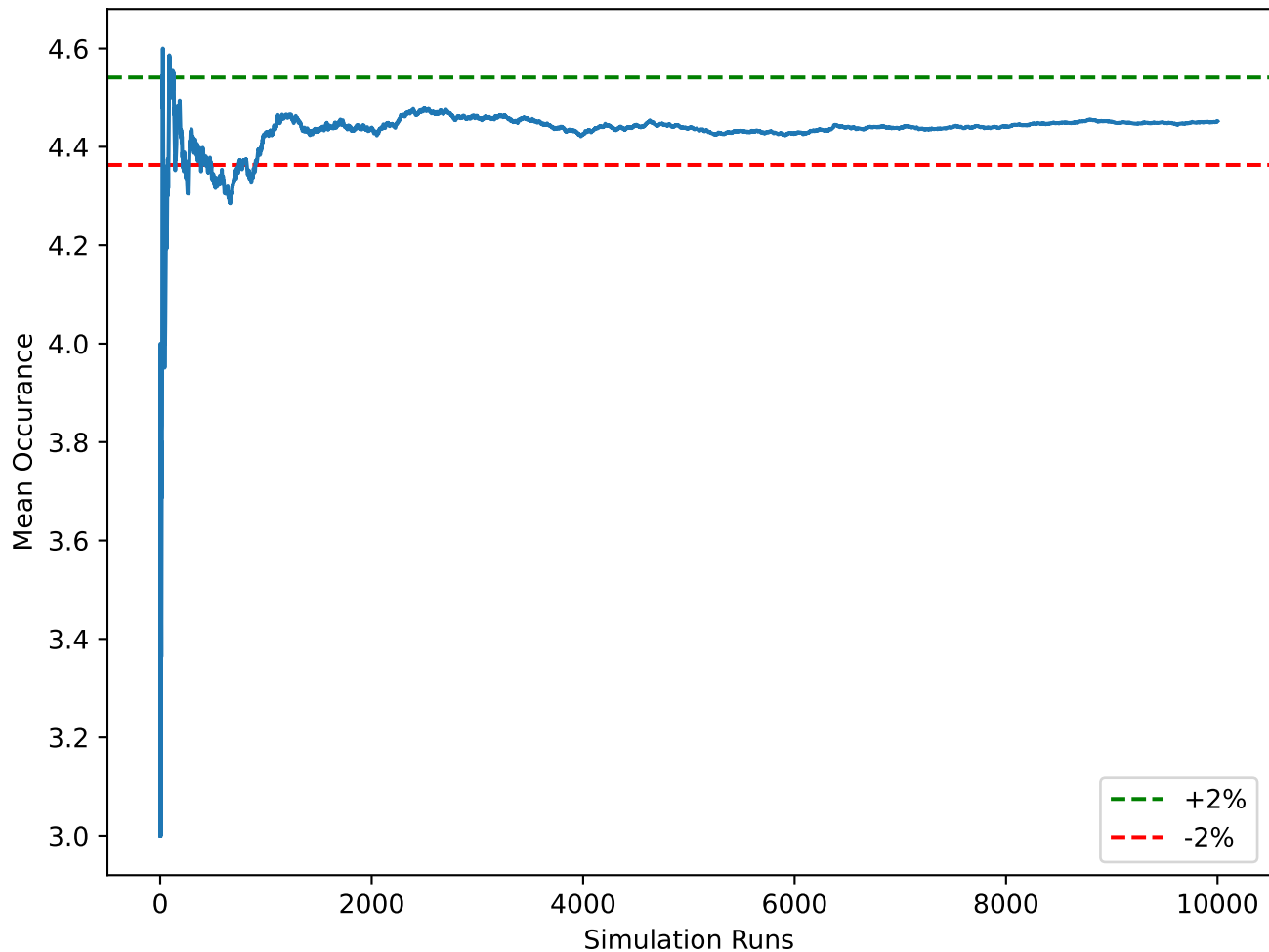
Initial Electron at 100keV For J = 0 to J = 4 Mean Occurance vs Simulations Ran



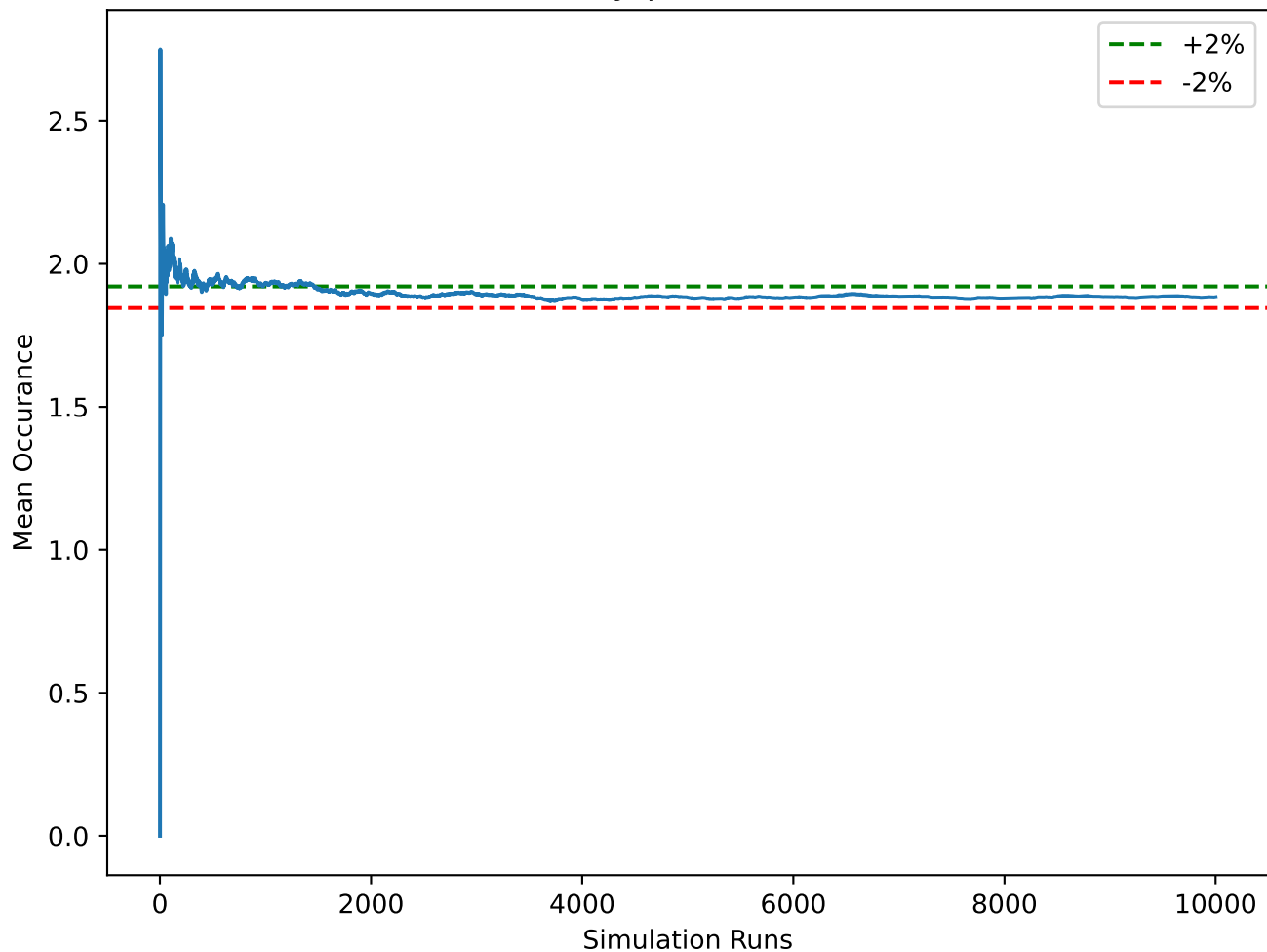
