

Particle Physics within the Physical Sciences Division

The Departments for **Particle Physics**, as well as **Theory, Scientific Computing and Science & Technology** address the following Research topics:

- High Energy Frontier
- Neutrinos and Dark Matter
- Precision Tests of Fundamental Interactions

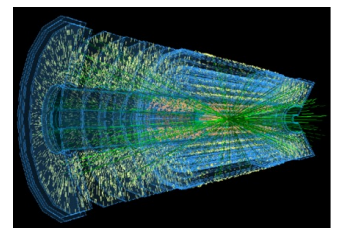
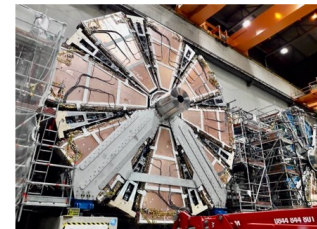
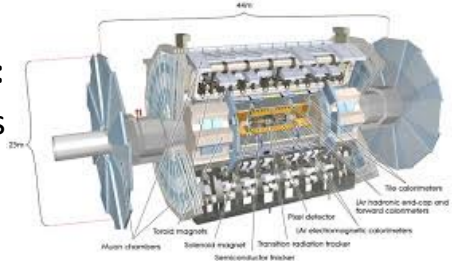
Monthly meetings inclusive to Particle Physics Theory, Science and Technology and Scientific Computing department members



Particle Physics

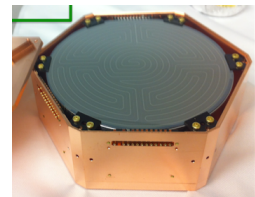
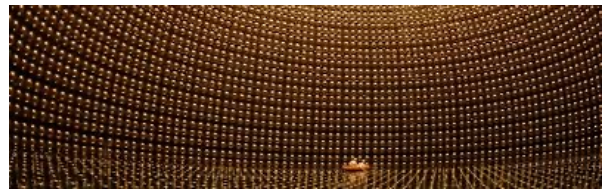
High energy frontier:

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



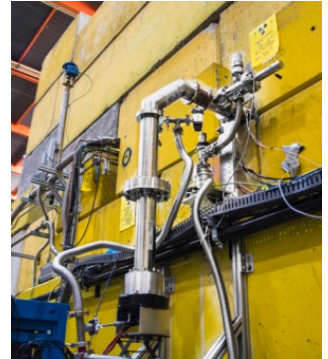
Neutrinos & Dark Matter:

- T2K, HyperK and IWCD
- SuperCDMS
- + HALO, DEAP, nEXO, SNO+



Precision tests of fundamental interactions

- ALPHA and ALPHA-g
- UCN: source, neutron EDM & user facility
- + Pienu, NA62, g-2, Belle2



Discovery,
accelerated

Discussion Points

- Future Vision
 - Science Opportunities
 - Onsite – offsite / breadth vs focus / university and lab ambitions
 - Big Science in Canada

- TRIUMF Organization
 - Balance between Science and Administration
 - Hiring priorities
 - Hierarchy: flat / top-down / TRIUMF’s “secret sauce”

- ...