

List of Fermilab Technologies – draft

October 15th, 2018

Detectors

- Radiation detector technology
- Photo detectors
- Silicon detectors
- ASICs electronics
- High-density interconnects
- 3D integration technology
- LAr TPC's
- Detectors for astrophysics
- Quantum sensors
- Other detector technologies

Accelerators

- SRF technology
- SC quantum systems
- High-field SC magnet technology
- Conventional magnets for accelerators
- Targetry technology (radiation damage of materials, micromechanics, remote handling, ...)
- RF sources for accelerators
- Other accelerator technologies

Computing

- AI and quantum computing
- Cloud and exascale computing

Other technologies

- Qubits, graphene, other high-tech materials
- Nanofabrication
- Additive manufacturing