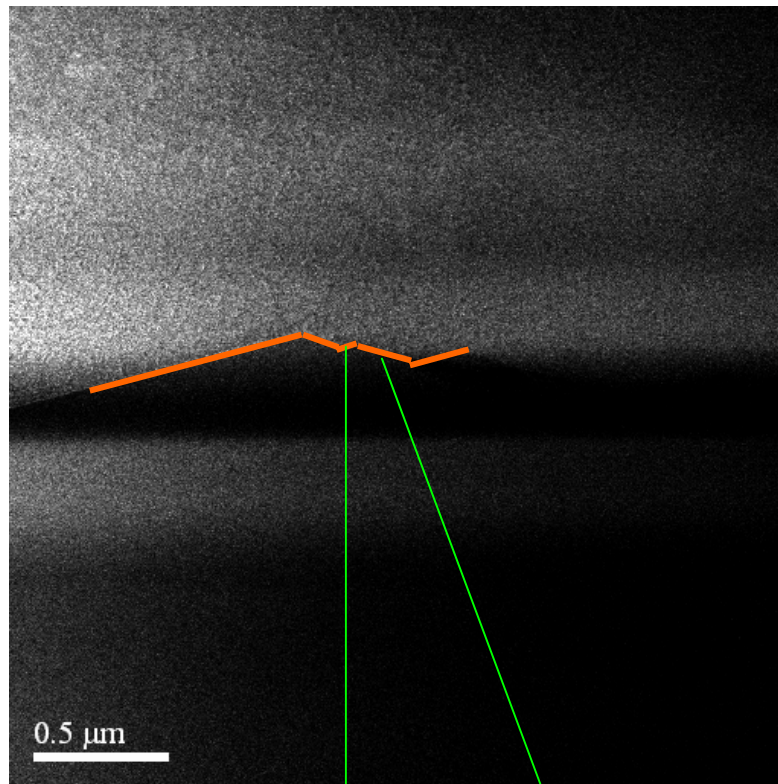


Ni-Bi sample-700C annealed

Zhiyang Yu

Supervisor: Martin P. Harmer

upper crystal edge on

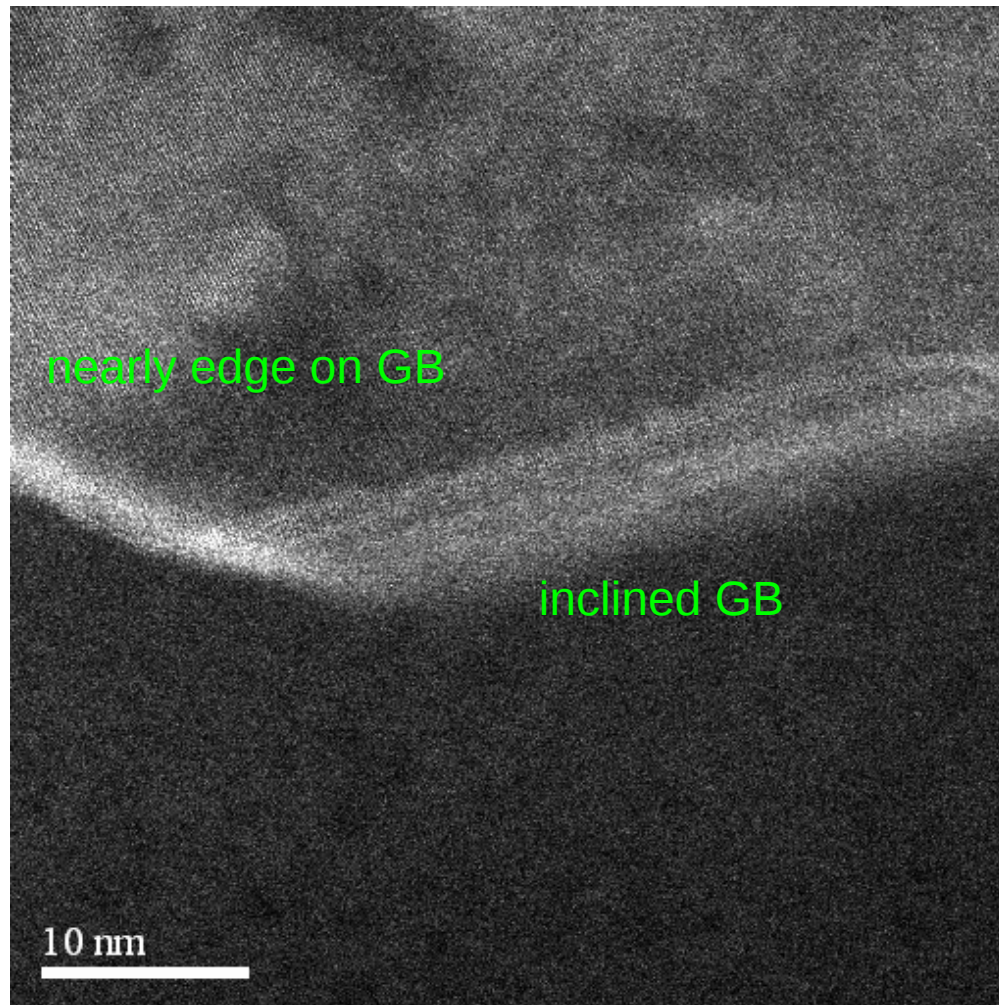


