

Abstract Submitted
for the MAR13 Meeting of
The American Physical Society

Initial Growth of h-BN CHANYONG HWANG, E.K. SEO, JUN PARK,
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— Recently h-BN has drawn a lot of attention due to its use as an insulating layer
for graphene application. Its growth on several transition metal surfaces such as
Ni has been focused on their local atomic structure and superstructure formed on
surfaces. However, the growth of h-BN in a large has not been studied so far. We
found very interesting growth mode of h-BN on Cu surface. The shape of island
is strongly dependent on the orientation of the Cu surface, which is quite different
from that of the graphene on Cu. Based on the growth model, a fairly large grain
size of h-BN (order of 0.1 μm) can be made. More detailed process on the growth
of h-BN will be discussed.

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Date submitted: 09 Nov 2012

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