Heavy Ion Accelerators (HIA)

The HIA project commenced in July 2009 under the Australian Government’s Super Science Initiative.

The project objectives are to upgrade and enhance the capabilities of:
- The Heavy Ion Accelerator Facility at the Department of Nuclear Physics at the Australian National University (ANU).
- The ion-implantation and ion-beam analysis facilities operated by the Department of Electronic Materials Engineering at the ANU.
- The Electronic Materials Engineering low-energy ion implanter at the ANU.
- The ion accelerator operated by University of Melbourne.

The project also provides critical support for the on-going operation of the above three accelerators.

Key facts
- State: ACT
- Lead institute: the ANU
- Project status: In progress
- Australian Government contribution:
  - $10 million from the Education Investment Fund Super Science Initiative
  - $760,000 from the National Collaborative Research Infrastructure Strategy (NCRIS) 2013 programme
  - $2.28 million from the Collaborative Research Infrastructure Scheme (CRIS)

Project deliverables
Super Science funding was used to upgrade and extend the capabilities of three major accelerator facilities (nodes), at the ANU (hosting two nodes) and the University of Melbourne (hosting one node).

Funding from CRIS and NCRIS 2013 provides critical operations support for national and international users of the three Accelerator nodes; this includes funds to pay the salaries of expert technical staff vital to maintain operational capability.

The NCRIS-2013 project provides critical operations support from 1/1/2015 to 30/6/2015 for national and international users of the three Heavy Ion Accelerator nodes, which received Super Science funding (in the period 1/7/2009 to 30/6/2013) with the goal of upgrading and enhancing their capabilities.

Access
The HIA Project Access and Pricing Policy will:
- provide access to Australian and international researchers and collaborators
• prioritise access, where required, based on research merit (including but not necessarily limited to those awarded nationally competitive grants)

• include access arrangements for early career researchers, international researchers and research students.

The facilities will be available formally, on a merit basis, to all Australian researchers and to international collaborators as they arise.

**Participating organisations and partners**
The lead agent is the ANU, which administers the project, and hosts two nodes:

• Heavy Ion Accelerator Facility Node

• Electronic Materials Engineering Node at the Research School of Physics and Engineering.

The University of Melbourne hosts one node at the Micro-Analytical Research Centre.

**Related links**
For more information visit: