



Supporting Information

for

Electron transport through nanoscale multilayer graphene and hexagonal boron nitride junctions

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Transmission spectra for 0.0 and 0.8 V applied biases for all investigated junctions

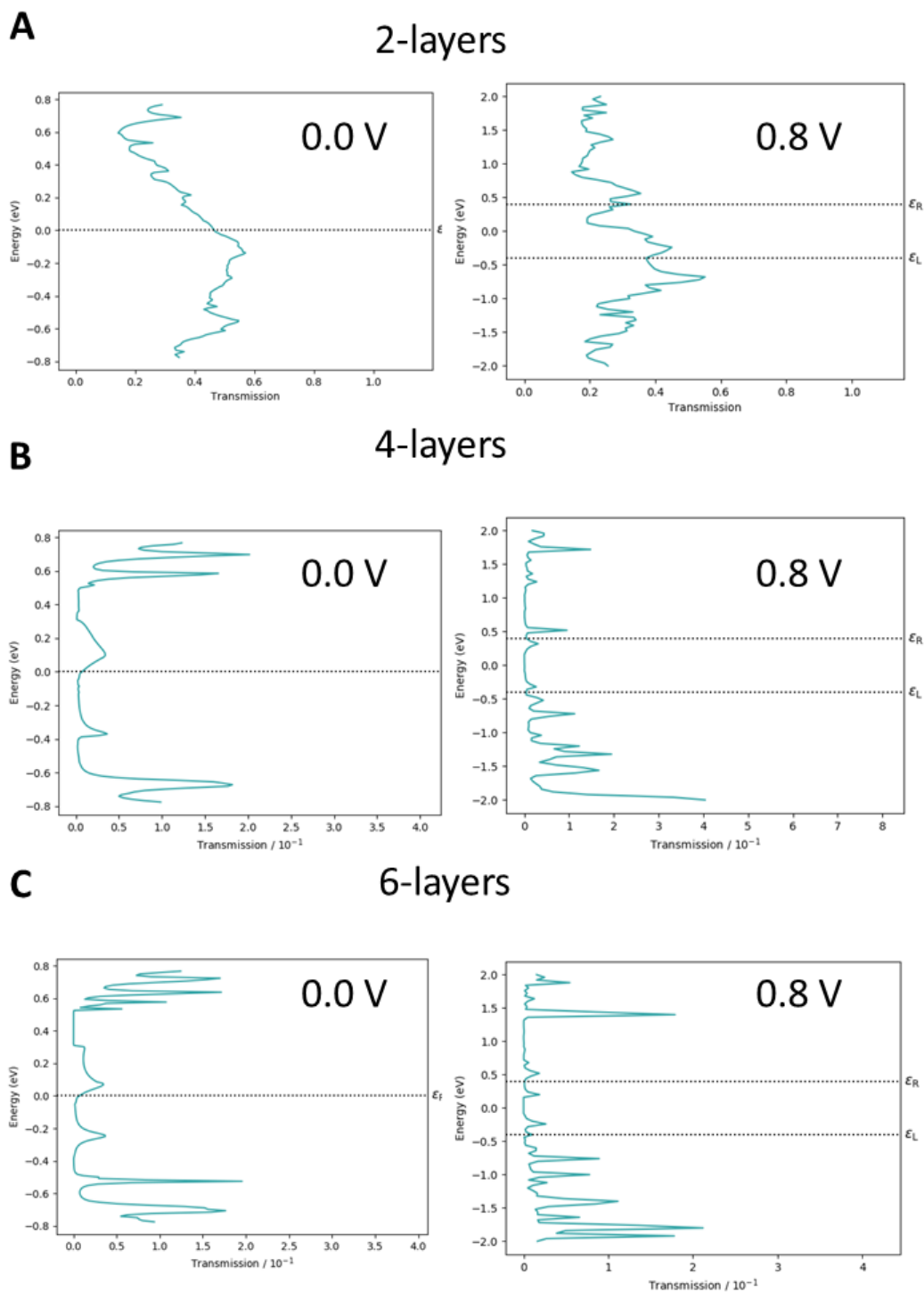


Figure S1: Transmission spectra for 0.0 and 0.8 V applied biases through Pt/graphene/Pt junctions with (A) two layers, (B) four layers, and (C) six layers.