side faceting of Ni-Bi grain
boundary

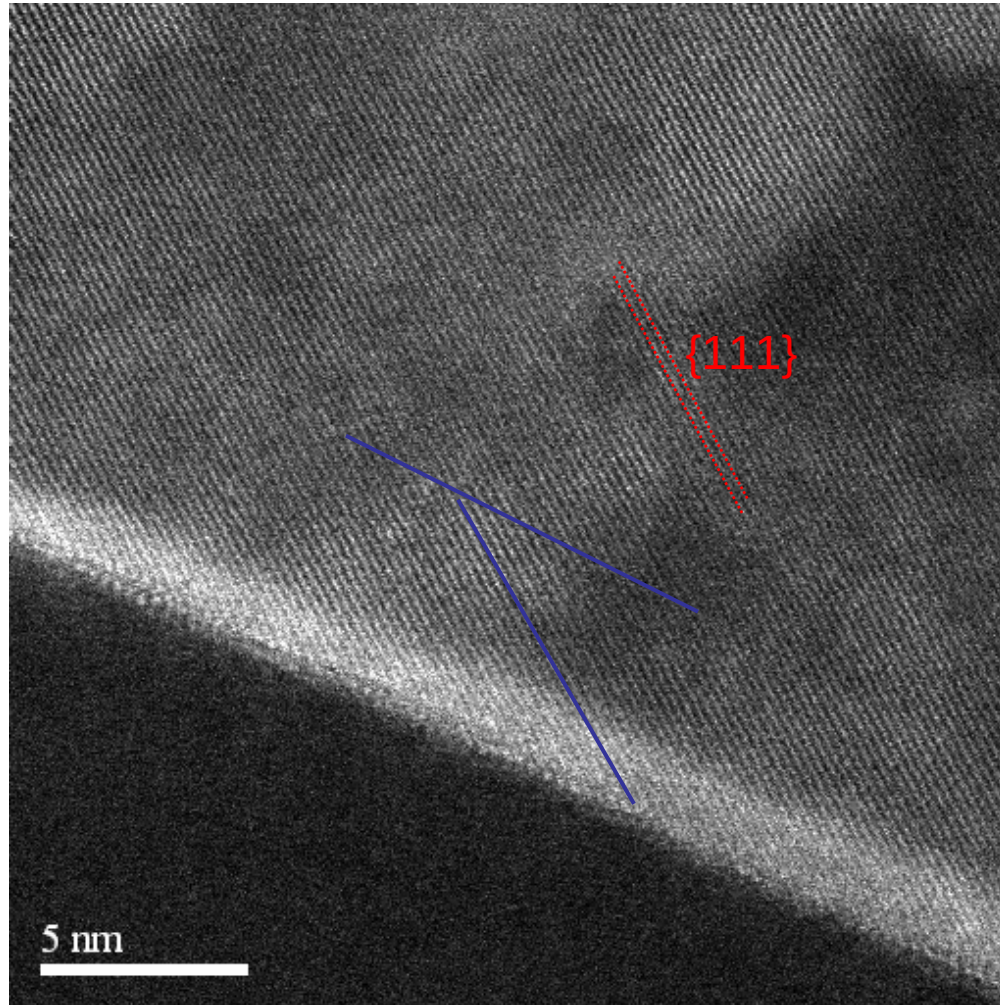
Region A

Region B

Region A- Magnified Image



Region B- Magnified Image



Bilayer Nature?

