

C Power spectral density plots of bottom surfaces (top ones are similar)

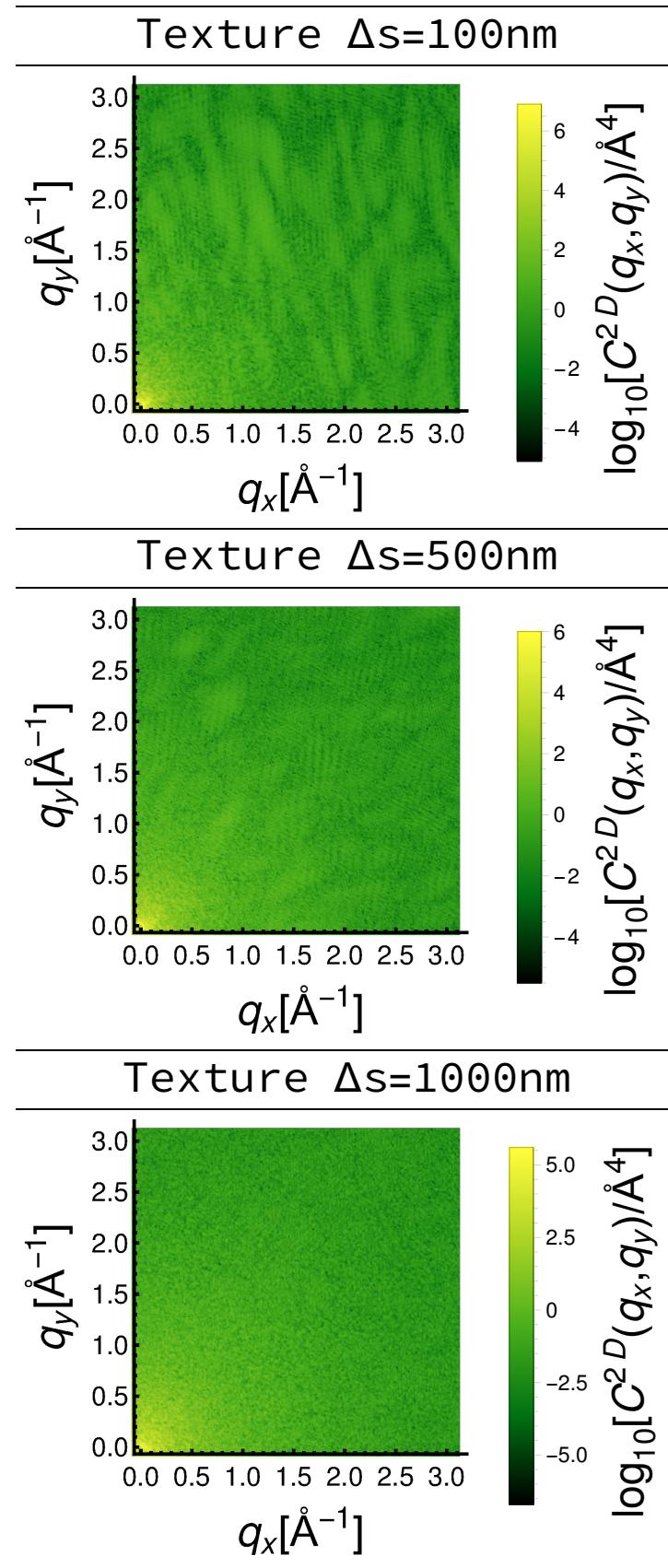


Figure C.1: Quadrant $q_x, q_y > 0$ of PSD initially-rough Si bottom surfaces (crystalline bulk) to assess texture evolution. ⁷

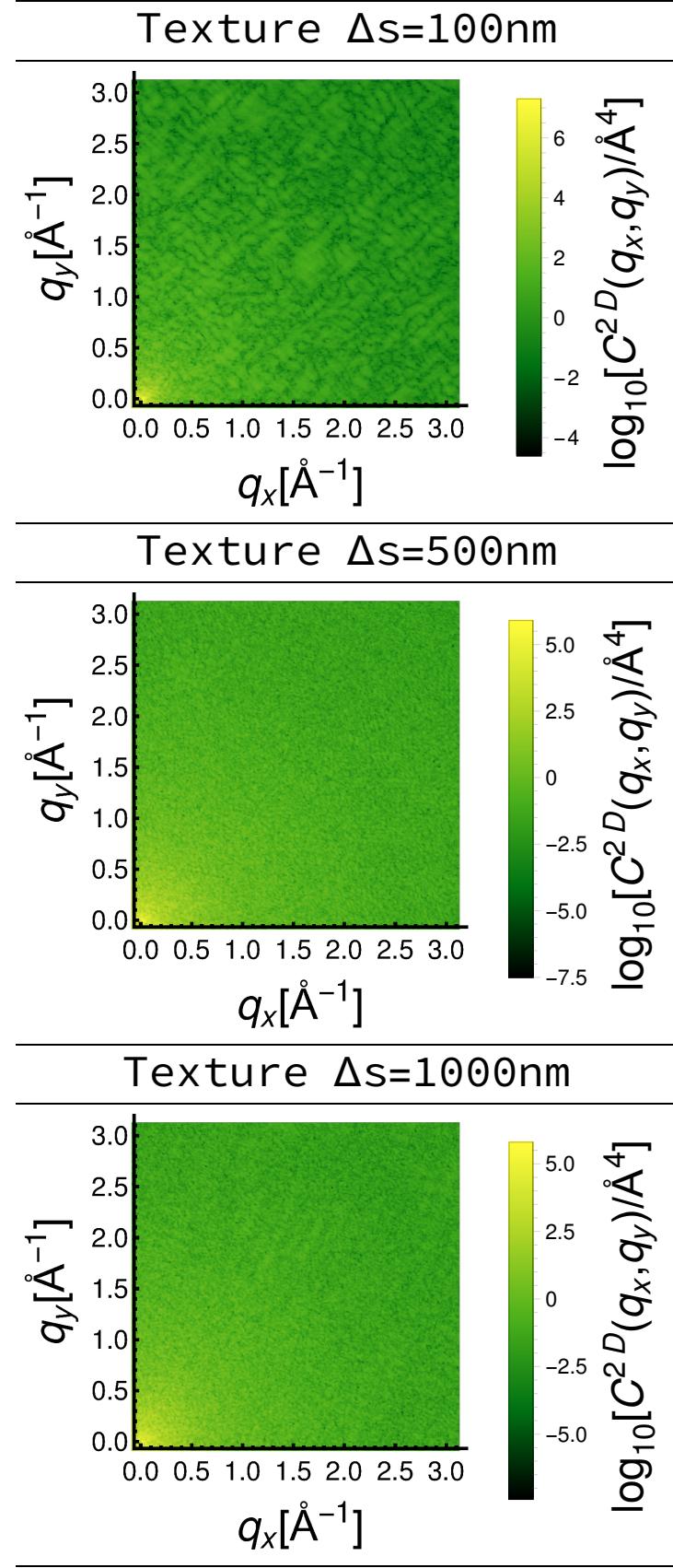


Figure C.2: Quadrant $q_x, q_x > 0$ of PSD initially-rough Si bottom surfaces (nanocrystalline bulk) to assess texture evolution.

