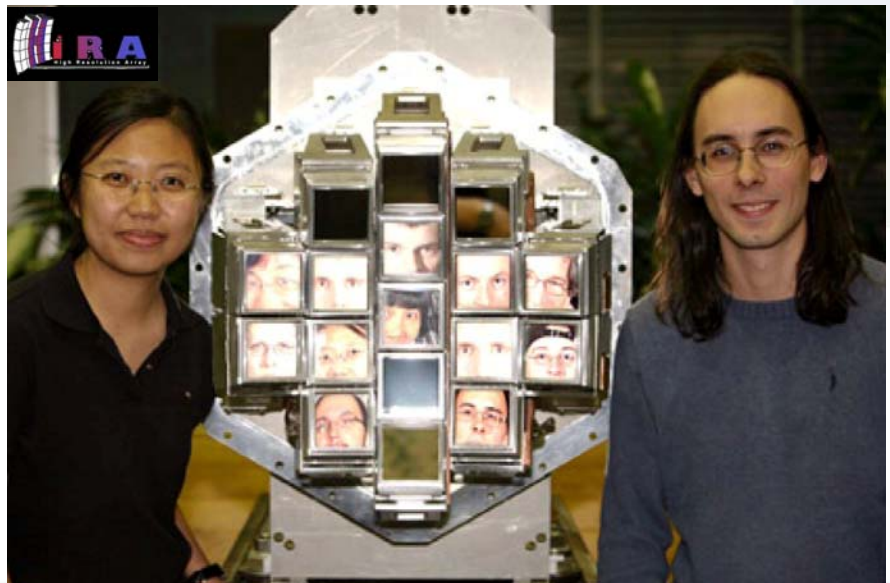


# HiRA – High Resolution Array

- Highly modular particle detector optimized for reactions of rare isotopes
  - Provides particle identification of remnant fragments with isotopic resolution up to oxygen
  - Read out by ASIC (application specific integrated circuit) chips
- Enables 3 of 17 FRIB science benchmarks
  - 1 Shell structure
  - 6 The nuclear equation of state
  - 16 The rp process
- Replacement value: \$1M (FY08)



## Versatile precision reconstruction of reaction events with rare isotopes