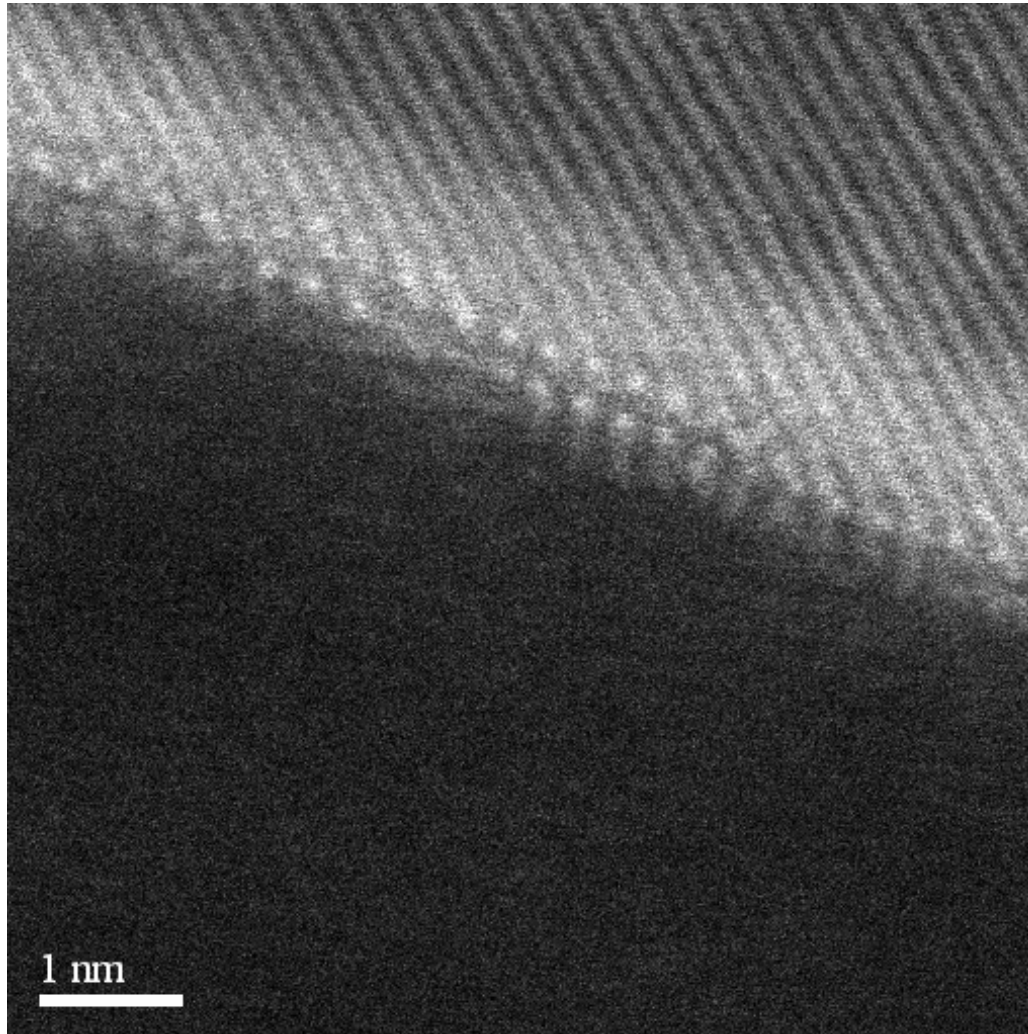
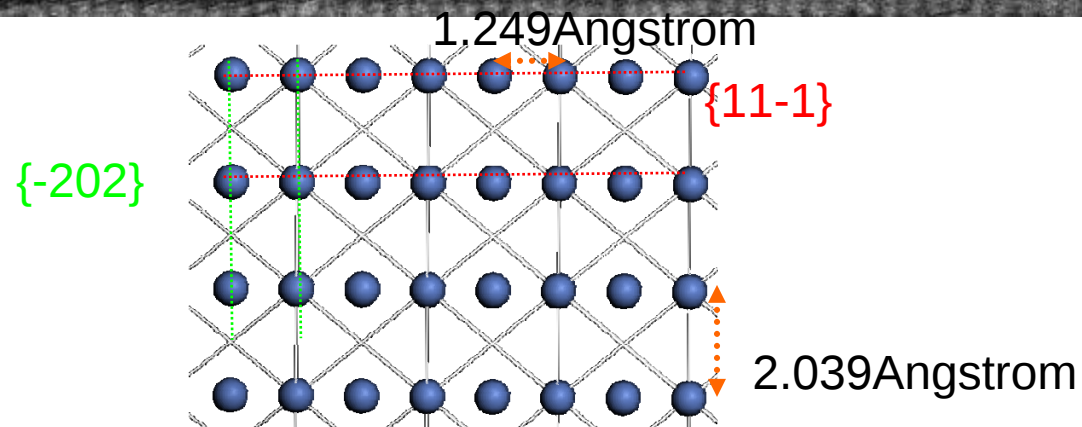
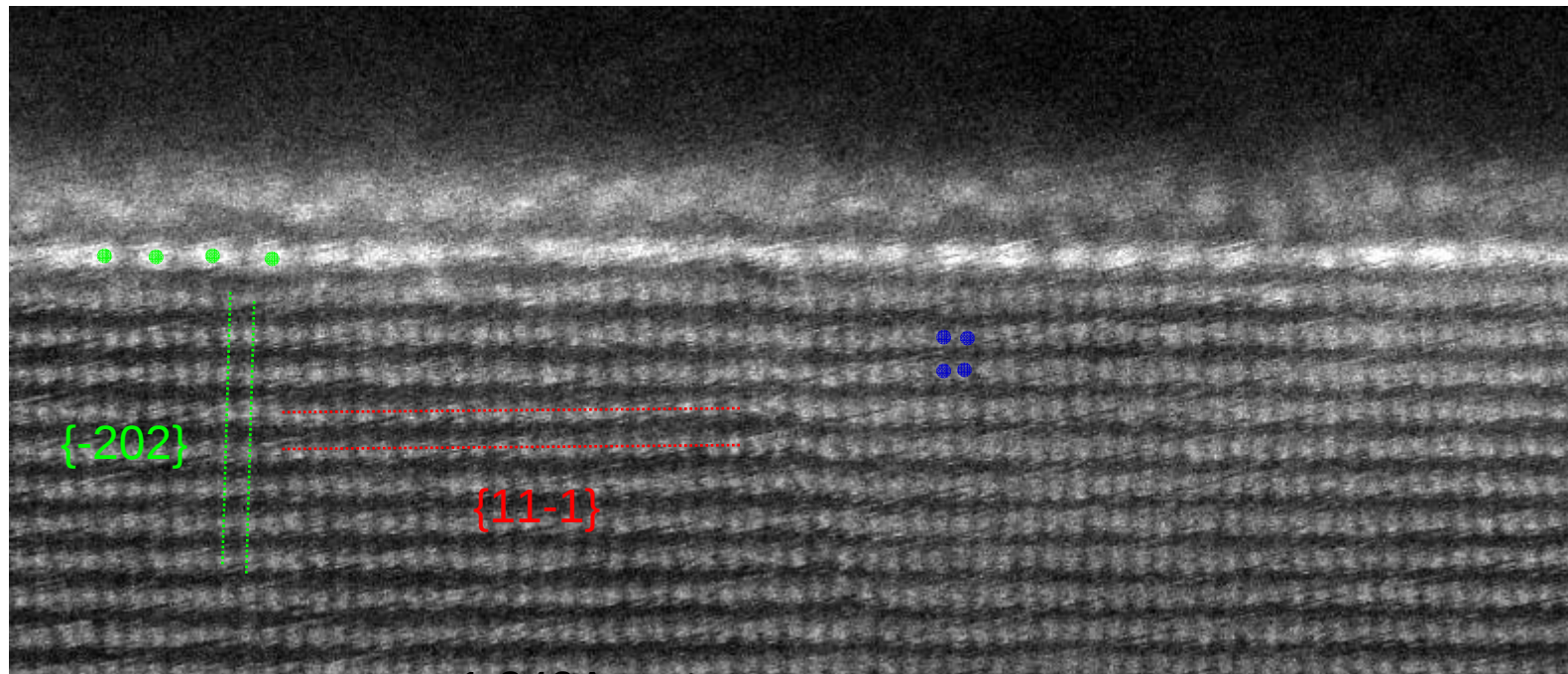