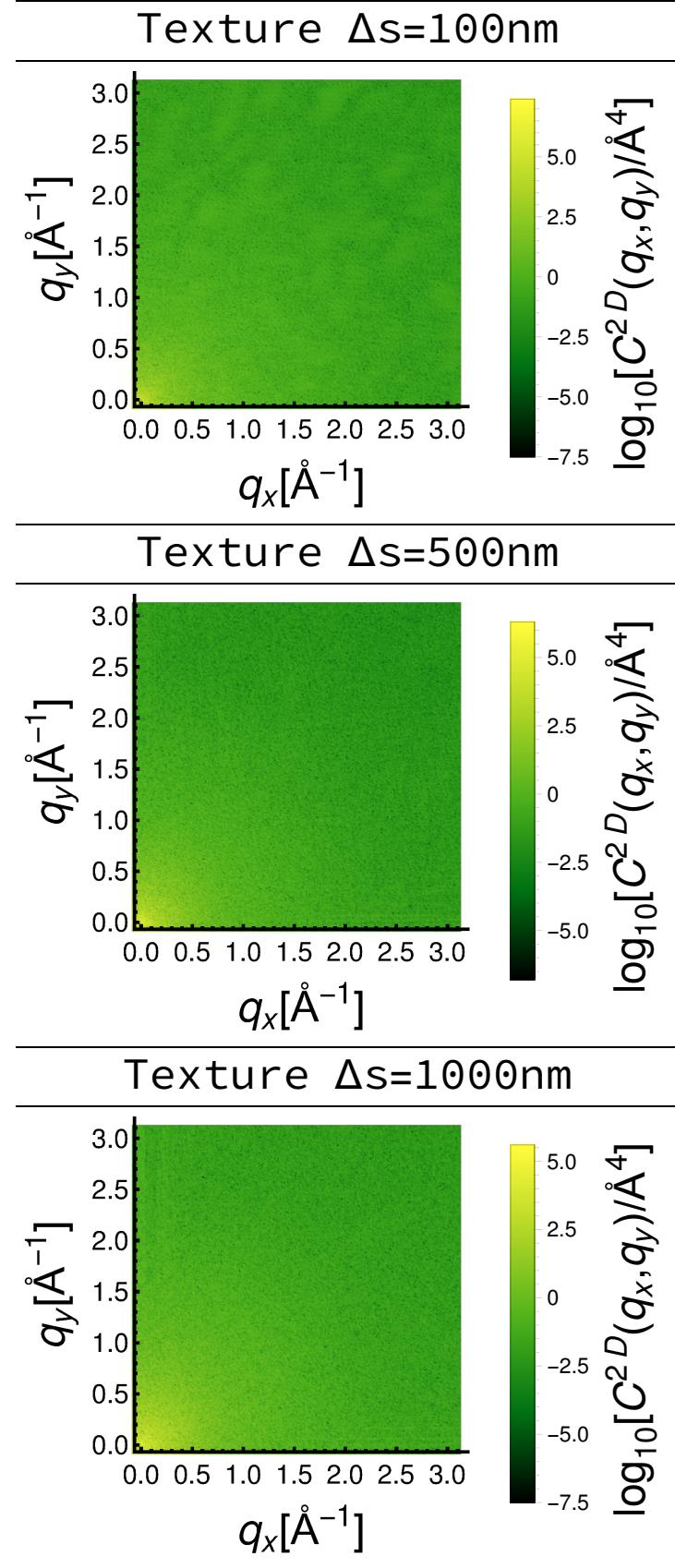


Figure C.3: Quadrant $q_x, q_x > 0$ of PSD initially-flat Si bottom surfaces (nanocrystalline bulk) to assess texture evolution.

