

CANADA FOUNDATION FOR INNOVATION

CFI update

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CFI mandate

- Research infrastructure at Canadian universities, research hospitals, colleges and non-profit research organizations
- All fields of research (health, natural sciences and engineering, social sciences, humanities and arts)

Funding mechanisms

Capital costs
(equipment and construction)

- Innovation Fund
- John R. Evans Leaders Fund

Covers 40% of costs

Operation and maintenance costs

- Major Science Initiatives Fund (40 or 60% of O&M budget)
- Infrastructure Operating Fund (+30% of CFI\$)

Eligible capital costs

- Research equipment and components
 - Shipping, transportation and installation of research infrastructure
 - Warranty and/or service contract
- Laboratory furniture
- Software subscriptions and licenses
- Acquisition of a database or the time-limited design and development of a database to the point that it is ready for exploitation by a designated research community
- Communications infrastructure essential for the research activities
- Travel to a manufacturer, dealer or supplier to select research infrastructure
- **Staff to implement:** Professional, technical and managerial personnel, consultants and contractors directly involved in the design, engineering, manufacturing, installation, construction or renovation of the infrastructure
- Initial **training** for the main operator(s) of the research infrastructure
- **Construction or renovation** of space essential for housing and effectively using the infrastructure requested in the proposal

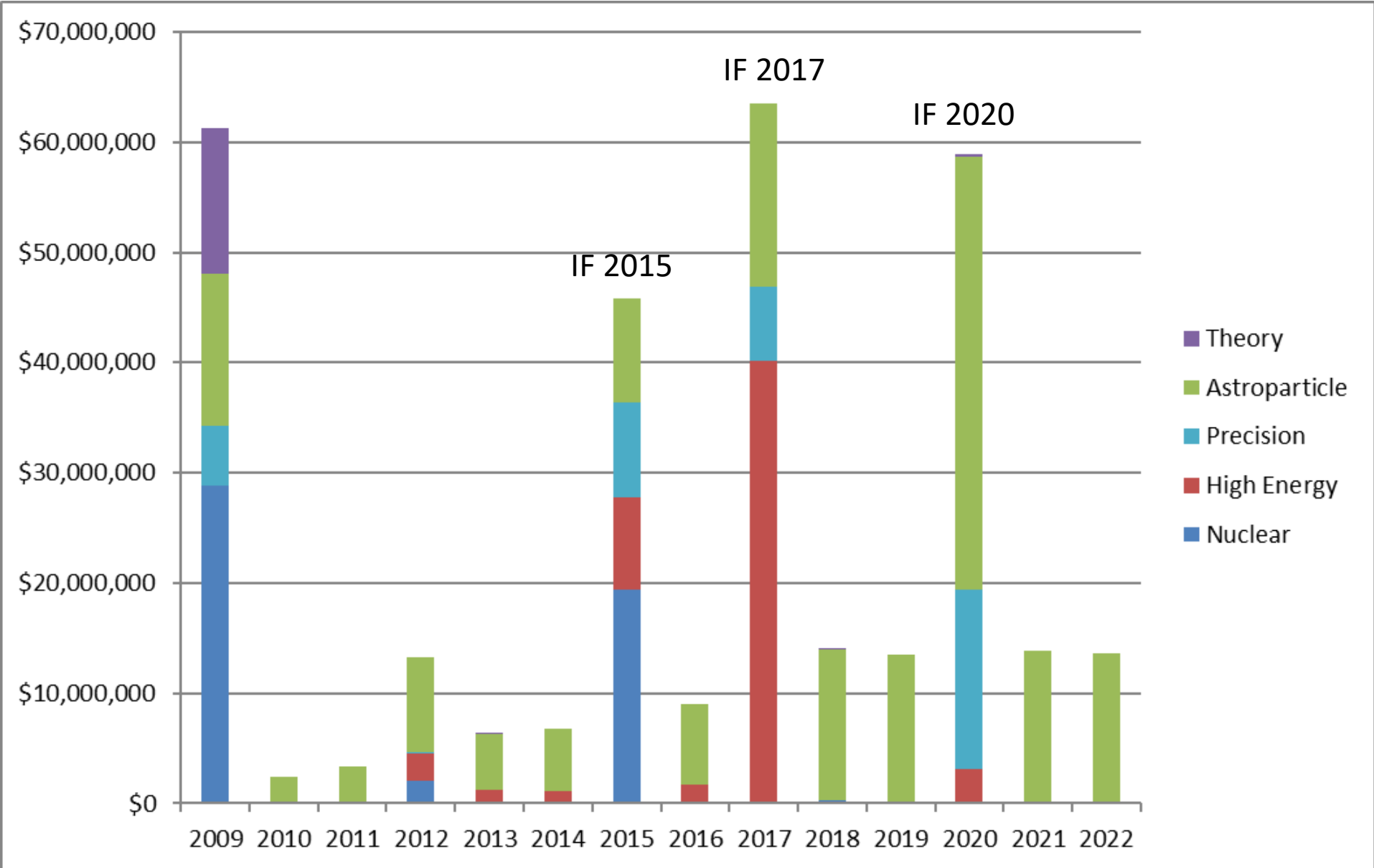


Eligible O&M costs

- Salaries of non-academic **managers**, professionals, technicians, **administrative personnel**, **consultants and trainees** directly involved in the **governance, management**, operation and maintenance of the facility
- Training for the main operator(s) of the research infrastructure
- Extended warranties and/or service contracts and software upgrades
- Maintenance and repairs
- Replacement parts and replacement of an item needing repair if the replacement is more cost-effective than the repair
- **Minor upgrades to maintain the operational capacity of the facility**
- Services that directly support the facility
- Supplies and consumables required to keep the facility in a state of readiness for research
- **Communication and outreach activities**
- **Administrative costs**

