

Current Information

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Education

- 1999 – present Ph.D. in Physics
 University of British Columbia
 Thesis in progress: *Black Hole Formation and Accretion in Electromagnetically Interacting Systems*
 Advisor: Prof. M. W. Choptuik
- 1997 – 1999 M.Sc. in Physics
 University of British Columbia
 Thesis: *Conditional Probabilities in the Quantum Cosmology of Ponzano-Regge Theory*
 Advisor: Prof. K. Schleich
- 1996 – 1997 Certificate of Advanced Study in Mathematics
 University of Cambridge
- 1991 – 1996 B.Sc. in Physics
 University of Manitoba

Academic Awards, Fellowships and Honors

- 2002 – present University of British Columbia Graduate Fellowship—R. Howard Webster Foundation Fellowship
- 2001 – 2002 University of British Columbia Graduate Fellowship
- 2001 American Physical Society Northwest Section Meeting Award for Best Talk by Graduate Student in Relativity and Astrophysics
- 2001 American Physical Society Northwest Section Meeting Travel Award
- 1999 – 2001 Natural Sciences and Engineering Research Council of Canada Scholarship—Postgraduate Scholarship
- 1999 – 2001 University of British Columbia Faculty of Science Grant Supplement Award

2000	American Physical Society Northwest Section Meeting Travel Award
1998 – 2000	University of British Columbia Graduate Fellowship
1991 – 1994	Natural Sciences and Engineering Research Council of Canada Scholarship— Canada Scholarship
1991 – 1992	Canadian Association of Physicists Prize Examination Award
1991 – 1992	University of Manitoba Entrance Scholarship
1991 – 1992	Ed Schreyer Memorial Award

Refereed Publications

1. M. W. Choptuik, L. Lehner, I. Olabarrieta, R. Petryk, F. Pretorius and H. Villegas, *Towards the final fate of an unstable black string*, Phys. Rev. D **68**, 044001 (2003).
2. R. Petryk and K. Schleich, *Conditional probabilities in Ponzano-Regge minisuperspace*, Phys. Rev. D **67**, 024019 (2003).
3. G. Kunstatter, R. Petryk and S. Shelemy, *Hamiltonian thermodynamics of black holes in generic 2-D dilaton gravity*, Phys. Rev. D **57**, 3537 (1998).

In Preparation

R. Petryk and M. W. Choptuik, *Critical collapse of massive electromagnetically coupled scalar fields*.

Conference and Other Presentations

1. R. Petryk (speaker) and M. W. Choptuik, *Critical Collapse of the Massive Electromagnetically Coupled Complex Scalar Field*, Black Holes IV (2003).
2. R. Petryk (speaker) and M. W. Choptuik, *Critical Collapse of Electromagnetically Coupled Complex Scalar Fields*, American Physical Society April Meeting (2003).
3. R. Petryk (speaker) and M. W. Choptuik, *Electromagnetically Coupled Complex Scalar Fields on a Schwarzschild Background*, American Physical Society Northwest Section Meeting (2002).
4. R. Petryk (speaker) and M. W. Choptuik, *Dynamics of Massive Electromagnetically Coupled Complex Scalar Fields on a Schwarzschild Spacetime Background*, American Physical Society Northwest Section Meeting (2001).
5. R. Petryk (speaker) and K. Schleich, *Conditional Probabilities in the Quantum Cosmology of Ponzano-Regge Theory*, American Physical Society Northwest Section Meeting (2000).
6. R. Petryk (speaker), various internal presentations, Department of Physics and Astronomy, University of British Columbia (1998 – present).

- 1997 – present Research Assistant—University of British Columbia, Dept. of Physics and Astronomy
- 1998 – 2001 Elected Graduate Student Representative to the Faculty—University of British Columbia, Dept. of Physics and Astronomy
- 1997 – 2001 Teaching Assistant—University of British Columbia, Dept. of Physics and Astronomy
- 1995, 1996 Summer Student Research Assistant—University of Winnipeg, Dept. of Physics
- 1994 – 1996 Elected Departmental Council Member—University of Manitoba, Dept. of Physics
- 1992 – 1996 Tutor—University of Manitoba, Dept. of Physics
- 1993, 1994 Summer Student Research Assistant—University of Manitoba, Dept. of Physics

Memberships and Affiliations

American Physical Society
Canadian Association of Physicists

References

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