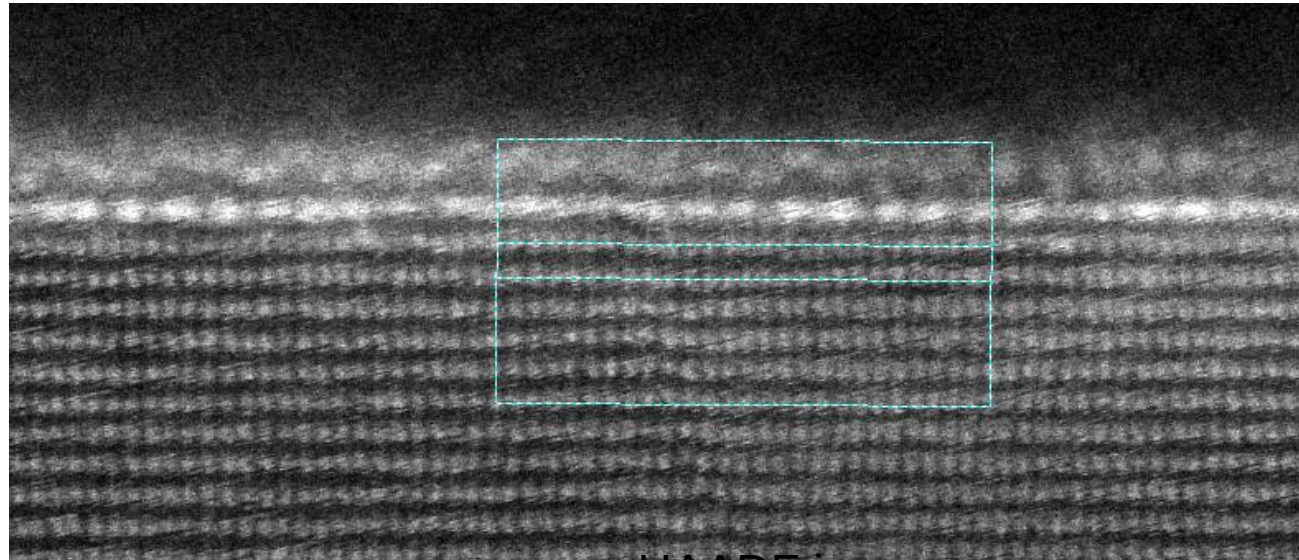
image can not be well resolved. Need more resolution and better samples.