D Hurst exponent fitting

D.1 Flat surface with nanocrystalline bulk

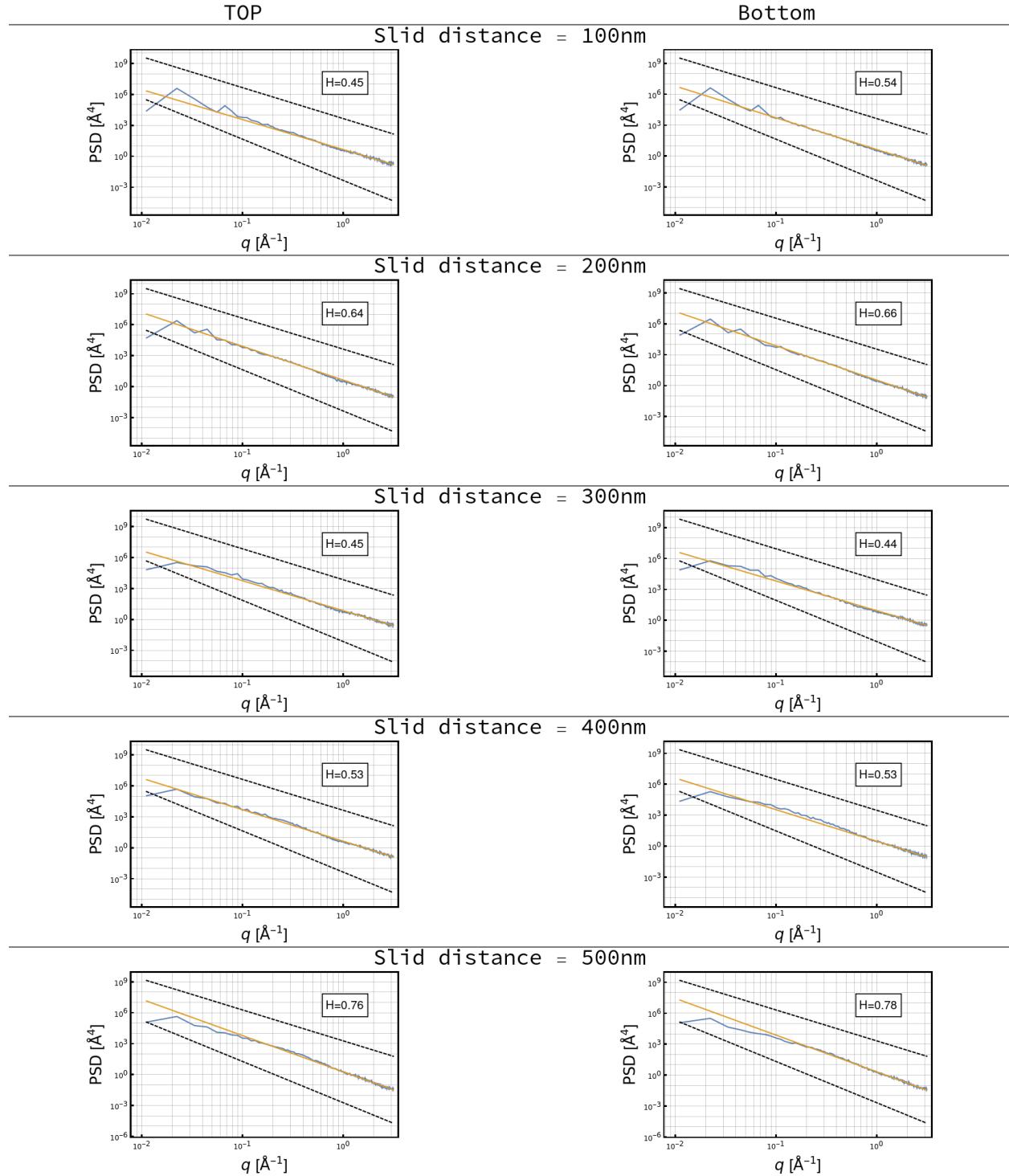


Figure D.1: Fitting the Hurst exponent in initially-flat Si surfaces over first sliding stages.