Initial Electron at 100keV For Ly- α Mean Occurance vs Simulations Ran



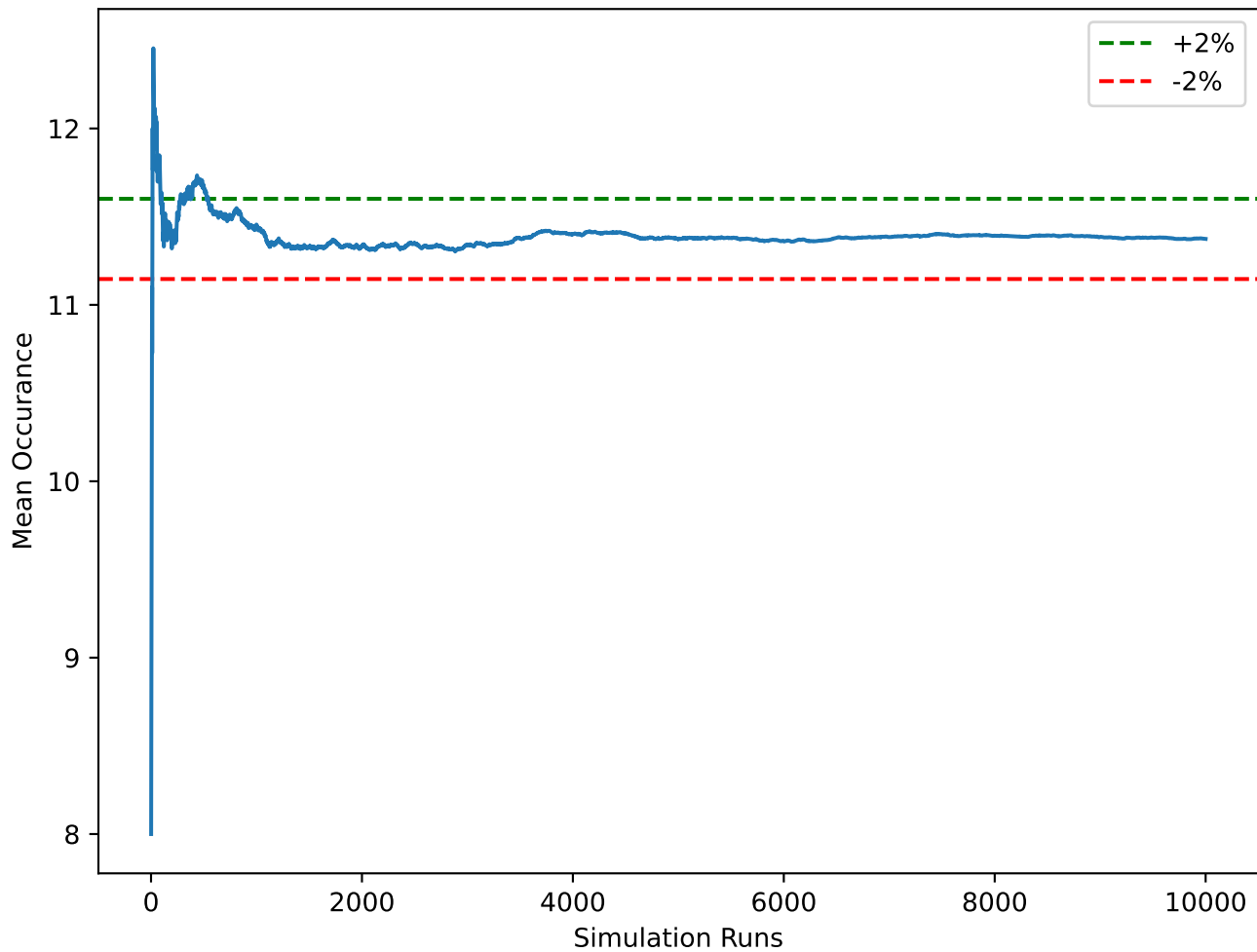
Initial Electron at 100keV For Ly- β