DPF 2019 Career Panel

Panelist Bios

- **University of Toronto** – PhD (2007-2012)
  - ATLAS – Jets & Missing E_T (Supersymmetry)
- **Columbia University** – Science Fellow/Lecturer in Discipline of Physics (2012 - 2015)
- **Haverford College** – Assistant Visiting Professor of Physics (2015-2016)
- **Boston College High School** – Physics Teacher (2016-2017)
- **Boston University Academy** – Physics/Math Teacher & Robotics Coach (2017 - Present)

Ariana Hackenburg

- PhD, Yale University, MicroBooNE experiment

- Insight Data Fellowship (2018)

- Data Scientist at Wayfair

Martina Hurwitz

<u>HEP background:</u>

- 2003 – 2010: Ph.D. student on ATLAS / CDF

  University of Chicago

- 2010 – 2013: Postdoctoral fellow on ATLAS

  Lawrence Berkeley National Laboratory

<u>Career since:</u>

- 2013 – 2016: Medical physics resident

  Harvard Medical Physics Residency Program

- 2016 – present: Medical physicist

  Beth Israel Deaconess Medical Center

Contact: martinah@gmail.com

Jack Kearney

amazon alexa

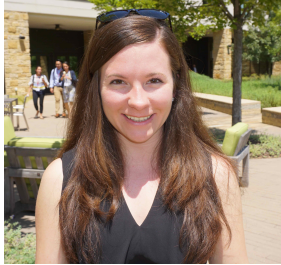|	
HARVARD UNIVERSITY	BA, 2010
UNIVERSITY OF MICHIGAN	PhD, 2014
FERMILAB	2014-2017
AMAZON (we're hiring!)	2017-

My _discipline_ research focus is/was _topic_.

➢ Physics : BSM phenomenology, DM, inflationary Higgs dynamics

Here's me on inspire!

➢ ML : Natural Language Understanding (NLU), Active Learning

Here's me on DeepAI!

Aga Leyko

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Education

Technology University of Lodz (Poland) – M.Eng. in Technical Physics

CERN – Technical Student internship at ISOLDE

University of Bonn (Germany) – PhD student at ATLAS: Measurement of top quark branching ratio (graduation date tbd.)

Fun facts

Former **IAPS** Executive Board Member

Biking in **Pan-Mass Challenge** this weekend and raising funds for Dana-Farber Cancer Institute: profile.pmc.org/AL0267
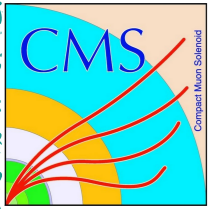
Work experience

Deloitte Switzerland AG – Consultant/Senior Consultant/Assistant Manager in Risk Analytics (part of Risk Advisory)

Deloitte Consulting LLP – Senior Consultant in Applied AI (part of Strategy & Analytics/Analytics & Cognitive)

Core skills/professional interests

Data visualization, ML and statistical modelling, model interpretability, data quality, developing data and analytics strategies

Tech stack: SQL, Python, MS Azure/Spark/Databricks

Indara Suarez

- CMS Experiment
- Assistant Professor at Boston University (my BU page)
- Postdoctoral Fellow at UCSB & UCSD
  - UC President's Postdoctoral Fellowship PPFP
- Ph.D. from Texas A&M University
  - NSF Graduate Research Fellow NSFGRFP