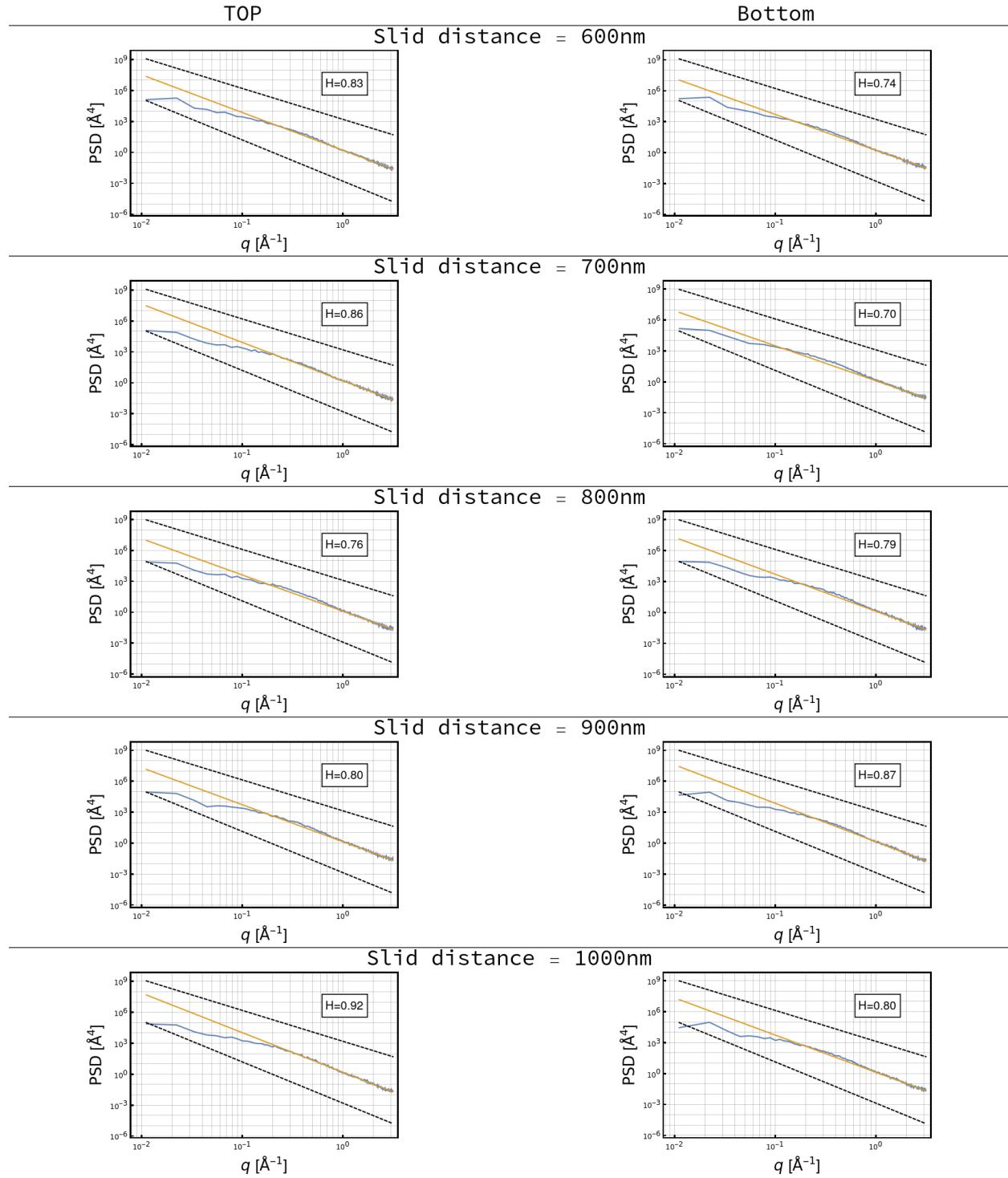


Figure D.2: Fitting the Hurst exponent in initially-flat Si surfaces over last sliding stages.

