

Additional Senior Personnel: Kenneth Hicks

Professional Preparation

Indiana University, B.S. (physics, with honors), 1980
 University of Colorado, Ph. D. (nuclear physics), 1984
 Postdoctoral Research Associate, TRIUMF (1984-1985)

Appointments

American Physical Society Fellow, 2005.
 Professor, Ohio University (April 1997 to present)
 Associate Professor, Ohio University (1992 to 1997)
 Assistant Professor, Ohio University (1988 to 1992)
 Research Scientist, TRIUMF (1985-1988)

Publications

Over 150 publications in refereed physics journals. More than 40 invited talks published in edited conference proceedings. The 5 most relevant recent publications are:

1. B. McKinnon, K. Hicks, *et al.* (the CLAS Collaboration), “Search for the Θ^+ pentaquark in the reaction $\gamma d \rightarrow pK^-K^+n$ ”, *Phys. Rev. Lett.* **96**:212001 (2006).
2. I. Hleiqawi and K. Hicks, “ K^{*0} photoproduction off the proton at CLAS” *Proceedings of the NSTAR 2005 Conference*, S. Capstick, V. Crede, P. Eugenio, eds., World Scientific, Singapore, 2006.
3. H. Kohri *et al.* (the LEPS Collaboration), “Differential Cross Section and Photon-Beam Asymmetry for the $\bar{\gamma}n \rightarrow K^+\Sigma^-$ Reaction at $E_\gamma = 1.5\text{-}2.4$ GeV”, *Phys. Rev. Lett.* **97**:082003 (2006).
4. T. Mibe *et al.* (the LEPS Collaboration), “Near-Threshold Diffractive ϕ -meson Photoproduction from the proton”, *Phys. Rev. Lett.* **95**:182001 (2005).
5. M. Sumihama *et al.* (the LEPS Collaboration), “The $\bar{\gamma}p \rightarrow K^+\Lambda$ and $\bar{\gamma}p \rightarrow K^+\Sigma^0$ reactions at forward angles with photon energies from 1.5 to 2.4 GeV”, *Phys. Rev. C* **73**:035214 (2006).

Five other significant publications are:

1. K. Hicks, “Experimental search for pentaquarks”, *Prog. Nucl. Part. Phys.* **55** (2005) 647-676.
2. S. Niccolai *et al.* (the CLAS Collaboration), “Search for the Θ^+ pentaquark in the $\gamma d \rightarrow \Lambda n K^+$ reaction measured with CLAS”, *Phys. Rev. Lett.* **97**:032001 (2006).
3. M. Battaglieri *et al.* (the CLAS Collaboration), “Search for Θ^+ pentaquark in a high statistics measurement of $\gamma p \rightarrow \bar{K}^0 K^+ n$ at CLAS”, *Phys. Rev. Lett.* **96**:042001 (2006).
4. S. Stepanyan, K. Hicks *et al.* (the CLAS collaboration), “Observation of an Exotic $S=+1$ Baryon in Exclusive Photoproduction from the Deuteron”, *Phys. Rev. Lett.* **91**, 252001 (2003).
5. T. Nakano *et al.* (the LEPS collaboration), “Evidence for a Narrow $S=+1$ Baryon Resonance in Photoproduction from the Neutron”, *Phys. Rev. Lett.* **91**, 012002 (2003).

Synergistic Activities

Monthly Columnist, *The Columbus Dispatch* newspaper, 2006-present.

Undergraduate Chair, Department of Physics & Astronomy, 2006-present.

Project Director, *Structure of the Universe: Quarks to the Cosmos*, 2005-present

Presidential Research Scholar (5 yr. term), Ohio University, 2004-present.

Co-spokesman, Ohio University 1804 grant, *Personal Response System for Use in Physical Sciences Courses*, 2004.

Collaborators

1. The CLAS Collaboration at TJNAF.
2. The LEGS Collaboration at BNL.
3. The LEPS Collaboration at SPring-8, Japan.

Students and Postdocs Supervised:

1. Ph.D. students: Henry Clark (1993), Hong Zhang (1995), Rodney Michael (1995), Khamit Ardashev (2002), Chris Bade (2006), Ishaq Hleiqawi (2006), Serdar Kizilgul (present).
2. M.S. Thesis students: Adam Weisberg (2001), Daniel Sayre (2006).
3. Postdoctoral Fellows: Bart Larson (1991-93), Robert Deininger (1996-2001), Gabriel Niculescu (1998-2002), Jack Mahon (2001-present), Avto Tkabladze (2002-2005), Tsutomu Mibe (2004-present).

Advisors:

1. Hicks' Ph.D. advisor: Robert Ristinen, University of Colorado.
2. Hicks' postdoctoral advisor: Otto Häusser, Simon Fraser University.