Joëlle-Marie Bégin

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Education _		
Princeton University PhD in Physics	ty	Princeton, New Jersey Aug. 2022 - Present
McGill University		Montreal, Quebec
BSc in Honours Physics		Sep. 2018 - April. 2022
Research supervised by	y: Adrian Liu, Jonathan L. Sievers, H. Cynthia Chiang	
Publications	S	
	Gorce, A. (2022), <i>Joint constraints on reionization: a framework for combining the gel'dovich effect</i> , Phys. Rev. D 105 ,083503	lobal 21cm signal and the
Awards and	Honors	
August 2022	Joseph Henry Merit Award (entrance award)	Princeton University
May 2021, 2019	Summer Undergraduate Research Award	McGill University
Talks		
* = invited		
	ity Gravity Group, "Joint constraints on reionization with the 21 cm signal and kS (ALBATROS" (2023)	Z" & "observing the low
[2] SAZERAC-GULF	2 21 cm, Developments on a new low-noise amplifier and antenna for ALBATROS (20	(recording)
[3] McGill Faculty of	Science Advancement Board, Working as an undergraduate researcher in physics * (2022)
[4] McGill University	Soup and Science, Learning about the first stars and galaxies with radio astronomy	* (2022) (recording)
[5] Global 21 cm Workshop, Constraining reionization with the 21 cm global signal and kSZ (2021)		(recording)
[6] SAZERAC Specialist Session, Constraining reionization with the 21 cm global signal and kSZ (2021)		(recording)
[7] Canadian Undergr	raduate Physics Conference, Non-Gaussianities in the 21 cm brightness temperature for	teld (2019)
Service and	Outreach	
McGill Physics Hackathon		McGill University
Organizing committee	ee: graphic and web design	2019 - April 2021
McGill Society of P	Physics Students	McGill University
 President Executive Officer of Administration		April 2020 - April 2021 Sept. 2019 - April 2020
Teaching Ac	ctivities	
Undergraduate Teaching Assistant		McGill University

LAST UPDATED: MAY 15, 2023 1/1

• PHYS 321: Data Science and Observational Astrophysics

• PHYS 260: Modern Physics and Relativity

Spring 2021 Fall 2020