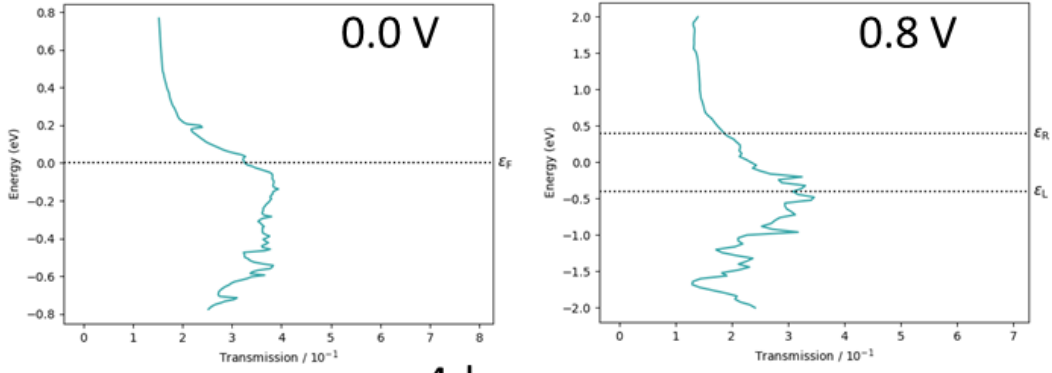
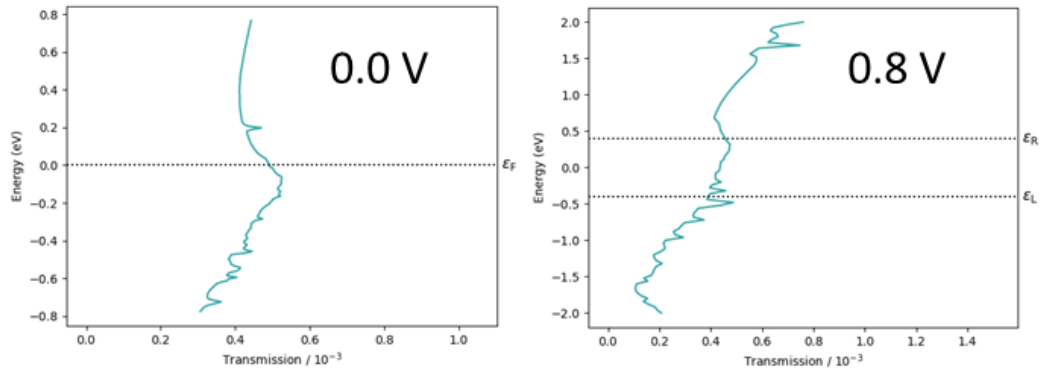
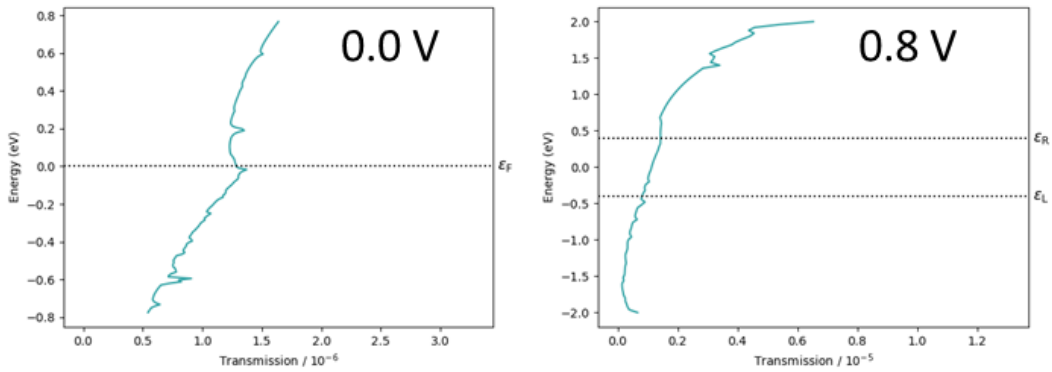
A**2-layers****B****4-layers****C****6-layers**

Figure S2: Transmission spectra for 0.0 and 0.8 V applied biases through Pt/h-BN/Pt junctions with (A) two layers, (B) four layers, and (C) six layers.

