

ROBERT DEAN SCHAMBERGER JR.

(A) CURRICULUM VITAE

DATE OF BIRTH: June 28, 1948

ADDRESS: Department of Physics
State University of New York
Stony Brook NY 11794

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EDUCATION: SUNY at Stony Brook, Major: Physics, B.S.(1970)
SUNY at Stony Brook, Major: Physics, Ph.D. (1976)
SUNY at Stony Brook, Area: High Energy Physics, (1976-1981)

(B) APPOINTMENTS

EMPLOYMENT: Technical Director of the High Energy Physics Laboratories (1993 –)
Principal Research Scientist, SUNY Stony Brook (1988 – 1993)
Senior Staff Scientist, SUNY Stony Brook (1985 – 1988)
Senior Research Associate, SUNY Stony Brook (1981 – 1985)
Research Associate, SUNY Stony Brook (1976 – 1981)

OTHER: Co-Principal Investigator, National Science Foundation (1980 –)

(C1) PUBLICATIONS RELATED TO THIS PROPOSAL

1. “Beam Tests of the DØ Uranium Liquid Argon End Calorimeters”, S. Abachi *et al.*, Nucl. Instrum. and Meth. **A324**, 53, 1992.
2. “The Upgraded DØ Detector”, V.M. Abazov *et al.*, Nucl. Instrum. Methods in Phys. Res. A **565**, 463 (2006).
3. “Measurement of the W Boson Mass”, Submitted 8/5/09: Phys. Rev. Lett.
4. “Observation of Single Top-Quark Production”, V.M. Abazov *et al.*, Phys. Rev. Lett. **103**, 092001 (2009).
5. “Search for Dark Photons from Supersymmetric Hidden Valleys” V.M. Abazov *et al.*, Phys. Rev. Lett. **103**, 081802 (2009).

(C2) OTHER PUBLICATIONS

1. “E1 Transitions from the Υ State and the Fine Structure of the χ_b States ”, M. Narain, D. M. J. Lovelock, U. Heintz, J. Lee-Franzini, R. D. Schamberger, J. Willins, C. Yanagisawa., P. Franzini, P. M. Tuts, S. Kanekal, and Q. W. Wu, Phys. Rev. Lett. **66**, 3113 (1991).
2. “ Measurement of the B^* Cross Section at $\sqrt{s} = 10.61$ to 10.70 GeV”, Q.W. Wu, P. Franzini, S. Kanekal, P.M. Tuts, U. Heintz, J. Lee- Franzini, M. Narain, R.D. Schamberger, J. Willins, and C. Yanagisawa, Physics Letters **B273**, 177 (1992).
3. “Top Quark Search with the DØ 1992 – 93 Data Sample”, S. Abachi *etal.*, Phys. Rev. **D52**, 4877 (1995).
4. “CUSB-II: A High Precision Electromagnetic Spectrometer”, R. D. Schamberger, U. Heintz, J. Lee-Franzini, D. M. J. Lovelock, M. Narain, J. Willins, C. Yanagisawa, P. M. Tuts, P. Franzini, S. Kanekal and Q. W. Wu, Nucl. Inst. and Meth. **A309** 450, (1991).
5. “Search for Resonant Diphoton Production with the DØ Detector”, V.M. Abazov *etal.*, Phys. Rev. Lett. **102**, 231801 (2009).

(D) SYNERGISTIC ACTIVITIES

Organize the Operating Calorimeters session of the CALOR 2008 conference, 26 - 30 May 2008, Pavia Italy.

(E1) OTHER COLLABORATORS

D0 collaboration (<http://www-d0.fnal.gov/author/authorlist.html>)

Atlas collaboration (<http://graybook.cern.ch/programmes/experiments/lhc/ATLAS.html>)

(E2) ADVISOR

(Ph.D. Thesis and Postdoc Advisor): Juliet Lee-Franzini (Laboratori Nazionali di Frascati dell'INFN, Frascati, Italy)

(E3) ADVISEES

(Postdoc advisor for): Adam Yurkewicz, SUNY at Stony Brook

Total: 1