



Indiana University ATLAS Postdoc Hiring Plans

Hal Evans, Sabine Lammers, Chris Meyer
(for the IU ATLAS group)



LHC Job Matching Event
CERN
24 October, 2023



What We Do



- Technical Responsibilities
 - TRT: built $\frac{1}{2}$ of barrel, interlock system, heavily involved in software
 - L1Calo: gFEX algorithms, commissioning & operations
 - HL-LHC Global Trigger: anti-kT jet-finding
 - HL-LHC ITk: Strips monitoring, control, and read-out
 - Computing: Midwest Tier-2 Computing facility with Chicago and Illinois
- Physics Analysis
 - Electroweak: Vector Boson Fusion & Scattering, EFT
 - Higgs: $H \rightarrow \gamma\gamma$, $HH \rightarrow bbVV$
 - Exotics: Vector-Like Quarks & Leptons
- We also have significant management roles (see next slide)
- Our work is supported by the U.S. Department of Energy, Office of Science, Office of High Energy Physics, under Award Number DE-SC0010120



Who We Are



- Faculty & Scientists
 - Hal Evans: US ATLAS HL-LHC Deputy Project Manager, ATLAS Phase-II L0 Trigger Coordinator, Di-Higgs
 - Sabine Lammers: US ATLAS TDAQ Operations L2 Manager, gFEX co-Leader, ATLAS L1Calo Project Leader (2024-2025), VBF/VBS
 - Chris Meyer: US ATLAS ITk Deputy L2 Manager / L3 Manager for Modules, Higgs, e/γ trigger
 - Rick Van Kooten: IU College of Arts & Sciences Executive Dean
 - Fred Luehring: MWT2 co-PI, US ATLAS Tier-2 sites L3 Manager, TRT Software
 - Simone Sottocornola: gFEX/L1Calo Operations
- Postdocs
 - Philippe Calfayan*: SM EW sub-group co-convener, Joint EFT sub-group co-convener, TRT SW coordinator (-2023), VBF analysis contact
 - Revital Kopeliansky*: Deputy TDAQ Technical Coordinator, exotics analysis contact
 - Gabriel Palacino*: Trigger Operations co-coordinator, di-Higgs analysis contact
 - Alex Toldaiev: ITk-DAQ Task Force member, ITk Strip Online Software Contact
 - (* moving to new positions in 2023)
- Grad Students
 - Casey Bellgraph, Jammel Brooks, Adri Cruz, Jae Jin Hong, Hsuan-Chu Lien, Greg Myers*, Rabia Omar, Christoph Roland* (* graduated in 2023)
- Undergraduate / High School Students
 - ~3-4 per year
- Engineering Support
 - Electrical Engineers: Paul Smith, Dan Ulmes, Justin Heinecke
 - Mechanical Engineers: Cyril Degeorge
 - IT Professionals & Software Engineers: Sam Cranford



What We're Looking For



- Advertising for 2 postdoc positions
 - Nominally based at CERN (but accommodations possible)
 - Job posting: <https://indiana.peopleadmin.com/postings/20375>
 - Application deadline: 15-Nov-2023
 - Expected start date: early 2024
- Responsibilities
 - ~50% technical: TRT, L1Calo/gFEX, Global Trigger, ITk
 - ~50% analysis: contribute to group analyses, but new ideas welcome
 - Supervision of students in both technical and analysis areas
- Contact any of us for more information
 - Chris cjmey@iu.edu
 - Hal hgevans@iu.edu
 - Sabine slammers@iu.edu



What We Look Like



Faculty



Hal Evans



Chris Meyer



Sabine Lammers

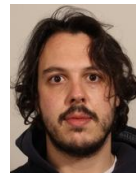


Rick Van Kooten

Res. Sci.



Fred Luehring

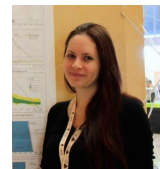


Simone Sottocornola

Postdocs



Philippe Calfayan



Revital Kopeliansky



Gavriel Palacino

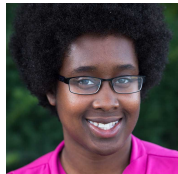


Alex Toldaiev

Grad Students



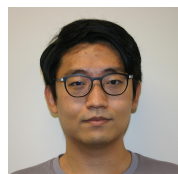
Casey Bellgraph



Jamel Brooks



Adri Cruz



Jae Jin Hong



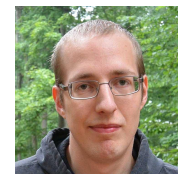
Hsuan-Chu Lien



Greg Myers

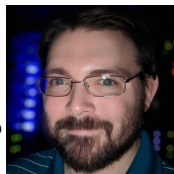


Rabia Omar



Christophe Roland

Engineers/IT



Sam Cranford



Cyril Degeorge



Justin Heinecke



Paul Smith



Dan Ulmes