



Graduate Enrolled Student Office, 438 Cabell Hall  
P.O. Box 400773  
University of Virginia  
Charlottesville, VA 22904-4773  
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<http://artsandsciences.virginia.edu/grad/>

## Ph.D. Degree Application

This form is to be completed by students applying for the Doctor of Philosophy degree. Applicants must obtain required signatures of their thesis/dissertation advisor, the department secretary and the department Chair and submit this form to the Enrolled Student Office, 438 Cabell hall. Deadlines for submission are: **October 1** (January graduation), **February 1** (May graduation), **July 1** (August graduation).

University ID# 481984007 Semester and Year Entered GSAS Fall 2006

Full Legal Name (for Diploma) Rachel Paula Yohay

*\*\* Please include accent marks, capitalization and special characters*

Permanent Address 1372 Sandra Lane

Street / Apartment / P.O. Box

Merrick, NY 11566

City

State

Zip

Phone (516) 754-5452 E-mail rp3y@virginia.edu

Preferred Method of Contact ☐ Mail ☒ E-mail ☐ Phone

Degree Sought Physics

to be Conferred 8/1/12

Major

Date (M/D/Y)

Degrees Now Held (Final Transcripts showing the award of these degrees must be on file in GSAS)

| Degree Gra          | nting Institution                  | Year Received |
|---------------------|------------------------------------|---------------|
| Bachelor of Science | California Institute of Technology | 2006          |
|                     |                                    |               |
|                     |                                    |               |
|                     |                                    |               |

Title of Dissertation A Search in the Two-Photon Final State for Evidence of New Particle Production in pp Collisions at  $\sqrt{s} = 7$  TeV

Foreign Language Requirement Satisfied as Follows: (where taken, when completed, and how attested)

N/A


Graduate Courses Offered in Candidacy for this Degree (do not list audits)

| Mnemonic | Number | Title of Course                  | Semester Hours | Semester & Year of Completion | Grade |
|----------|--------|----------------------------------|----------------|-------------------------------|-------|
| phys     | 521    | Theoretical Mechanics            | 3              | Fall 2006                     | A-    |
| phys     | 742    | Electricity & Magnetism I        | 3              | Fall 2006                     | B+    |
| phys     | 751    | Quantum Theory I                 | 3              | Fall 2006                     | A     |
| phys     | 901    | General Physics Research Seminar | 3              | Fall 2006                     | A     |
| phys     | 981    | High Energy Seminar              | 3              | Fall 2006                     | A     |

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| Mnemonic                  | Number | Title of Course                                  | Semester Hours | Semester & Year of Completion | Grade |
|---------------------------|--------|--|----------------|-------------------------------|-------|
| phys                      | 743    | Electricity & Magnetism II                       | 3              | Spring 2007                   | B     |
| phys                      | 752    | Quantum Mechanics II                             | 3              | Spring 2007                   | A     |
| phys                      | 831    | Statistical Mechanics I                          | 3              | Spring 2007                   | B+    |
| phys                      | 902    | General Physics Research Seminar                 | 3              | Spring 2007                   | A     |
| phys                      | 982    | High Energy Seminar                              | 3              | Spring 2007                   | A     |
| phys                      | 519    | Electronics                                      | 3              | Fall 2007                     | A     |
| phys                      | 853    | Introduction to Field Theory                     | 3              | Fall 2007                     | A     |
| phys                      | 875    | Elementary Particle Physics                      | 3              | Fall 2007                     | A     |
| phys                      | 981    | High Energy Seminar                              | 3              | Fall 2007                     | A     |
| phys                      | 524    | Introduction to the Theory of General Relativity | 3              | Spring 2008                   | A     |
| phys                      | 854    | Modern Field Theory                              | 3              | Spring 2008                   | B+    |
| phys                      | 982    | High Energy Seminar                              | 3              | Spring 2008                   | A     |
| phys                      | 593    | Independent Study                                | 3              | Fall 2007                     | A     |
| phys                      | 593    | Independent Study                                | 6              | Spring 2008                   | A+    |
|                           |        |  |                |                               |       |
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|                           |        |  |                |                               |       |
|                           |        |  |                |                               |       |
|                           |        |  |                |                               |       |
| <b>Total Credit Hours</b> |        |  | 60             |                               |       |

|      |     |                      |    |             |   |
|------|-----|----------------------|----|-------------|---|
| phys | 999 | Non-Topical Research | 6  | Summer 2008 | S |
| phys | 999 | Non-Topical Research | 12 | Fall 2009   | S |

|                         |   |              |
|-------------------------|---|--------------|
| Application Approved By | Signature of Department Secretary   | Date (M/D/Y) |
|                         |  | 6/27/12      |
|                         | Signature of Dissertation Advisor   | Date (M/D/Y) |
|                         | Signature of Department Chair   | Date (M/D/Y) |