Mean Occurance vs Simulations Ran



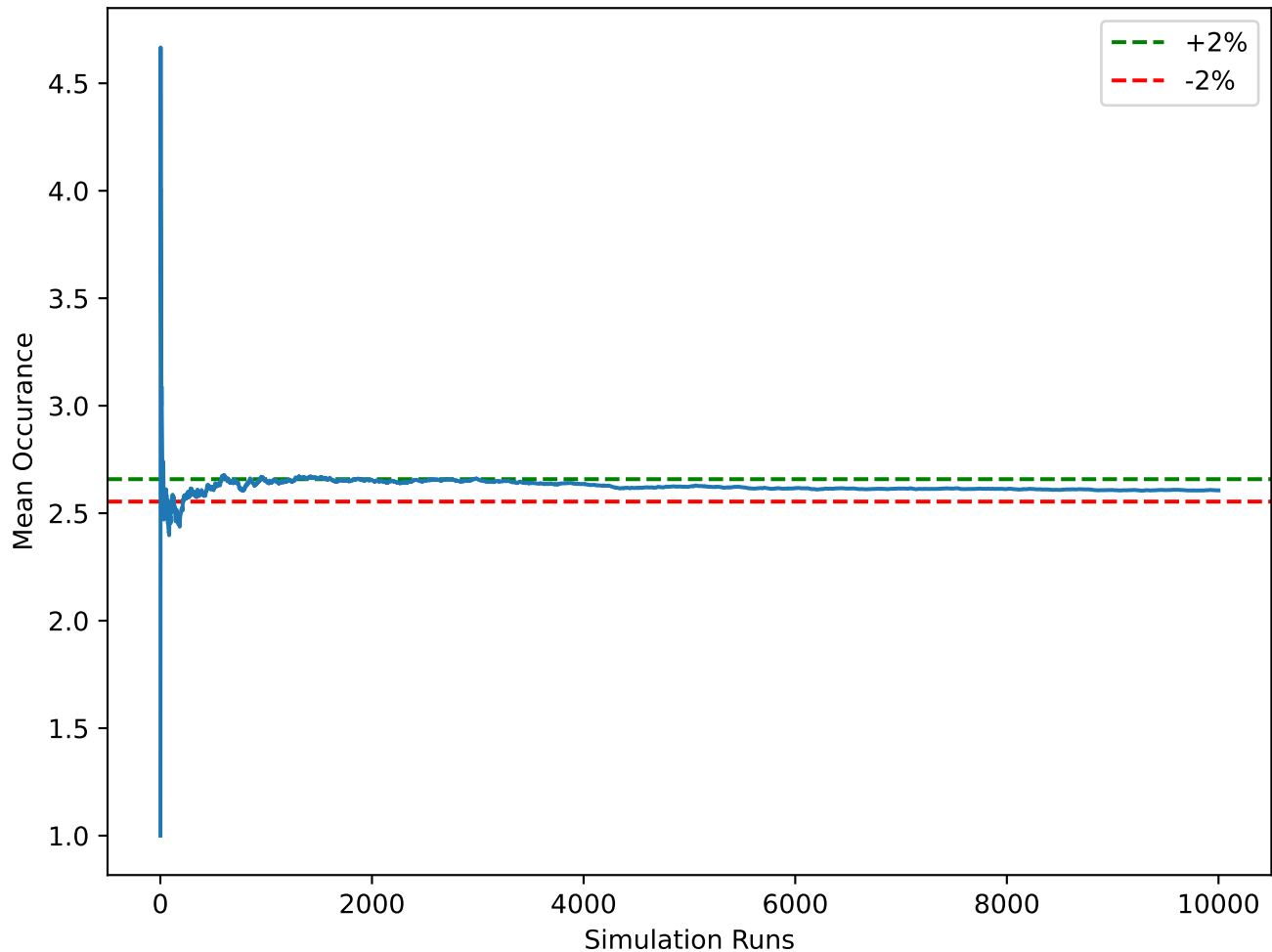
Initial Electron at 100keV For Ly- γ Mean Occurance vs Simulations Ran



