

# Outer Space

# Inner Space

Cosmology & Dark Matter

Nuclear Astrophysics

Particle Physics

Electronics & Radiation Testing

Nuclear Physics

Accelerators, Detectors, and Data Sciences

Nuclear Medicine

Molecular & Materials Science

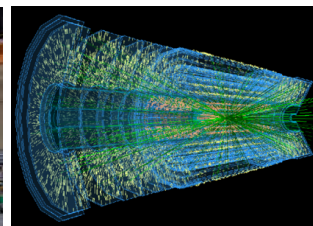
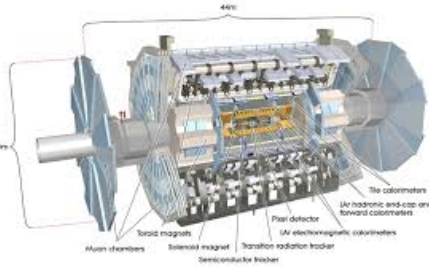


TRIUMF BAE Interview  
Particle Physics Department Introduction  
June 2020

# Focus projects - hardware, operations and data analysis

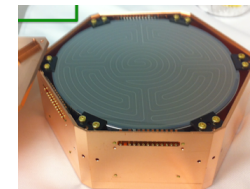
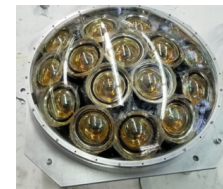
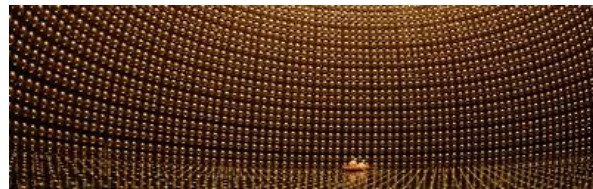
## High energy frontier:

- ATLAS + upgrades
- Tier-1, HL-LHC



## Neutrinos & Dark Matter:

- T2K, HyperK and IWCD
- SNOLAB → SuperCDMS



## Precision tests of fundamental interactions

- ALPHA and ALPHA-g
- UCN: source, neutron EDM & user facility



& Pienu, NA62, HALO, DEAP, EXO, Belle2,..