D.2 Rough surface with nanocrystalline bulk

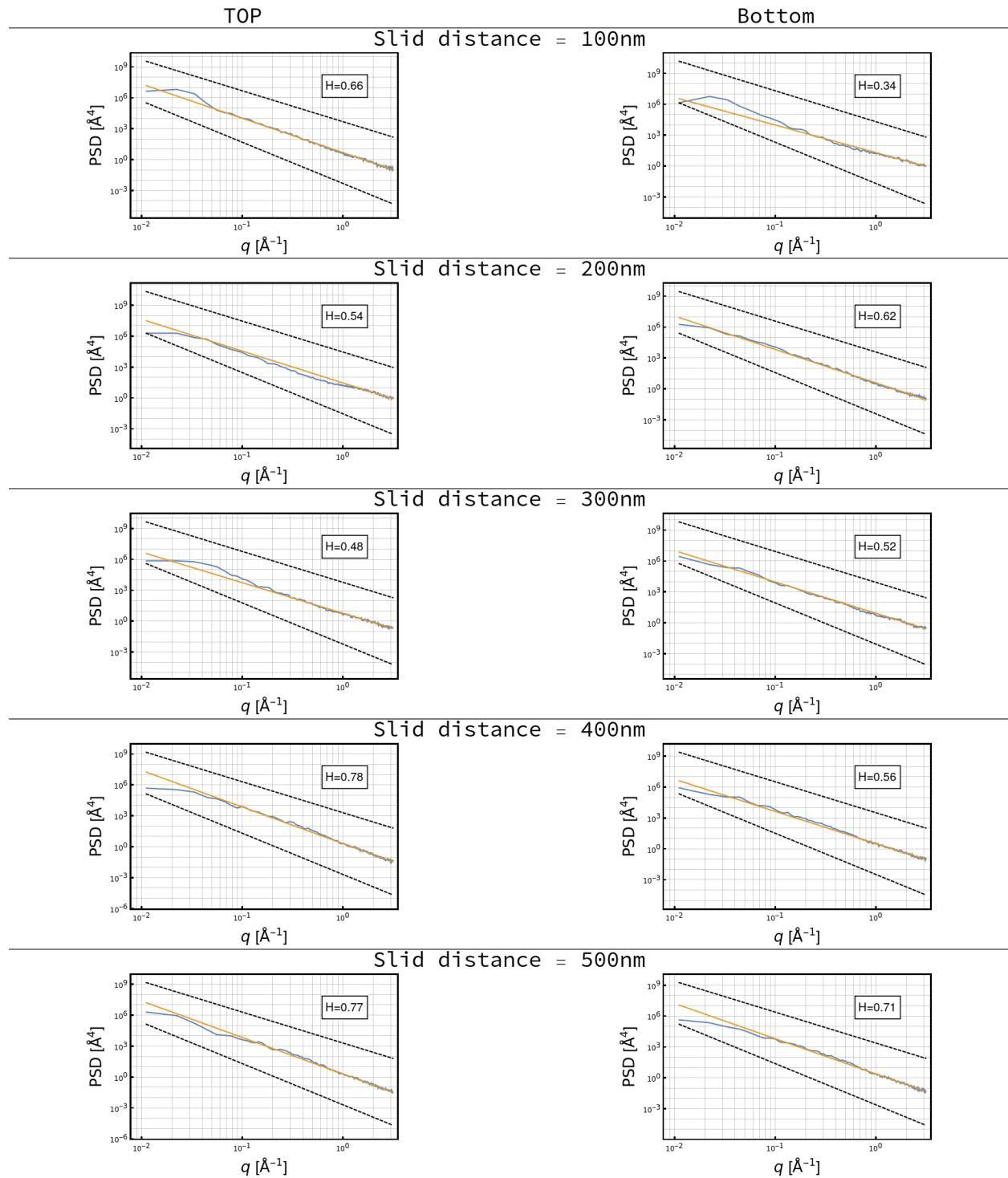


Figure D.3: Fitting the Hurst exponent in initially-rough Si surfaces (nanocrystalline bulk) over first sliding stages.