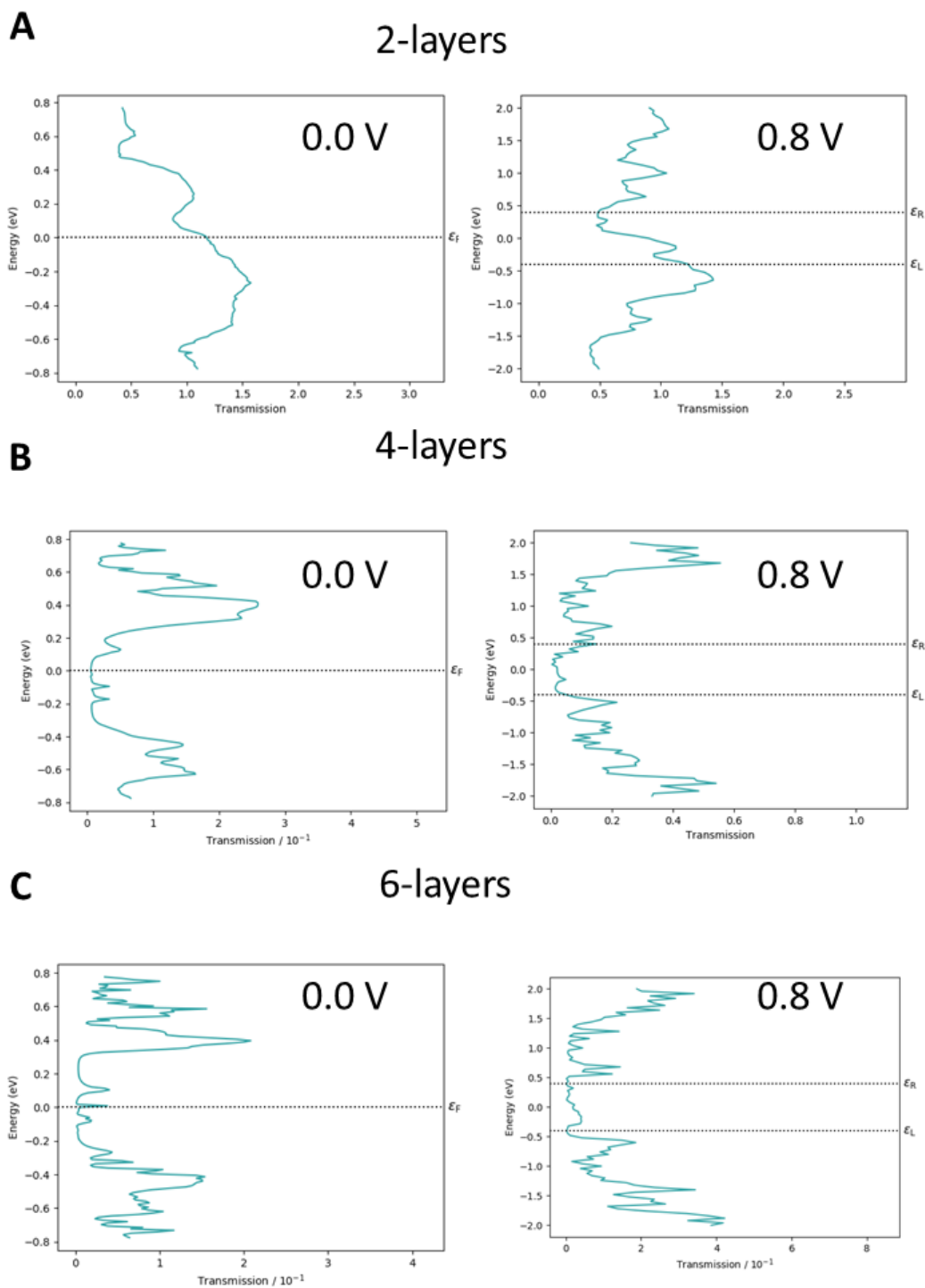


Figure S3: Transmission spectra for 0.0 and 0.8 V applied biases through Pt/graphene with Stone–Wales defect/Pt junction with (A) two layers, (B) four layers, and (C) six layers.

