

MAR07-2006-000136

Abstract for an Invited Paper
for the MAR07 Meeting of
the American Physical Society

**AAAS Assessment of the Role of the Reliable Replacement Warhead in the US Nuclear Weapons
Complex**

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The American Association for the Advancement of Science sponsored a study of the role of the Reliable Replacement Warhead (RRW) in the US Nuclear Weapons Complex during the latter part of 2006. As the Chair of that study I will report our principal findings and recommendations. Our conclusions are based on the experience and knowledge of the committee members, the information available in numerous reports and related analyses, and on presentations and discussions with DOE/NNSA officials, staff members from the Lawrence Livermore, Los Alamos, and Sandia National Laboratories, and others with special expertise and perspectives.