

Biographical Sketch – Klaus Honscheid

Professional Preparation

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|-----------------------------|------------------|--------------------------------------|
| University of Bonn, Germany | Physics | Diploma, 1991 |
| University of Bonn, Germany | Physics | Dr. nat. (PhD), 1988 |
| University of Bonn, Germany | Physics | Research Associate, 1988 – 1989 |
| Cornell University | Particle Physics | Postdoctoral Researcher, 1990 – 1992 |

Appointments

| | | |
|---------------------|---------|---------------------------------------|
| Professor | Physics | Ohio State University, 2000 – present |
| Associate Professor | Physics | Ohio State University, 1996 – 2000 |
| Assistant Professor | Physics | Ohio State University, 1993– 1996 |

Related Products

Co-author of 802 journal articles with 60,000+ citations, h-index = 101

- “The Baryon Oscillation Spectroscopic Survey of SDSS-III”, K. Dawson et al, *Astronomical Journal* 145 10 (2013)
- “Image analysis for cosmology: results from the GREAT10 Galaxy Challenge”, T. D. Kitching et al, *MNRAS* 423, 3163 (2012)
- “The Status of the Dark Energy Survey Camera project”, B. L. Flaugher et al, *Proc. SPIE* 8446 (2012)
- “The readout and control system of the Dark Energy Camera”, K. Honscheid et al, *Proc. SPIE* 8451 (2012)
- “Baryon acoustic oscillations in the Ly α forest of BOSS quasars”, N. G. Busca et al, *Astronomy & Astrophysics*, Volume 552, id.A96 (2013)

Other Significant Products

- “The clustering of galaxies in the SDSS-III Baryon Oscillation Spectroscopic Survey: Baryon Acoustic Oscillations in the Data Release 9 Spectroscopic Galaxy Sample.”, L. Anderson et al., *MNRAS* 428, 1036 (2013)
- “Review of Particle Properties”, S. Edelmann et al., *Phys. Lett. B* **592**, 1 (2004)
- “Nonleptonic decays and lifetimes of b quark and c quark hadrons”, T. E. Browder, K. Honscheid, D. Pedrini, *Ann.Rev.Nucl.Part.Sci.* 46 395-469 (1996)
- “SDSS-III: Massive spectroscopic surveys of the distant universe”, D. J. Eisenstein et al, *The Astronomical Journal* 142 72 (2011)
- “Combining Probes of Large-Scale Structure”, T. Eifler et al., arXiv:1301.0571 (2013)

Synergistic Activities

Recent Service: Convener for 2013 APS Snowmass group on dark energy and CMB, CF5 (2013), DOE/NSF High Energy Physics Advisory Panel, HEPAP (2012-2014), Lawrence Berkeley National Lab Physics Division Review Panel (2013), DOE Cosmic Frontier Laboratory Program Review Panel (2010, 2013)

Dark Energy Survey Collaboration: System Scientist (2013 –), Publication Board Chair (2008 –), Science Verification Co-Chair (2012 – 2013), DECam Data Acquisition System Project Leader (2007 – 2013), Management Committee (2007 –), Executive Committee (2009 –)

Dark Energy Spectroscopic Instrument: Executive Committee (2012 –), Instrument Control System Project Leader (2013 –), Spokesperson Search Committee (2013)

Collaborations

| | |
|----------------|--------------------------------|
| 2002 – 2013 | BaBar Collaboration |
| 2005 – present | LSST & LSST DESC Collaboration |
| 2007 – present | DES Collaboration |
| 2008 – present | BOSS Collaboration |
| 2011 – present | DESI Collaboration |

Graduate and Postdoctoral Advisor

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|----------------------|----------------------------------|
| Graduate Advisor | R. Wedemeyer, University of Bonn |
| Postdoctoral Advisor | D. Cassel, Cornell University |

Graduate and Postdoctoral Advisees during the past 5 years

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|------------------|------------------------------|---|
| Joe Regensburger | PhD Student | now at Battelle |
| Luke Corwin | PhD Student | now at University of Indiana |
| James Morris | PhD Student | now at Stony Brook Medical School |
| Don Burdette | PhD Student | now Director of Research at Traycer Systems |
| Jeff Steinberg | PhD Student | now at Duke University |
| Eric Cochran | PhD Student | now at University of Cincinnati |
| Julia Young | PhD Student | now at LMU, Munich |
| Ken Patton | current PhD Student | |
| Eric Suchyta | current PhD Student | |
| Kyler Kuehn | Postdoc | now at Argonne National Lab |
| Mandeep Gill | Postdoc | now at SLAC |
| Tim Eifler | CCAPP Fellow | now at University of Pennsylvania |
| Peter Melchior | current Postdoc/CCAPP Fellow | |
| Eric Huff | current Postdoc/CCAPP Fellow | |