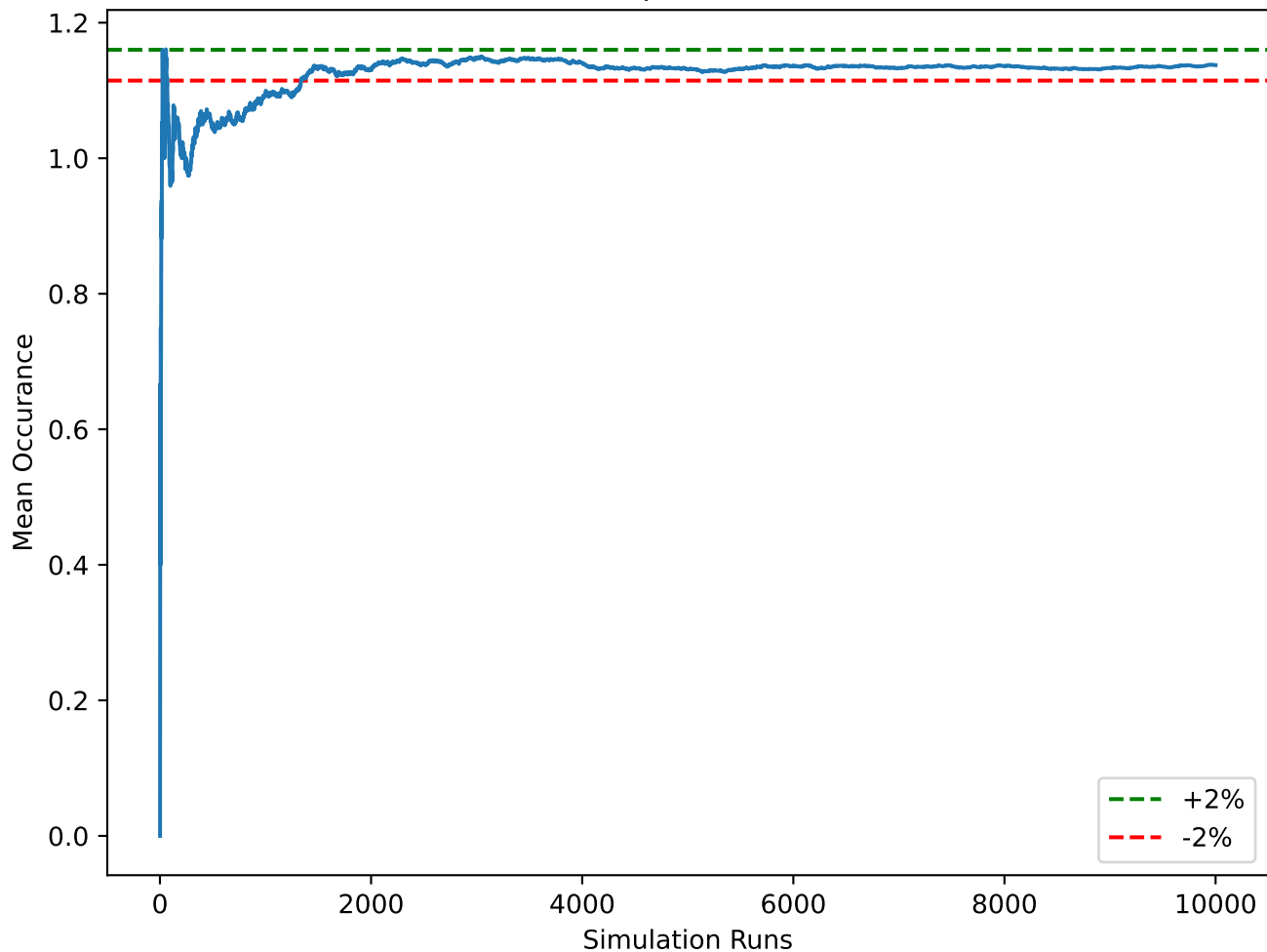
Initial Electron at 100keV For H- α Mean Occurance vs Simulations Ran



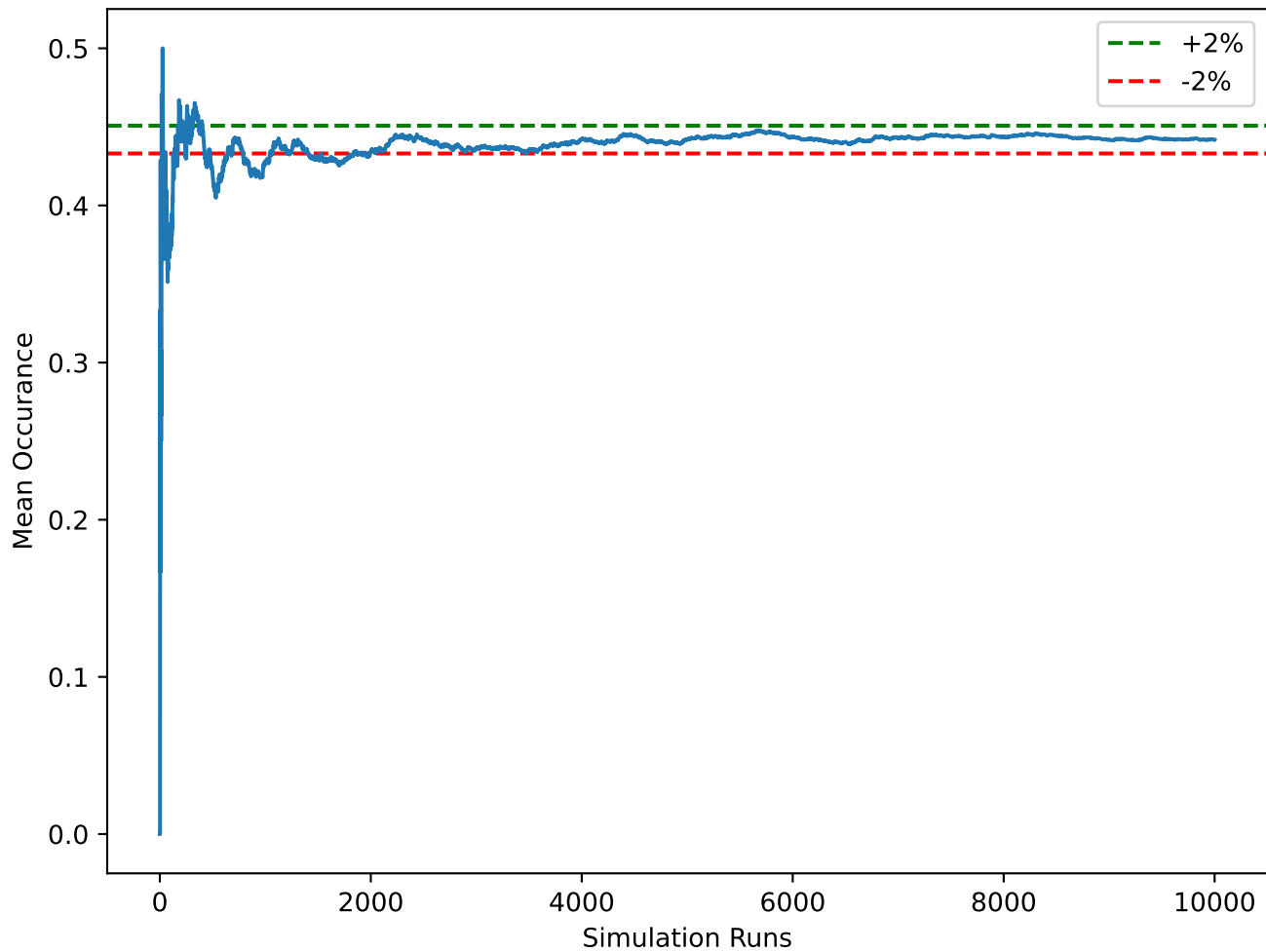
