



# UNIVERSITY OF ALBERTA

## DEPARTMENT OF PHYSICS

### Canada Research Chair (CRC) Tier 2 and Assistant Professor of Astroparticle Physics

#### Faculty of Science - Physics

Competition No. - **A107844925**

Closing Date - **May 31, 2021**

The Department of Physics at the University of Alberta invites applications for a tenure track faculty position at the level of assistant professor in the field of Experimental or Theoretical Astroparticle Physics. The successful candidate will be nominated for a Tier 2 Canada Research Chair.

The Department of Physics recognizes the importance of diverse perspectives and experiences, and we deeply value the creativity, innovation, and new ideas that come through the inclusion of all voices. We are committed to fostering a diverse, equitable and inclusive environment that supports success for all individuals. This builds on existing efforts across the University of Alberta and by the CRC program. Please

see: <https://www.ualberta.ca/research-services-office/funding-opportunities/canada-research-chairs/public-accountability.html> and <https://www.chairs-chaieres.gc.ca/program-programme/equity-equite/index-eng.aspx>.

As such, preference will be given in this competition to applications from women, gender minorities, persons with disabilities, Indigenous peoples, members of visible minorities, and groups that are traditionally underrepresented in Physics.

Candidates in the fields of neutrino physics or dark matter searches in the current and next generation of experiments are encouraged to apply. The astroparticle physics group in Alberta is part of the pan-Canadian MacDonald Institute for particle astrophysics. Candidates will ideally be working in a field closely related to existing Canadian efforts and would be looking to strengthen the field of astroparticle physics in Alberta. We seek an emerging scholar committed to excellence in teaching and research. The successful candidate will have a Ph.D. in Physics. A commitment to leadership and mentorship of trainees and students from traditionally underrepresented groups in Physics will be an asset.

The Department of Physics has 49 faculty members with research interests in condensed matter physics, astrophysics, geophysics, and experimental and theoretical particle physics. The astroparticle physics group has five faculty members who are involved in these experiments: ARGO, DarkSide, DEAP3600, IceCube, News-G, PICO, SBC, SNO+, and a future neutrino telescope in the Pacific Ocean, P-ONE. The members of the Centre for Particle Physics at the University of Alberta are founding members of the ATLAS collaboration and are leading the MoEDAL/MAPP experiment searching for exotic particles at CERN.

Nominations are subject to review by the CRC Secretariat, and appointment as a Canada Research Chair is conditional upon their approval. Tier 2 Canada Research Chairs are intended for exceptional emerging scholars (i.e., candidates must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from having earned their highest degree (and where career breaks exist, such as maternity, parental or extended sick leave, clinical training, etc.) may have their eligibility for a Tier 2 Chair assessed through the program's Tier 2 justification process. Please consult the University of Alberta CRC Coordinator ([crcadmin@ualberta.ca](mailto:crcadmin@ualberta.ca)) for more information. Full program information, including details on eligibility criteria, can be found on the Canada Research Chairs website:

<http://www.chairs-chaire.gc.ca/home-accueil-eng.aspx>. The University of Alberta recognizes the legitimate impact that leaves (e.g., parental leave, leave due to illness) can have on a candidate's record of research achievement and that these leaves will be taken into careful consideration during the assessment process.

The closing date for applications is **May 31, 2021**. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens or permanent residents cannot be found, other individuals will be considered. Only those applicants invited for an interview will be contacted.

**To apply:**

1. All applicants to this job posting are required to self-identify using the following [questionnaire](#).
2. Email (a) a current CV; (b) a description of the proposed research program; (c) a one-page description of proposed training strategies (e.g. graduates students and other trainees); and (d) up to three reprints of recent research articles to:

The Selection Committee  
Department of Physics  
University of Alberta  
Edmonton, Alberta, Canada, T6G 2E1

Email: [schan@ualberta.ca](mailto:schan@ualberta.ca)

**Applicants must also arrange to have at least 3 confidential reference letters emailed to the same address with the subject line: CRC Astroparticle Physics Competition #A107844925.**

Applicants who require an accessibility arrangement for their application, interview, and/or subsequent recruitment meetings can contact [kgalbrai@ualberta.ca](mailto:kgalbrai@ualberta.ca) to arrange appropriate accommodations.

[Apply Online](#)

**Note:** Online applications are accepted until midnight MDT of the closing date.