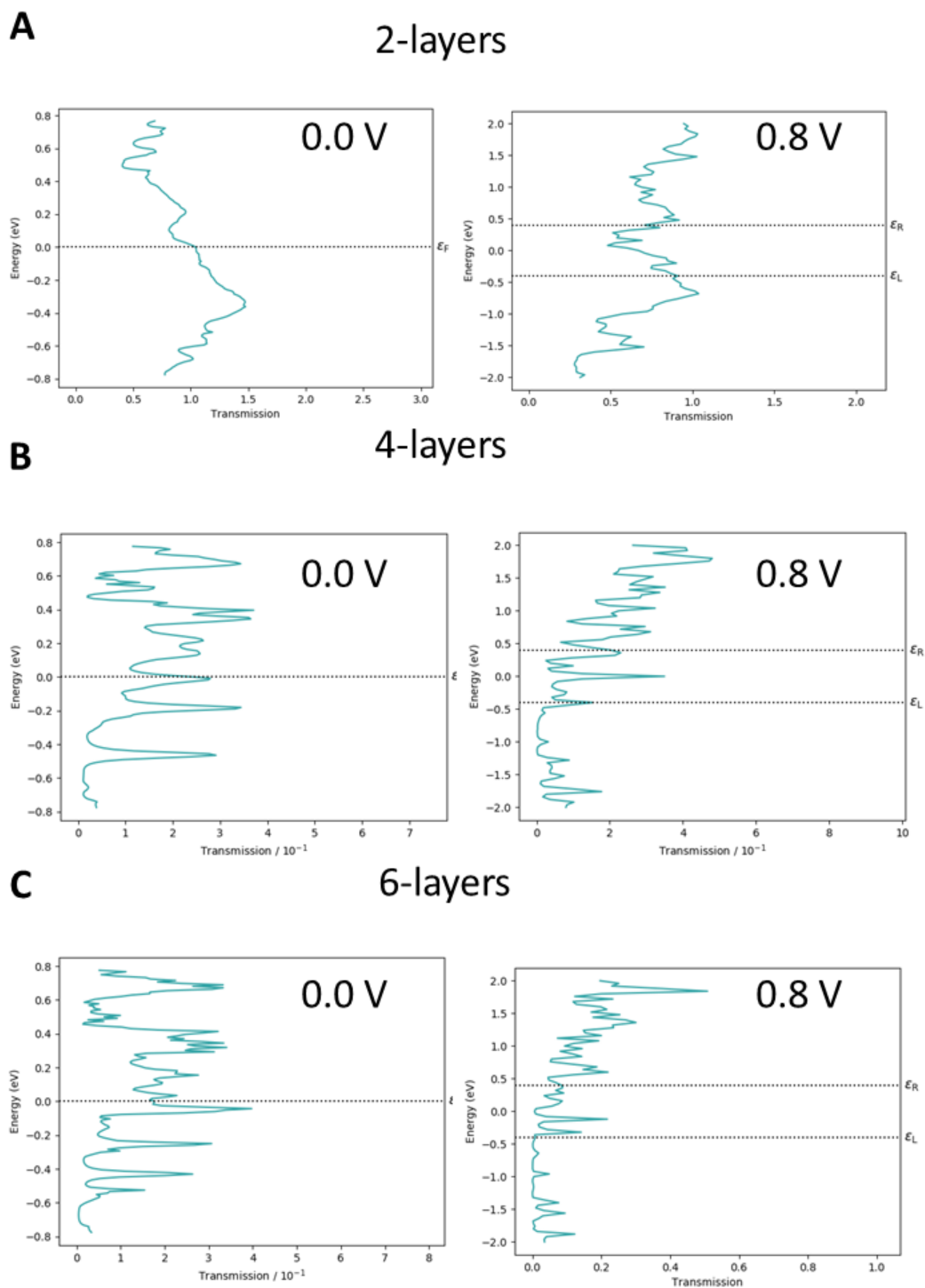


Figure S4: Transmission spectra for 0.0 and 0.8 V applied biases through Pt/graphene with N-doping/Pt junction with (A) two layers, (B) four layers, and (C) six layers.