Initial Electron at 100keV For H- β Mean Occurance vs Simulations Ran



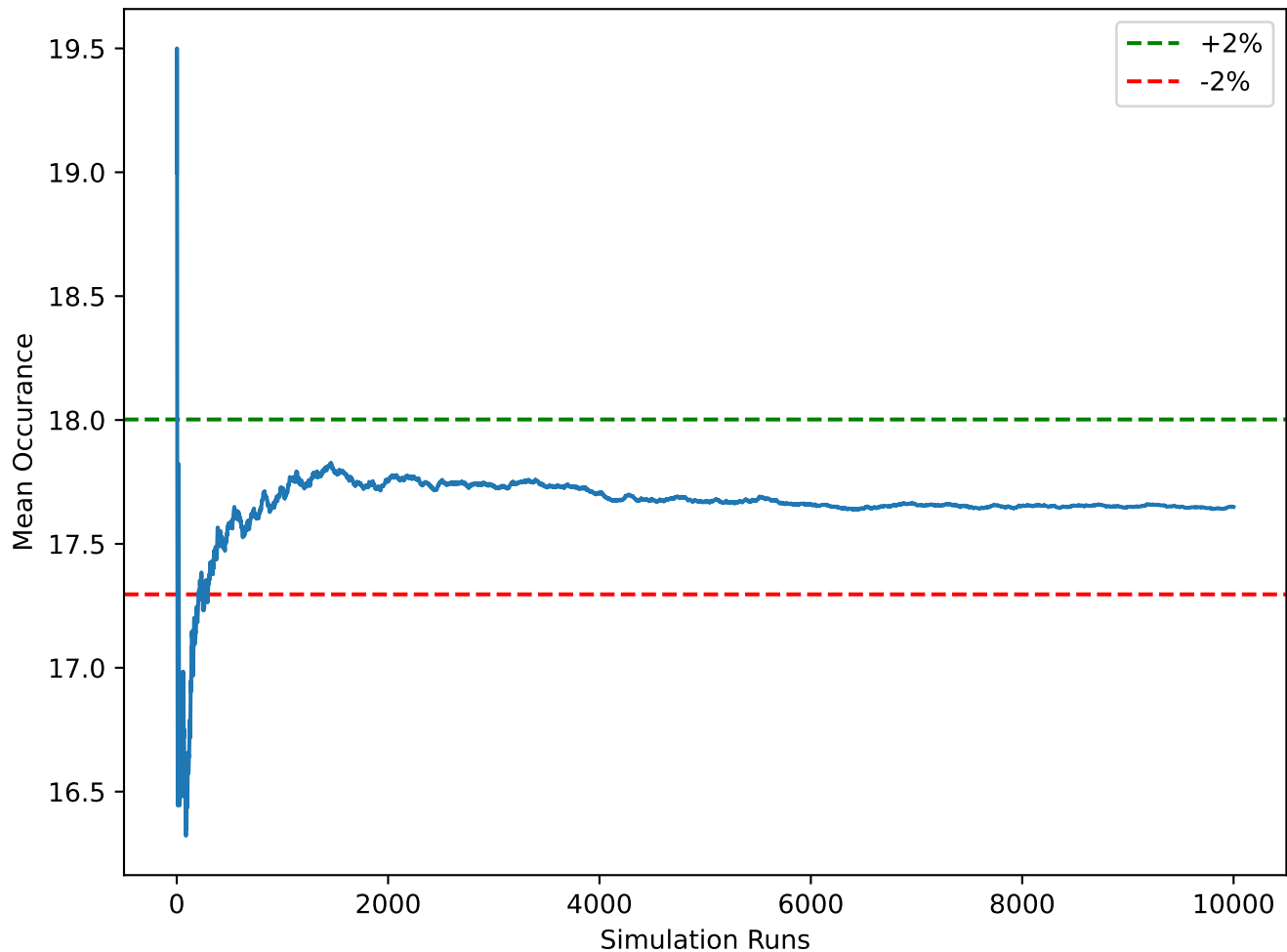
Initial Electron at 100keV For H- γ Mean Occurance vs Simulations Ran