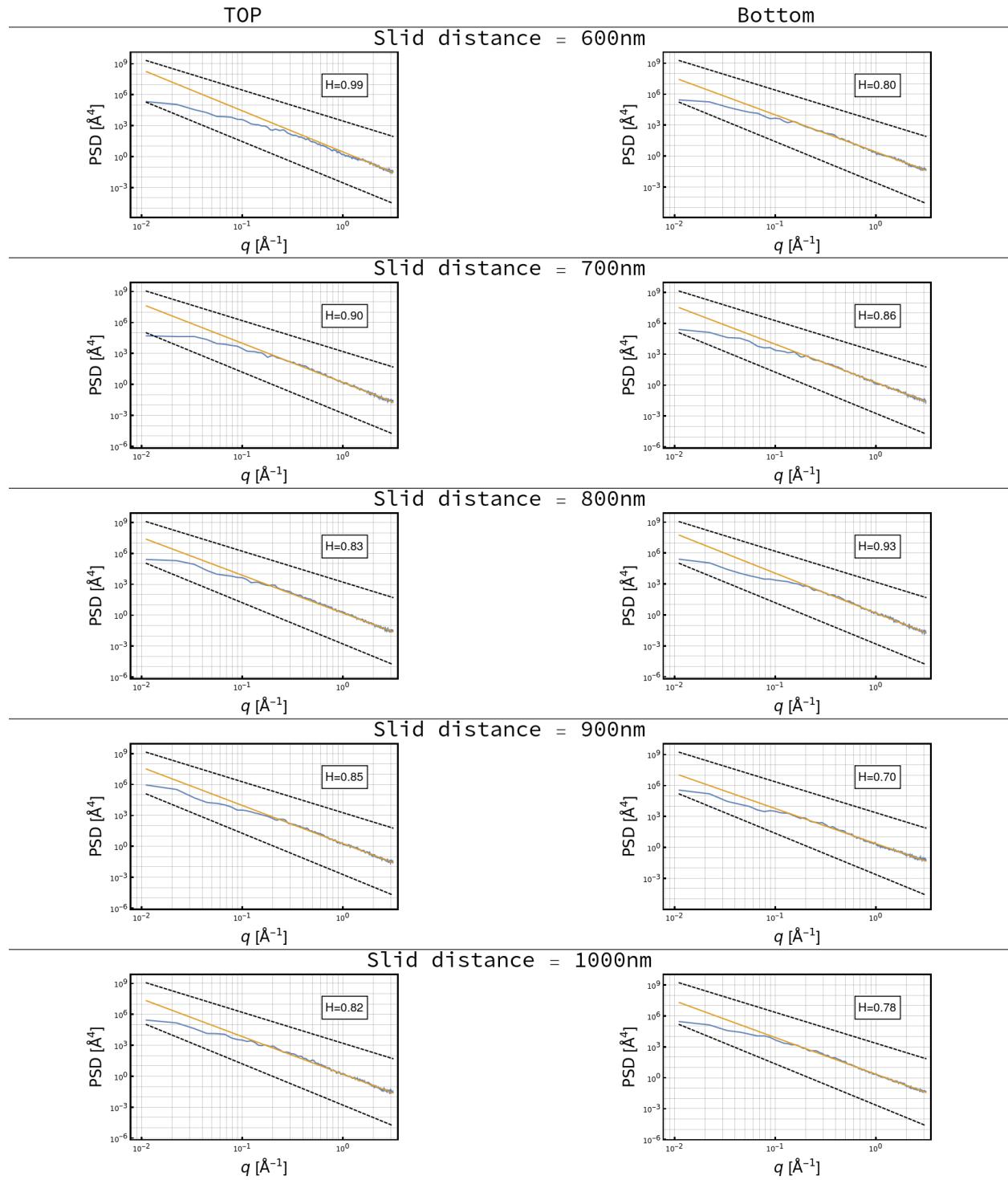


Figure D.4: Fitting the Hurst exponent in initially-rough Si surfaces (nanocrystalline bulk) over first sliding stages.

D.3 Rough surface with single-crystal bulk

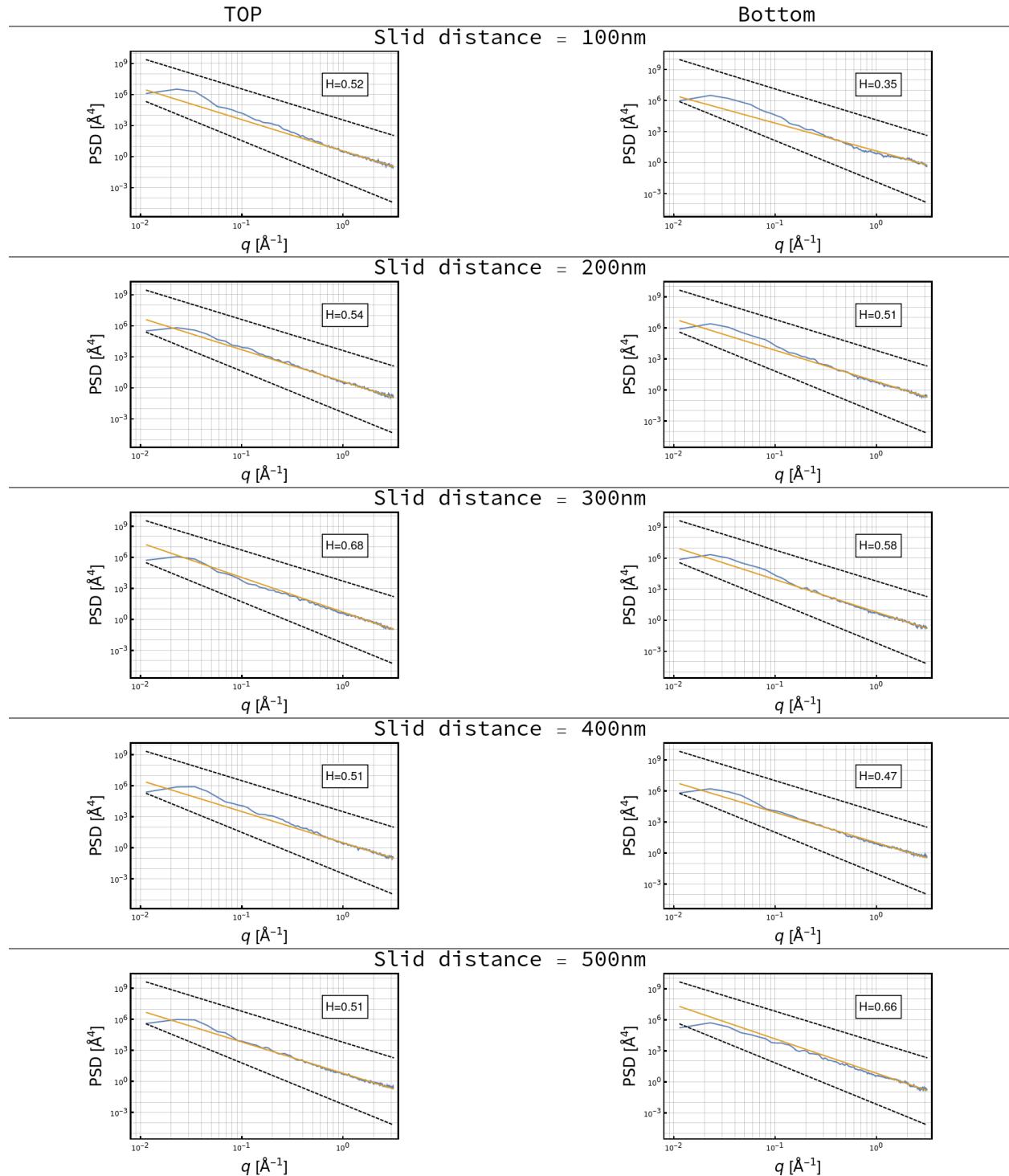


Figure D.5: Fitting the Hurst exponent in initially-rough Si surfaces (crystalline bulk) over first sliding stages.

