

Proposal for *Compton* GRO Guest Investigation

CGRO-98-108

Cover Form

NRA 98-OSS-01

PI Name DR. MARK L. MCCONNELL <small>Title First name Middle initial Last name</small>				Date 1998-05-06
PI Institution UNIVERSITY OF NEW HAMPSHIRE				
Department SPACE SCIENCE CENTER				
Street Address MORSE HALL				
City DURHAM	State NH	Country USA	Postal Code 03824	
Telephone 603-862-2047		Fax 603-862-4685		
E-mail address MARK.MCCONNELL@UNH.EDU				
Proposal Title COMPTTEL STUDIES OF GAMMA-RAY BURSTS AT MEV ENERGIES				
Proposal Type <input checked="" type="checkbox"/> Y Type 1 Analysis of Archival Data <input type="checkbox"/> N Type 3 Correlative Research <input checked="" type="checkbox"/> Y Type 2 Request for Observing Time <input checked="" type="checkbox"/> Y Type 4 Service Proposal				
Subject Category GAMMA RAY BURSTS				
Estimate of Total Project Cost \$ 20000				

Abstract: 1000 characters maximum(about 150 words).

We propose to analyse and interpret gamma-ray burst (GRB) data using both the telescope mode data and the single detector burst mode data from COMPTTEL. Collectively, these data span the energy range from 300 keV up to 30 MeV. The first goal of our proposal will be to perform a standard analysis for each significant GRB event seen by COMPTTEL. This includes GRBs that are registered by the telescope mode data as well as GRBs that are registered only in the burst mode data. We would also define a set of standard data products (including deconvolved photon spectra) that, for each detected GRB event, would be made available via the COMPTTEL GRB Web Page. The second goal of our proposed program will be to perform more detailed studies of selected GRB events. This would represent a continuation of past GRB studies by the COMPTTEL team.

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General Form

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PI Name DR. MARK L. MCCONNELL <small>Title First name Middle initial Last name</small>	Date 1998-05-06
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Proposal Title COMPTEL STUDIES OF GAMMA-RAY BURSTS AT MEV ENERGIES

Co-Investigators			
Last name	First name	Institution	Country
RYAN	JAMES	UNH	USA
CONNORS	ALANNA	UNH	USA
SCHOENFELDER	VOLKER	MPE	GERMANY
WINKLER	CHRISTOPH	SSD/ESA	NETHERLANDS
WILLIAMS	OWEN	SSD/ESA	NETHERLANDS
HERMSEN	WIM	SRON/UTRECHT	NETHERLANDS
KIPPEN	R. MARC	UAH/MSFC	USA

PI Institution UNIVERSITY OF NEW HAMPSHIRE
Administrative Authority (optional) ASSOCIATE DIRECTOR, UNH OFFICE OF SPONSORED RESEARCH
Administrator (optional) STEVEN BERNSTEIN
Signature: _____ Date: _____

Statement as to the desired affiliation with Instrument Team or special access to proprietary data. PI IS A MEMBER OF THE COMPTEL TEAM.

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Special Requirements Form

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Special Requirements: Please indicate additional required scheduling constraints, special operational modes, or other special requests for any of the relevant targets from the above list. When including scheduling constraints for correlative or targeted observations, please include the widest possible window to facilitate scheduling. Stricter constraints will decrease the likelihood of a candidate target being scheduled.

WE REQUEST ACCESS TO ALL GAMMA-RAY BURST EVENTS THAT PRODUCE A SIGNIFICANT SIGNAL IN COMPTTEL FOR THE PURPOSE OF PERFORMING STANDARD DATA ANALYSIS ON EACH EVENT.