

## Electron Dynamics in MoS<sub>2</sub>-Graphite Heterostructures Electronic Supplementary Information

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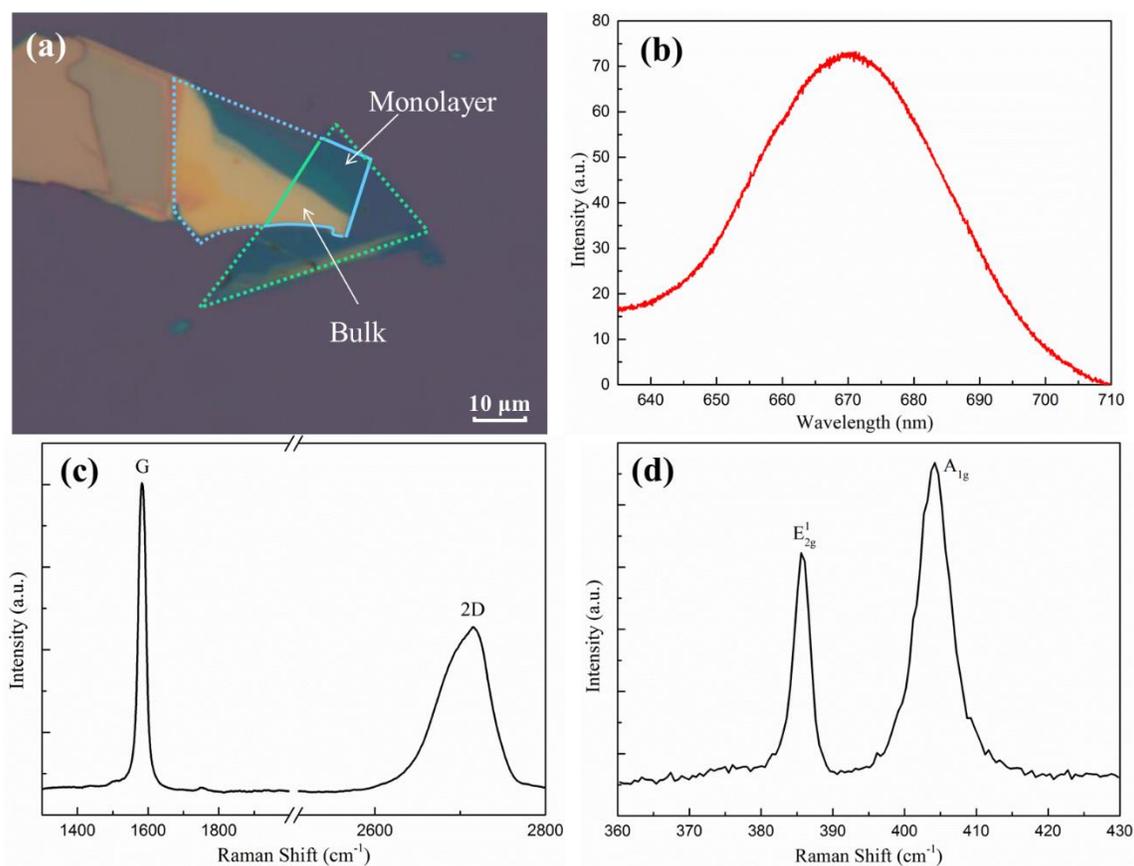


Figure S1: (a) Microscope image of the sample containing both heterostructures to be studied. (b) Photoluminescence spectrum of monolayer MoS<sub>2</sub>. (c) Raman spectrum of the multilayer graphite flake. (d) Raman spectrum of the monolayer MoS<sub>2</sub> flake.

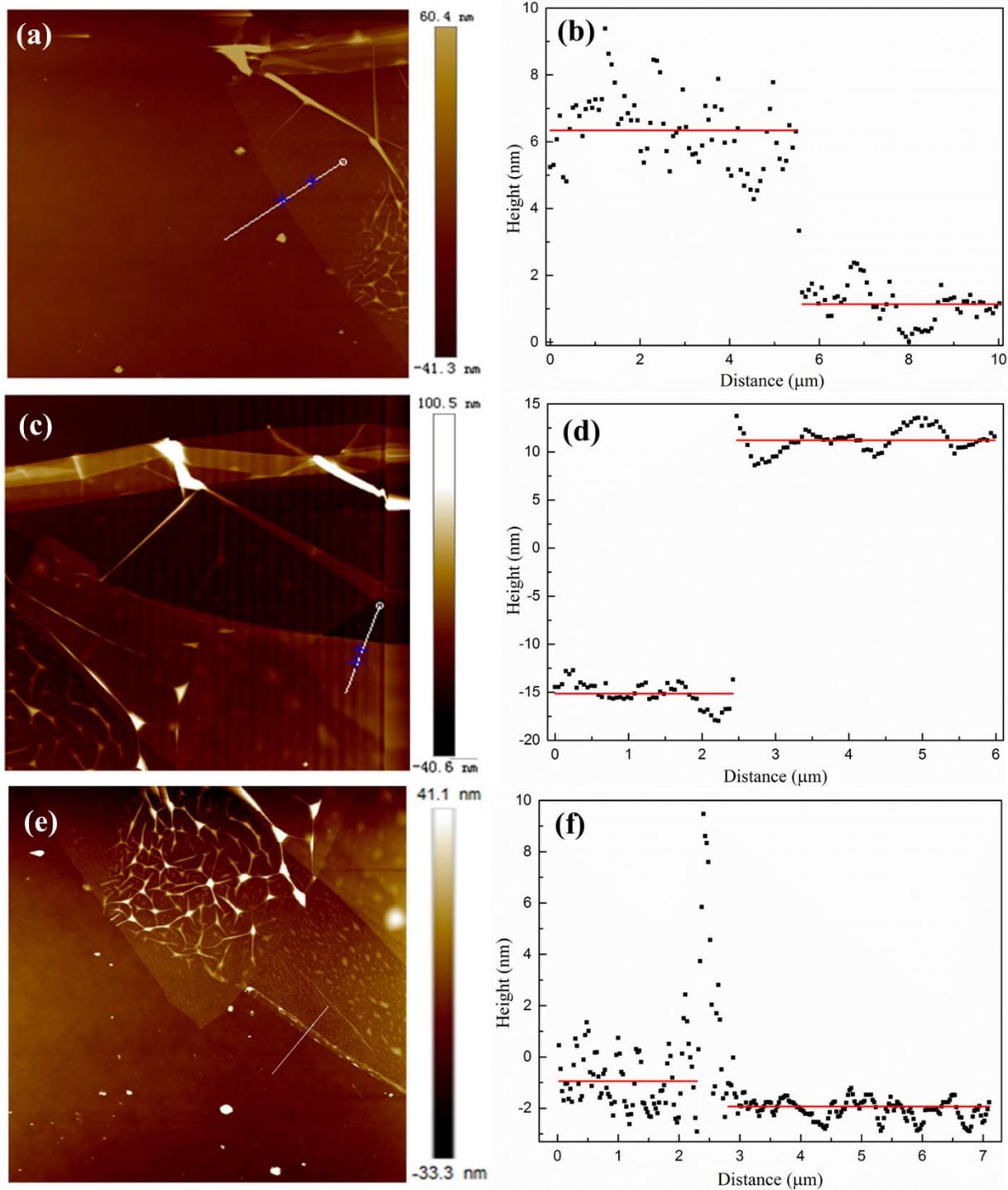


Figure S2: Atomic force microscope images of multilayer graphite (a), bulk-like MoS<sub>2</sub> (c), and monolayer MoS<sub>2</sub> (e) flakes. (b), (d), and (f) are line scans from the white line shown in (a), (c), and (e), respectively.

