Missile Defense and Security Dilemma

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Argument

• Security dilemma has two mechanisms
  – Intensive
  – Extensive

• So does an arms race
  – Intensive between two
  – Extensive among more than two

• Therefore, arms control measures have to address both
Intensive Arms Race in Korea

THAAD; Preemptive strikes

Patriots; Counter-battery

U.S. Nuclear Deterrent

KOREAN WAR

SLBM; Mobile launchers; Deceptive maneuvers

Nuclear ICBMs

Long-range artilleries; short-range missiles
SLBM Test Launch
Warhead Deceptive Maneuvering
Time on Target (TOT) Practice
Mobility and Concealment
Extensive Arms Race in Northeast Asia

North Korea’s ICBMs

North Korea’s IRBMs

Japan ANT2 Radars; SM-3 IIA research; Aegis Ashore

China MIRVed ICBMs

China IRBM's

U.S. THAAD; SM-3 IB
North Korea’s ICBM Trajectories
THAAD Radar Range
THAAD and GMD against Chinese ICBMs
North Korea’s EMP Trajectory
Regional Arms Control

- NK IRBM
- North Korea's ICBM
- US-NK Summit
- U.S. THAAD; SM-3 IB
- Japan AN2P Radars; SM-3 IIA research; Aegis Ashore
- China MIRV

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Boost Phase Intercept

- liquid fuel ICBM
Boost Phase Intercept

- solid fuel ICBM