

# Luis C. Reyes

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Birthdate: October 19th, 1979  
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lreyes@umd.edu

## Curriculum Vitae

### Education

<b>Ph.D. Physics</b>	2007 (Expected)
University of Maryland, College Park	
<b>BS. Physics</b>	2001
Universidad de los Andes, Colombia	

### Research Experience

<b>Research Assistant</b>	2003–Present
Advisor: Steve Ritz	
NASA - Goddard Space Flight Center	
<i>The Gamma-ray Large Area Space Telescope (GLAST) and attenuation of gamma-ray blazars by Extragalactic Background Light (EBL)</i>	

### Undergrad Thesis

Advisor: Juan C. Sanabria	2001
Universidad de los Andes, Bogota - Colombia	
<i>Extensions to the Standard Model with massive neutrinos and the Solar Neutrino Problem</i>	

### Summer Internship

Advisors: Liu Lin and Ruy H. Farias	2001
Laboratório Nacional de Luz Síncrotron (LNLS), Campinas - Brazil	
<i>Multi-turn injection in the Synchrotron Booster at LNLS</i>	

### Awards and Honors

<b>Excellence Award for Teaching Assistants</b>	2002
Physics Dept - University of Maryland	
<b>Graduation with Honors</b>	2001
Universidad de los Andes, Colombia	
<b>National Andres Bello Award and Scholarship</b>	1996
Ministerio de Educación de Colombia	

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## Teaching Experience

Teaching Assistant Physics Department - University of Maryland, College Park	2001-2002
Teaching Assistant Physics Department - Universidad de los Andes, Colombia	2000-2001

## Presentations

*EBL attenuation of Data Challenge II (DC2) sources.*  
GLAST DC2 Closeout Meeting, NASA-GSFC, Greenbelt, MD, June 2006

*AGN Science with GLAST.*  
APS April Meeting, Dallas, TX, April 2006.

*EBL studies as an example of spectral analysis with likelihood.*  
GLAST DC2 Kickoff Meeting, SLAC, March 2006

*GLAST Anti-coincidence Detector (ACD) studies with surface muons.*  
GLAST Integration & Test Workshop VI, SLAC, February 2006

*EBL attenuation of blazars.*  
Gamma-ray discussion Group, NASA-GSFC, Greenbelt, MD, November 2005

*EBL models available for simulation in GLAST software. EBL studies.*  
GLAST Blazar and other AGNs science group meeting, SLAC, August 2005

*Study of high rate runs during LAT integration.*  
GLAST Integration & Test Workshop IV, SLAC, July 2005

*Study of the Tracker Trigger.*  
GLAST Integration & Test Workshop III, SLAC, March 2005

*The Solar Neutrino Problem.*  
High Energy Physics Seminar, Universidad de los Andes, Colombia, October 2000

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## Posters

*Detecting the EBL attenuation of blazars with GLAST.*

Reyes, L. C., HEAD Meeting, San Francisco, CA, October 2006

*GLAST and Ground-Based Gamma-Ray Astronomy.*

McEnery J., et al, HEAD Meeting, San Francisco, CA, October 2006

*Detecting the EBL attenuation of blazars with GLAST.*

Reyes, L. C., Maryland Astrophysics Conference, College Park, MD, October 2006

## Analysis Memos

Reyes, L. C., *LAT Integration: Comparison of High Rate and Baseline runs during the 2-tower integration tests*, LAT-DOC AM-07186, (2005)

## Refereed Publications

Chen, A., Reyes, L.C., Ritz, S., *Detecting the Attenuation of Blazar Gamma-Ray Emission by Extragalactic Background Light with the Gamma-Ray Large Area Space Telescope*, Astrophysical Journal, 608, 686, (2004)

Benitez, J. A., Reyes, L.C., *Simetrías*, Revista Colombiana de Física, 33, 56, (2001)