Detailed analysis-1

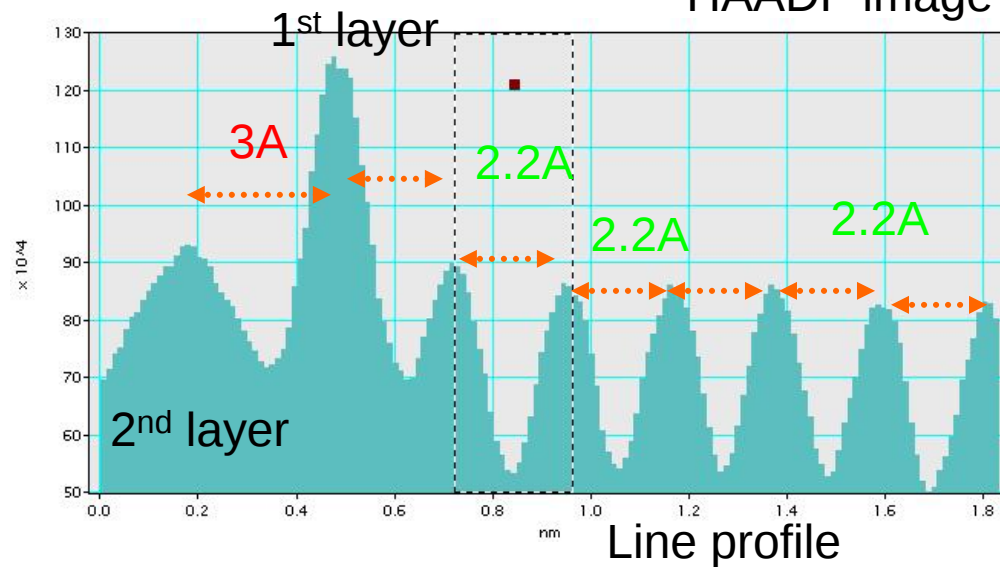


order segregation on 1st
(111) plane

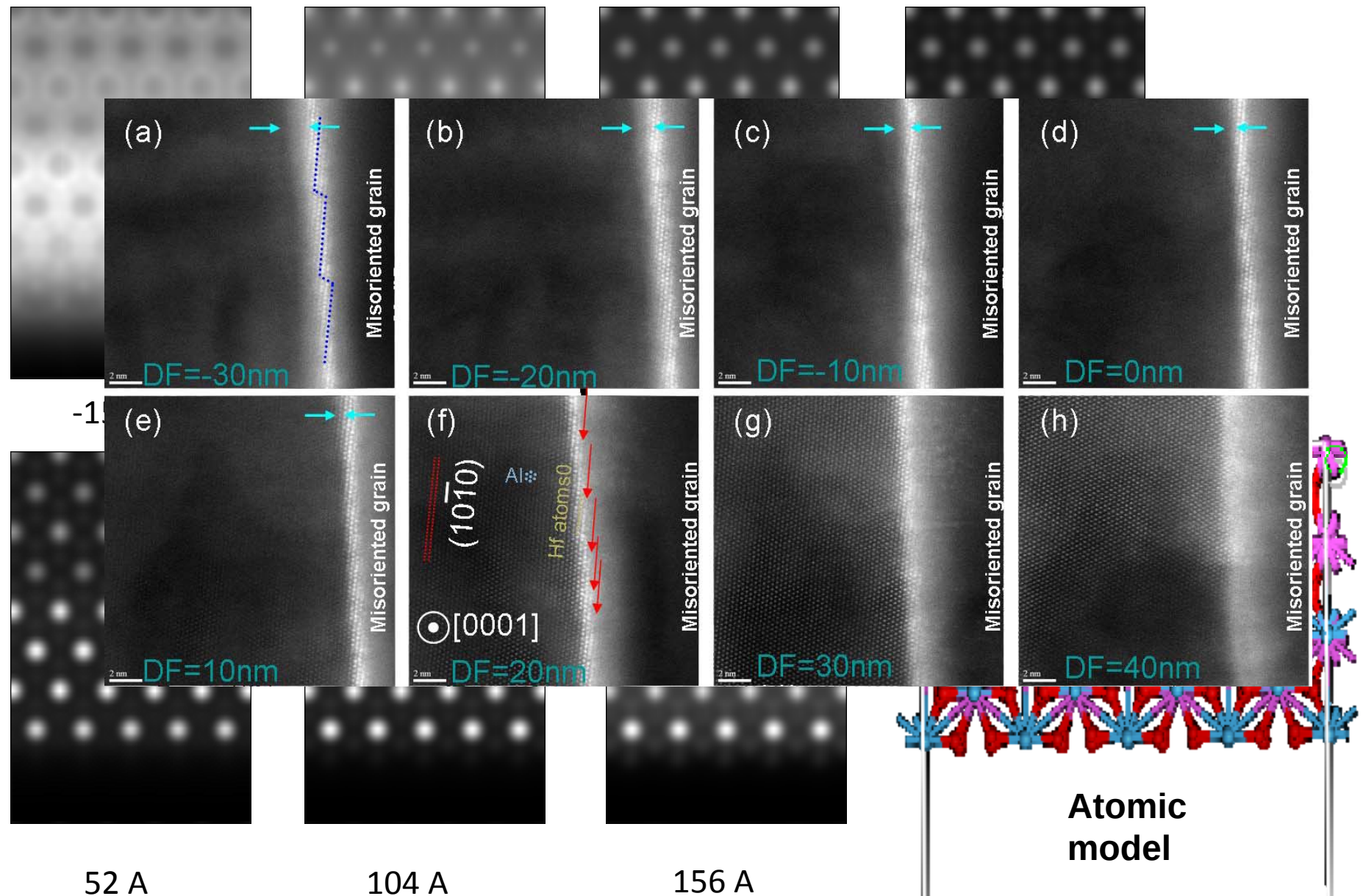
Detailed analysis-2



HAADF image



Computed HAADF image



Detailed analysis-3