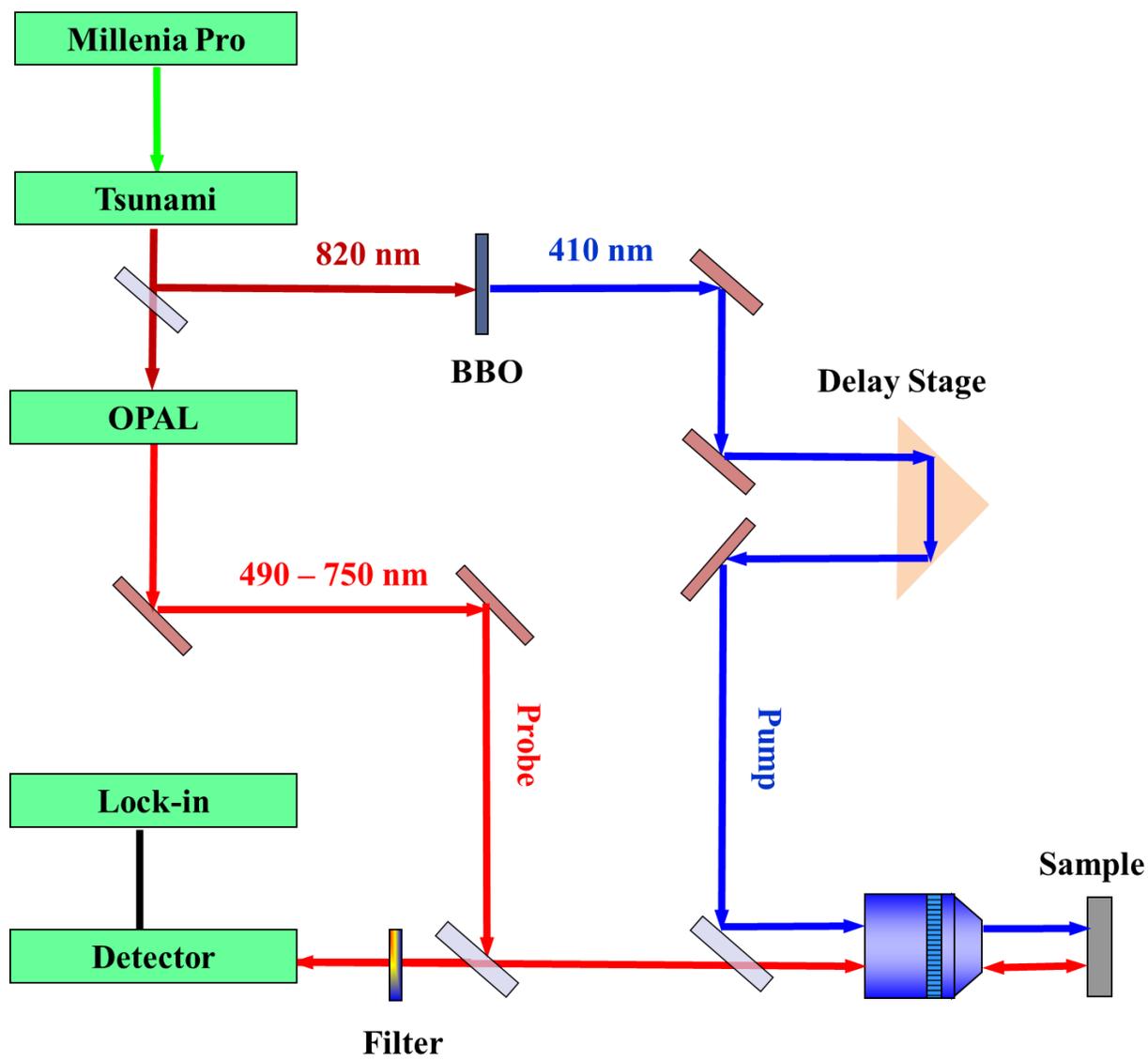


Figure S3: Schematics of the differential reflection setup.