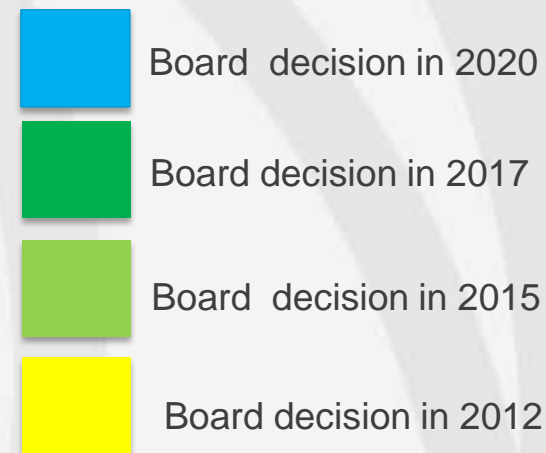


CFI funding in SAP



Astroparticle (recent)

Institution	Experiment	Leaders	CFI \$	Timeline
Carleton	Darkside-20k	Boulay/Hallin	\$7.2M	BD in Nov 2020
UBC	nEXO	Brunner/Kruecker	\$6.8M	BD in Nov 2020
Victoria	Hyper-K	Hartz/Karlen	\$5.7M	BD in Nov 2020
SNOLAB MSI 2017-23		Smith	\$41M	Apr 20 – Mar 23
			\$36M	Apr 17 – Mar 20
Queen's	PICO-500	Noble	\$1.9M	Dec 18 – Mar 24
Carleton	DEAP-nT and nEXO	Boulay	\$3.4M	Oct 18 – Mar 22
Queen's	SuperCDMS	Rau	\$1.7M	Apr 15 – Mar 22



Precision

Institution	Experiment	Leaders	CFI \$	Timeline
UBC	ALPHA	Fujiwara/Momose	\$4.8M	BD in Nov 2020
York	eEDM	Hessels	\$3.4M	BD in Nov 2020
Victoria	Belle II	Sobie	\$2M	BD in Nov 2020
Manitoba	MOLLER	Gericke/Mammei	\$2.3M	Sept 21 – Oct 24
Winnipeg	UCN EDM	Martin	\$5.3M	May 20 – Jul 24
Calgary	ALPHA-g	Thompson	\$6.4M	Nov 16 – Dec 21

High Energy

Institution	Experiment	Leaders	CFI \$	Timeline
SFU	ATLAS Tier-1	Stelzer/Tafirout	\$2.2M	Sept 21 Dec 24
Toronto	ATLAS	Krieger	\$30M	Jun 19 – Mar 27
SFU	ATLAS Tier-1	Stelzer	\$3.5M	Mar 18 – Mar 21
Carleton	ATLAS	Bellerive	\$6.2M	Feb 16 – Jun 21

TOTAL \$41.9M

Nuclear

Institution	Experiment	Leader	CFI \$	Timeline
Victoria	ARIEL-II	Karlen	\$14M	Sep 17 – Dec 26

CFI–NSERC coordination

- CFI/NSERC/SAPES representatives present at review committee meetings
- Some members participated in both NSERC and CFI review committee meetings in 2020
- CFI is observer on Long Range Plan committee
- LRP is made available to CFI expert committees
- Regular proactive interactions between CFI and NSERC
- Sharing of data and information to inform review process
- Alternating presence at biannual visits to CERN

SAFEGUARDING

YOUR RESEARCH

- National Security Guidelines for Research Partnerships released in July 2021
- Watching closely NSERC Alliance Fund
- 2023 MSI: data management, research security and cybersecurity plans as part of proposal
- 2023 IF: data management, research security and cybersecurity plans for high risk **funded proposals**

2023 Innovation Fund

- Equity, diversity and inclusion
- Assessment criteria
- Competition objectives
- Institutional envelopes
- Research security
- Review process
- Proposal page limit

2023 Major Science Initiatives Fund



Contribute to the ongoing operating and maintenance (O&M) needs of facilities of national importance




Modify its objectives and criteria to better reflect the current landscape of large research facilities



Enable a competitive and merit-based assessment of both existing and new facilities



The image features a hand on the left side, with the index finger pointing towards the center. The background is a dark blue and purple gradient with a network of glowing nodes and lines. Several circular icons containing question marks are scattered across the scene. The text 'Questions?' and 'THANK YOU!' is centered in white, with a horizontal line above and below it.

Questions?
THANK YOU!

CFI funding in SAP

