

Richard J. Van Kooten
Curriculum Vitae

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Education:	Ph.D. (Particle Physics) B.Ap.Sc. (Eng. Science)	1990 1984
		Stanford University University of Toronto, Canada
Positions:	2015- 2007-2012 2003- 1999-03 1993-99 1992-93 1990-92	Interim Vice Provost for Research (Indiana Univ.) Department Chair (Indiana Univ.) Professor of Physics (Indiana Univ.) Associate Professor (Indiana Univ.) Assistant Professor (Indiana Univ.) DESY Research Scientist (Univ. Hamburg) CERN Scientific Associate (CERN)
Awards:	2008 2001, 2014 1998, 1999 1994, 1997 1996 1984-88	APS Outstanding Referee Award Trustees Teaching Award, Indiana Univ. Teaching Excellence Recognition Award Joseph and Sophia Konipinski Prize Cottrell Scholar Award NSERC 1967 Science and Engineering Scholarship
Other selected activities:	2013-2014 2012-2013 2012-2015 2009-2011 2007-2011 2006-2007 2003-2005 2001-2003 2002-2005 2001- 1999-2004 1997-98 1997-99,02-	Particle Physics Project Prioritization Panel (P5) Co-convenor Snowmass Higgs Working Group DØ Physics Coordinator Chair, Fermilab Program Advisory Committee (PAC) Fermilab Program Advisory Committee (PAC) DØ Physics Coordinator (Fermilab, on leave) Co-convenor DØ B Physics Working Group Co-convenor DØ B Jet Identification Group Natural Sciences and Research Council (NSERC, Canada) – Grant Selection Committee, Subatomic Physics Executive Committee, American Linear Collider Physics Group (ALCPG) Co-convenor American LC Higgs Physics Working Group OPAL Physics Coordinator (CERN, on leave) Departmental Executive Committee

Selected publications (co-author on 756 citable publications):

1. *Review of Physics Results from the Tevatron: Heavy Flavor Physics*, J. Lewis and R. Van Kooten, Int. J. Mod. Phys. A **30**, 1541003 (2015).
2. *Averages of b-hadron, c-hadron, and tau-lepton properties as of summer 2014*, Heavy Flavor Averaging Group (HFAG) Collaboration (Y. Amhis, *et al.*) (2014), arXiv:1412.7515 [hep-ex].
3. *Building for Discovery: Strategic Plan for U.S. Particle Physics in the Global Context*,

Particle Physics Projects Prioritization Panel (P5) (S. Ritz et al.) (2014),
<http://www.usparticlephysics.org/p5/>.

4. *Higgs Working Group Report of the Snowmass 2013 Community Planning Study*
S. Dawson, A. Gritsan, H. Logan, J. Qian, C. Tully, and R. Van Kooten,
arXiv:1310.8361 [hep-ex].
5. *Higgs Boson Studies at the Tevatron*, DØ & CDF Collaborations, Phys. Rev. **D 88**, 052014 (2013).
6. *Evidence for a particle produced in association with weak bosons and decaying to a bottom-antibottom quark pair in Higgs boson searches at the Tevatron*, DØ & CDF Collaborations, Phys. Rev. Lett. **109**, 071804 (2012).
7. *Measurement of the anomalous like-sign dimuon charge asymmetry with 9 fb⁻¹ of p pbar collisions*,
DØ Collaboration, V.M. Abazov *et al.*, Phys. Rev. **D 84** (2011) 052007.
8. *CPT violation and B-meson oscillations*, Alan Kostelecky, R. Van Kooten (Indiana U.),
Phys. Rev. **D 82** (2010) 101702(R), e-Print: arXiv:1007.5312 [hep-ph].
9. *Evidence for an anomalous like-sign dimuon charge asymmetry*, DØ Collaboration,
V.M. Abazov *et al.*, Phys. Rev. Lett. **105** (2010) 081801, arXiv:1007.0395 [hep-ex].
10. *Measurement of the lifetime of the B_c meson in the semileptonic decay channel*,
DØ Collaboration, V.M. Abazov *et al.*, Phys. Rev. Lett. **102**, 092001 (2009), arXiv:0805.2614.
11. *First Measurement of the B_s Semileptonic Branching Ratio to an Orbitally Excited D_s⁺ State*,
DØ Collaboration, V. Abazov *et al.*, Phys. Rev. Lett. **102**, 01801 (2009), arXiv:0712.3789.
12. *First Direct observation of the strange b baryon Ξ_b*, DØ Collaboration,
V. Abazov *et al.*, Phys. Rev. Lett. **99**, 052001 (2007).
13. *First Direct Limits on the B_s Oscillation Frequency*, DØ Collaboration,
V. Abazov *et al.*, Phys. Rev. Lett. **97**, 021802 (2006).
14. *Observation and Properties of the X(3872) Decaying to J/ψ π⁺π in pbbarp Collisions at sqrt(s)=1.96 TeV*,
DØ Collaboration, Phys. Rev. Lett. **93**, 162002 (2004).
15. *Higgs Physics at the Linear Collider*, J. Gunion, H. Haber, R. Van Kooten, in Linear Collider Physics
in the New Millennium (World Scientific), hep-ph/0301023.
16. *Search for Chargino and Neutralino Production at √s = 181–184 GeV at LEP*,
OPAL Collaboration, G. Abbiendi *et al.*, Eur. Phys. J. **C8** (1999) 255.
17. *Measurement of the Average Polarization of b Baryons in Hadronic Z0 Decay*,
OPAL Collaboration, G. Abbiendi *et al.*, Phys. Lett. **B444** (1998) 539.
18. *A Measurement of the Average Lifetime of b-flavoured Baryons*,
OPAL Collaboration, R. Akers *et al.*, Phys. Lett. **B316** (1993) 435.
19. *Searches for New Quarks and Leptons Produced in Z Boson Decay*,
MARK II Collaboration, G.S. Abrams *et al.*, Phys. Rev. Lett. **63** (1989) 2447.

(All publications available electronically at

<http://inspirehep.net/search?ln=en&ln=en&p=find+a+kooten>)

Collaborators & Other Affiliations:

Collaborators & Coauthors:

DØ Collaboration: 435 collaborators, www-d0.fnal.gov/author/authorlist/run2/d0-author-list.pdf ;
Heavy Flavor Averaging Group (HFAG), <http://www.slac.stanford.edu/xorg/hfag/> ;
Alan Kostelecky, Dept. of Physics, Indiana University

Thesis Advisor:

F. Fiedler (MS - 1995), S. Anderson (Ph.D. - 1998), Dayong Liu (Ph.D. - 2000),
A. Kryemadhi (Ph.D. - 2003), D. Krop (Ph.D. - 2007), J. Rieger (Ph.D. - 2007),
L. Welty (Ph.D. - 2008), Y. Feng (Ph.D.), A. Dattagupta (Ph.D.), Rebecca Linck (Ph.D.)

Postgraduate-Scholar Sponsor:

A. Mayorov (1998–03), K. Stevenson (2003–05), R. Abrams (2004–2007),
N. Parua (2006–2011), A. Lowe (2008–2009), X. Proveda (2011–)