

# Professor Sarah Eno

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*Professor Eno's field of research is experimental high energy physics. She is interested in searches for new particles, precision studies of the weak and strong force using final states containing weak bosons, calorimetry, reconstruction algorithms and methods for missing transverse energy and jets, reconstruction algorithms for jets in the hcal, and radiation damage to plastic scintillators.*

## Education:

- Ph.D., University of Rochester, February 1990, Physics
- B.A., Gettysburg College, June 1984, Physics

## Past experiments:

- AMY at KEK (1984-1989)
- CDF at the Tevatron (1989-1993)
- D0 at the Tevatron (1993-2009)
- CMS (1999-present)

## Fellowships, Prizes, and Awards:

- Outstanding Junior Investigator, Department of Energy (1995-1999).
- Young Alumni Achievement Award, Gettysburg College (1999).
- Fellow, American Physical Society (elected 2009).
- "One of the Most Valuable Reviewers" award, Nuclear Instruments and Methods, Section A (2010).
- Distinguished Scholar Teacher, University of Maryland (2014).
- Outstanding Referee of Physical Review and Physical Review Letters (2015).

## Professional Service:

- Co-convener of the W mass sub-group, CDF collaboration (1992).
- Co-convener of the Electroweak studies group, CDF collaboration (1993).
- Co-convener of the new particles search group, D0 collaboration (1996-1998).
- Fermilab Users Executive Committee (1998-2000).
- Convener of the Jets and Missing Et group, CMS Collaboration (1999-2002).
- Co-convener of the Dzero Collaboration simulation group (Mar. 2003-Jun. 2005)
- Co-convener of the Dzero Collaboration "W mass" working group, (Feb. 2004 - Jun. 2005).
- APS "Division of Particles and Fields" executive committee (fall 2004 to fall 2007).
- Fermi National Accelerator Laboratory "Program Advisory Panel" (Spring 2005-2009).
- Federal "High Energy Physics Advisory Panel" (HEPAP), DOE (Spring 2007-2009).
- Chair of the Federal "High Energy Physics Advisory Panel" (HEPAP) Informal Working Group of University Issues (2009).
- Co-convener of the "LHC Physics Center" (Jan. 2004-Jul. 2007).
- US CMS Physics Coordinator (2005-2007).
- Co-convener of the CMS collaboration "SUSY/Beyond-the-standard Model" search group (spring 2006 to fall 2007).

- CMS exotica particles search group convener (2007-2008).
- Selection committee for “Panofsky” prize of the DPF division of APS (2010-2012).
- Co-convener of CMS “leptoquark” subgroup (2009-2011).
- Co-convener of CMS subgroup for studying MET (2010 and 2011).
- CMS publications committee, exotica new particles subgroup (2012, ongoing since 2015).
- Co-convener of CMS collaboration board career committee (2012, 2013).
- Co-convener nonhadronic subgroup of the CMS collaboration exotica particles search group (2013, 2014).
- LPC management board 2016,2017.
- Co-convener of the CMS HCAL group publications committee (ongoing from 2016).
- chair selection committee LPC co-coordinator 2016
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- SMP pub com co-chair (ongoing from 2017).
- committee to review PRD 2018.
- USATLAS Phase II upgrade DOE/NSF review committee 2019
- DOE ”Basic research needs” panel, calorimetry 2019.
- USCMS deputy CB chair 2018-2019
- USCMS SC fellowship selection committee 2019