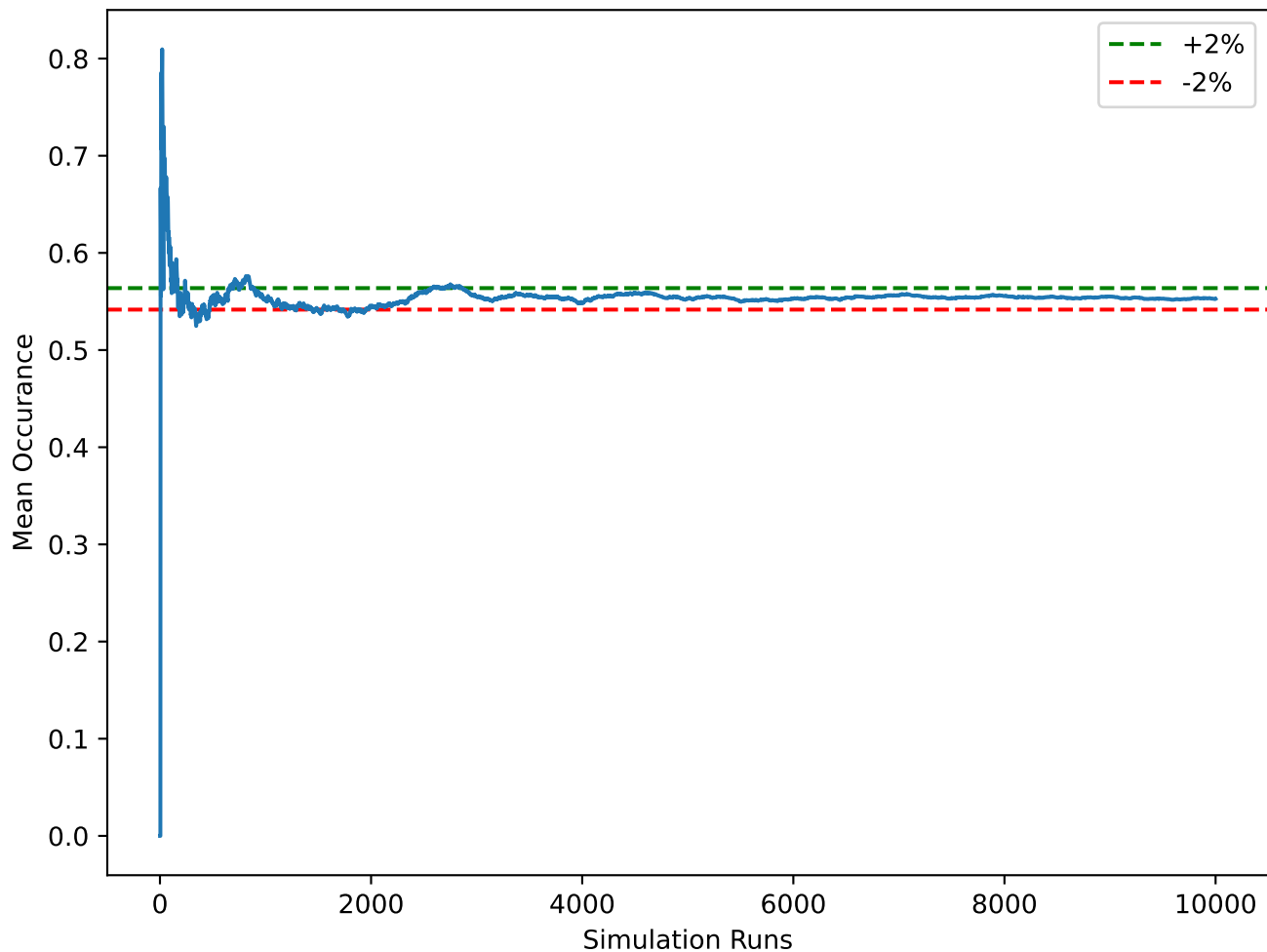
Initial Electron at 100keV For H- δ Mean Occurance vs Simulations Ran



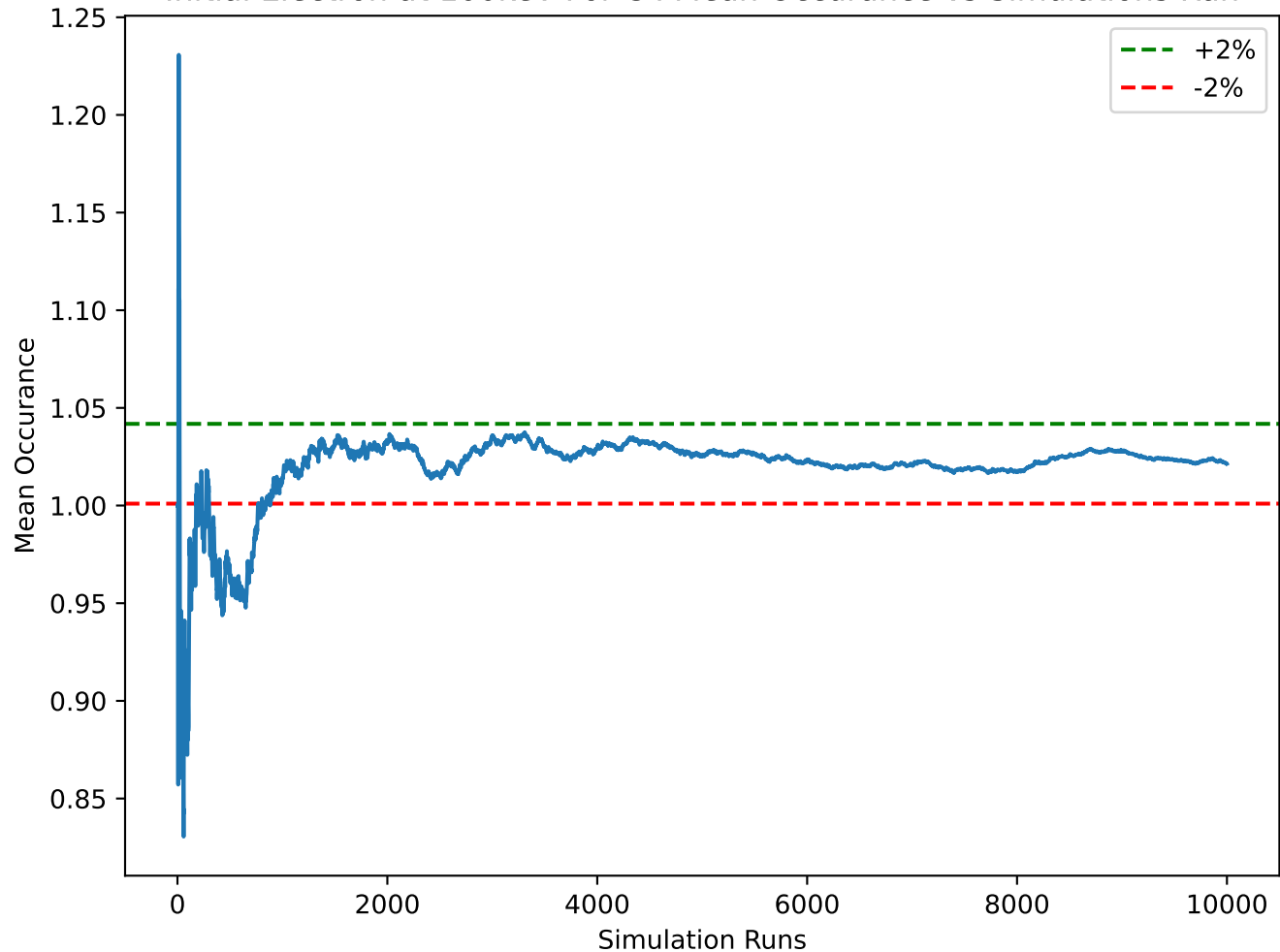
Initial Electron at 100keV For CH G-band Mean Occurance vs Simulations Ran



Initial Electron at 100keV For C III Mean Occurance vs Simulations Ran



Initial Electron at 100keV For C I Mean Occurance vs Simulations Ran



Initial Electron at 100keV For C IV Mean Occurance vs Simulations Ran