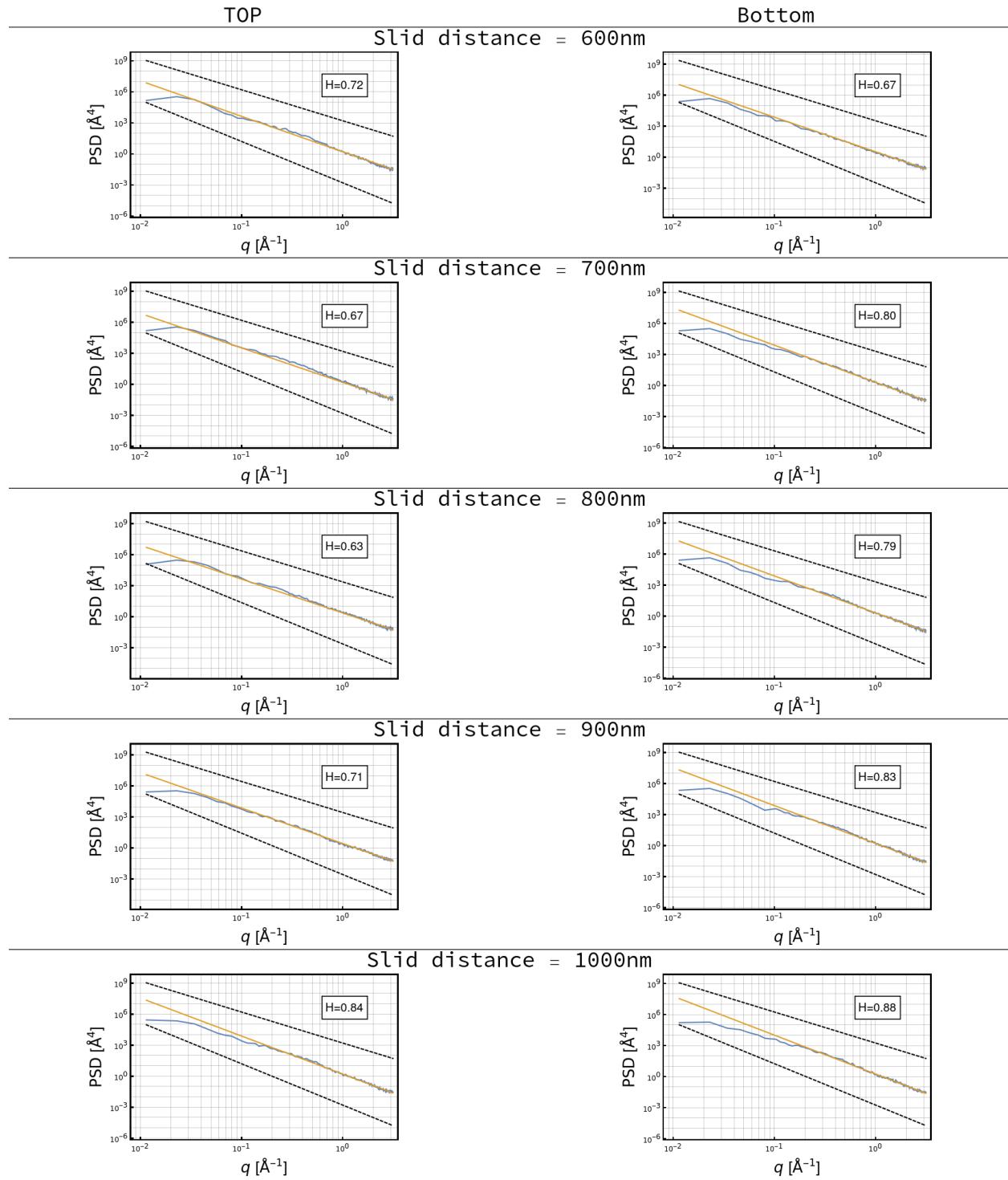


Figure D.6: Fitting the Hurst exponent in initially-rough Si surfaces (crystalline bulk) over last sliding stages.