

**STATEMENT OF INTENT  
BETWEEN  
THE DEPARTMENT OF ENERGY OF THE UNITED STATES OF  
AMERICA  
AND  
THE ISRAEL ATOMIC ENERGY COMMISSION  
CONCERNING  
ACCELERATOR RESEARCH AND DEVELOPMENT  
COOPERATION**

The Department of Energy of the United States of America and the Israel Atomic Energy Commission (hereinafter the Participants):

RECOGNIZING the benefits and importance of advancing scientific discovery by facilitating and leveraging scientific, technical, and engineering expertise;

RECOGNIZING the potential contribution of high intensity ion accelerators technology as an alternative to research reactors with respect to proliferation, environmental, and safety challenges;

SHARING a mutual interest in enhancing cooperation in accelerator research, development, and applications specifically focusing on high intensity ion accelerators; and

ACKNOWLEDGING the longstanding understandings and commitments between the United States of America and Israel with respect to the use of nuclear energy for peaceful purposes,

State their intention as follows:

1. The Participants plan to explore establishment of a framework for bilateral cooperation between their research laboratories, in the field of accelerator research, development and applications specifically focusing on high intensity ion accelerators. The possible areas of cooperation are:
  - Promoting future facilities and instrumentation for research with high intensity ion accelerators;
  - Developing and testing superconducting high intensity linear accelerators, including Soreq Applied Research Accelerator Facility (SARAF), and necessary diagnostic systems;
  - Developing high power targets for accelerators, including deuteron-to-neutron converters and associated techniques;
  - Performing basic and applied research using high intensity ion accelerators;
  - Promoting public interest in nuclear research; and
  - Any other area of cooperation to be determined.

2. Each Participant should designate a coordinator for the implementation of the planned cooperation under this Statement of Intent.

Signed, in duplicate, at Washington on the 22<sup>nd</sup> day of February 2012, and at  
Tel Aviv on the 6<sup>th</sup> day of February 2012, corresponding to the 12<sup>th</sup>  
day of Adar 5772 in the Hebrew calendar. March

FOR THE DEPARTMENT OF ENERGY  
OF THE UNITED STATES OF AMERICA:



FOR THE ISRAEL ATOMIC ENERGY  
COMMISSION:

