

HAROLD G. EVANS

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EDUCATION AND TRAINING

1986	B.S., Physics <i>cum laude</i>	Yale
1988	M.S., Physics	U.C.L.A.
1991	Ph.D., Physics	U.C.L.A.

APPOINTMENTS

EMPLOYMENT

2012 – present	Professor of Physics	Indiana
2005 – 2012	Assoc. Prof. of Physics	Indiana
2003 – 2005	Walter O. LeCroy Assoc. Prof. of Physics	Columbia
fall 2002	Guest Scientist	Fermilab
2001 – 2003	Walter O. LeCroy Asst. Prof. of Physics	Columbia
1998 – 2001	Assistant Professor of Physics	Columbia
1994 – 1997	Research Scientist, Enrico Fermi Institute	U. Chicago
1991 – 1994	Research Associate, Enrico Fermi Institute	U. Chicago
1987 – 1991	Research Assistant	U.C.L.A.

PROFESSIONAL POSITIONS

2018 – present	HL-LHC Level-0 Trigger Coord. & Deputy Proj. Leader	ATLAS
2014 – present	US HL-LHC Deputy Project Manager (Technical Coord.)	US ATLAS
2013 – 2015	Inner Detector Institute Board Chair	ATLAS
2012 – present	US Deputy TDAQ Upgrade Construction Manager	US ATLAS
2012 – 2015	US M&O Manager	US ATLAS
2011 – 2013	US TRT Project Manager	US ATLAS
2010 – 2012	$B \rightarrow J/\psi$ Subgroup Leader	ATLAS
2009 – 2016	TRT Institute Board Chair	ATLAS
2008 – 2009	Trustees Teaching Award	Indiana U.
2007 – 2010	B-Mixing Working Group Convenor	DØ
2003 – 2009	NSF CAREER Award	NSF
2002 – 2010	Heavy Flavors Averaging Group	DØ rep.
2001 – 2008	Run IIb L1Cal Trigger Co-coordinator	DØ
2001 – 2003	Run IIb Trigger Co-coordinator	DØ
2000 – 2002	B-Physics Working Group Co-convenor	DØ
1999 – 2002	Muon Level-2 Trigger Co-leader	DØ
1998 – 2006	Silicon Track Trigger Co-PI	DØ
1995 – 1997	τ Working Group Coordinator	OPAL
1993 – 1997	Deputy Run Coordinator	OPAL
1991 – 1997	Presampler Subdetector Coordinator	OPAL

SELECTED PUBLICATIONS

1. ATLAS Collaboration, *ATLAS Trigger and Data Acquisition Phase-II Upgrade Technical Design Report*, CERN-LHCC-2017-020, ATLAS-TDR-029; cds.cern.ch/record/2285584.
2. ATLAS Collaboration, *Studies of Z-gamma production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector*, JHEP 07 (2017) 107;; arXiv:1705.01966.
3. ATLAS Collaboration, *ATLAS Phase-II Upgrade: Scoping Document*, CERN-LHCC-2015-020, LHCC-G-166 (2015); cds.cern.ch/record/2055248.
4. ATLAS Collaboration, *Measurement of the Upsilon Production in 7 TeV pp Collisions at ATLAS*, Phys. Rev. D87 052004 (2013); arXiv:1211.7255.
5. D0 Collaboration, *Search for violation of Lorentz invariance in top quark pair production and decay*, Phys. Rev. Lett 108 261603 (2012); arXiv:1203.6106.
6. ATLAS Collaboration, *Measurement of the Upsilon(1S) Production Cross-Section in pp Collisions at $\sqrt{s} = 7$ TeV in ATLAS*, Phys. Lett. B705, 9 (2011); arXiv:1106.5325.
7. D0 Collaboration, *Direct Limits on the B_s^0 Oscillation Frequency*, Phys. Rev. Lett. 97, 021802 (2006); arXiv:hep-ex/0603029.
8. E. Abat, et al., *The ATLAS TRT Electronics*, Journal of Instrumentation (JINST) 3, P06007 (2008).
9. M. Abolins, et al., *Design and Implementation of the New D0 Level-1 Calorimeter Trigger*, Nucl. Instrum. and Methods A 584/1, 75 (2008); arXiv:0709.3750.
10. OPAL Collaboration, *Measurement of the one-prong Hadronic tau Branching Ratio at LEP*, Eur. Phys. J C4, 193 (1998).

SYNERGISTIC ACTIVITIES

- 2007 – present IU Physics Dept. Outreach Chair
- 2005 – present IU Physics Dept. Electronics Facility chair
- 2004 – 2008 Science Communications Summer Internships for liberal arts students with the Fermilab Public Affairs Office pages.iu.edu/~hgevans/interns/

COLLABORATORS

COLLABORATORS WITHIN PAST 48 MONTHS

ATLAS collab. atlas.web.cern.ch/Atlas/Collaboration

GRADUATE AND POSTDOCTORAL ADVISORS

Thesis Charles Buchanan (UCLA), Thomas Müller (Karlsruhe)

Postdoc Frank Merritt, James Pilcher, Mark Oreglia (U. Chicago)

POSTGRADUATE SCHOLARS SUPERVISED

- Indiana Gabriel Palacino, Philippe Calfayan, Revital Kopeliansky, Narei Lorenzo, Ximo Poveda, Sylvie Brunet, Darren Price, Christopher Marino, Andrew Lowe, Peter Cwetanski
- Columbia Michael Mulhearn, Sabine Lammers, Joseph Steele, Christos Leonidopoulos, Georg Steinbrück, Leslie Groer

GRADUATE STUDENTS (YEAR GRADUATED)

- Indiana KyungEon Choi (2018), John Penwell (2017), Denver Whittington (2012), Yi Yang (2012)
- Columbia Chad Johnson (2009), Tulika Bose (2005), Burair Kothari

RECENT UNDERGRADUATES

Indiana Julian Gass, Ryan Hastings, Zac Monroe, Illana Rifkin, Christopher Faesi