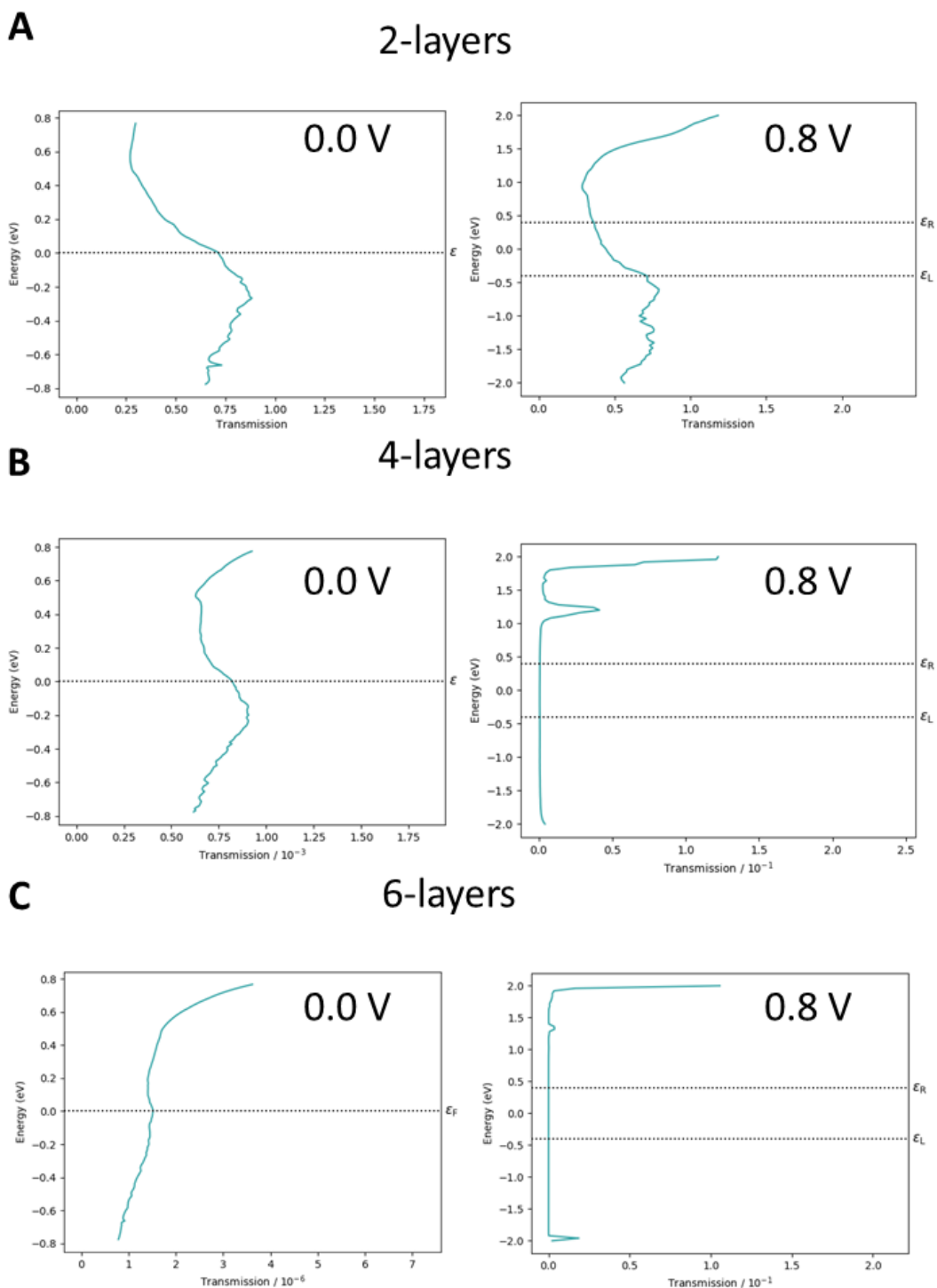


Figure S5: Transmission spectra for 0.0 and 0.8 V applied biases through Pt/h-BN with Stone–Wales defect/Pt junction with (A) two layers, (B) four layers, and (C) six layers.