Jefferson Lab

ENERGY

	Editing Proposal
C 44)	Note: This page is for editting Proposal - A Search for Hybrid Baryons in Hall B with CLAS12
	The deadline to complete this proposal is: 06/06/2016 08:00 AM EDT
	If you need to create a new proposal click here
	This proposal can not be modified because it was submitted.
	Proposal Cover Sheet(PAC 44)
	Proposal Type New Run Group Proposal
	Current Status: Submitted
	Toggle(Expand/Collapse) Content
	Basic Information
	Title *
	A Search for Hybrid Baryons in Hall B with CLAS12
	Other Run Group Titles
	Indicate the other proposal titles in this group Add Other Proposal
	•
	Proposal Title *
	Nucleon Resonance Structure Studies Via Exclusive KY Electroproduction at 6.6 GeV
	and 8.8 GeV
	Remove
	Proposal Title * Deeply Virtual Compton Scattering with
	CLAS12 at 6.6 GeV and 8.8 GeV
	Remove
	Dura Daranda dira Arananda
	Days Requested for Approval 100
	Experiment Halls *
	Acc
	Proposal Physics Goals:

Indicate any Experiments that have physics goals similar to those in your proposal.

Approved, Conditionally Approved, and/or Deferred Experiment(s) or proposals. E12-06-108A, E12-09-003

Collaboration-Approved Proposals: If you will be running in parallel with an approved experiment, please indicate the experiment number

none

Key Experiment Parameters

List Beam Energies and Beam Days: (e.g. 30 Days at 11 GeV, 20 Days at 8 GeV)

50 days at 6.6 GeV, 50 days at 8.8 GeV

List Range of Beam Currents: (e.g. 10-60 mA)

1-200 nA

Indicate Major Apparatus: (e.g. CLAS12 & RICH, GLUEX, SHMS, HMS, SBS, SOLID)

CLAS12 & FT & RICH & MM	
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Add Spokeperson	
Spokeperson *	
Ralf Gothe	
Remove	
Spokeperson *	
Evgeny Golovach	
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Spokeperson *	
Victor Mokeev	
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Spokeperson *	
Daniel S. Carman	
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Spokeperson *	
Volker Burkert	
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Name *	
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-	
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After saving, this email address will automatically receive an email that will provide information on how to update this proposal if needed before the deadline.	
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thor List	
As of PAC 43, the author list section was added and should include the full first name, last name, institution, and author type of each author.	
Please select the CSV file that contains the authors list. Any author with the same first name, last name, and institution will be ignored.	
File Format	
Click here to view a sample file	
Accepted extensions list:	
• .CSV	
• .txt	
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Clear Proposal's Authors List This section contains the saved proposal's authors. move All Authors First Name Last name Institution Author Type Craig Roberts Argonne National Laboratory Author Valery Lyubovitskij Tomsk State University Author Aznauryan Inna Yerevan Physics Institute Author Cesar Fernandez-Ramirez Universidad Nacional Autonoma Author Alessandra Filippi INFN Sezione di Torino Author Mauro Taiuti INFN Sezione di Genova Author Elena Santopinto INFN Sezione di Genova Author INFN Sezione di Genova Marco Rinani Author Mikhail Osinenko INFN Sezione di Genova Author Frica Fanchini INFN Sezione di Genova Author Raffaella De Vita INFN Sezione di Genova Author Andrea Celentano INFN Sezione di Genova Author Marco Battaglieri INFN Sezione di Genova Author Aram INFN Sezione di Ferrara Movsisyan Author INFN Sezione di Ferrara Author Paolo Lenisa Contalbrigo INFN Sezione di Ferrara Author Marco Giuseppe Ciullo INFN Sezione di Ferrara Author INFN Sezione di Ferrara Author Luca Barion Ilaria Author Balossino INFN Sezione di Ferrara Author Francesco Tortorici INFN Sezione di Catania INFN Sezione di Catania Author Concetta Sutera Giuseppe Russo INFN Sezione di Catania Author Francesco Mammoliti INFN Sezione di Catania Author INFN Sezione di Catania Author Vincenzo Bellini Michael Author Doring The George Washington Universi Jan Ghent University Author Ryckebusch Johnathan Gross Florida State University Author Volker Crede Florida State University Author Philip Cole Idaho State University Author Matteo Turisini INFN Sezione di Ferrara Author Luciano Pappalardo INFN Sezione di Ferrara Author Simon Capstick Florida State University Author Adam Szczepaniak Jefferson Laboratory Author Alessandro Pilloni Jefferson Laboratory Author Vladyslav Pauk Jefferson Laboratory Author Vincent Mathieu Jefferson Laboratory Author Iuliia Skorodumina University of South Carolina Author Ralf University of South Carolina Spokesperson Gothe Obukhovsky Moscow State University Author Igor Moscow State University Author Evgeny Isupov Boris Ishkhanov Moscow State University Author Moscow State University Spokesperson Evgeny Golovach Moscow State University Gleb Fedotov Author Alessandro Rizzo Universita di Roma Tor Vergata Author Lucilla Lanza Universita di Roma Tor Vergata Author

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Carman

Burkert

D'Angelo

Kubarovsky

List below significant resources - both in equipment and human - that you are requesting from Jefferson Lab in support of mounting and executing the proposed experiment. Do not include items that will be routinely supplied to all running experiments such as the base equipment for the hall and technical support for routine operation, installation, and maintenance.

Major Installations

Equipment

None beyond standard Hall B

Support Structures

None beyond standard Hall B

Data Aquisition/Reduction

Support Structures

JLab computer farm, Hall B DAQ, MSS for data storage, work disk space for cooking and analysis, standard Hall B online/offine computing

Software

Standard Hall B DAQ for online, standard calibration, cooking, and analysis software and support for Hall B data reduction, analysis, and simulation, CLAS12 database

Magnets CLAS12 torus and solenoid, standard beamline magnets including the Hall B photon tagger for beam tuning and Moller polarimeter

Power Supplies Standard supplies for Hall B operation of CLAS12 and beamline elements

Targets Unpolarized liquid-hydrogen target, 5-cm long, standard Hall B configuration

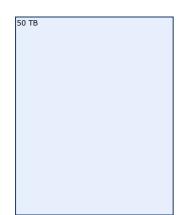
Detectors CLAS12, MM, FT, CND, RICH, Tagger, beamline

Electronics

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the primary basis routine	
Beam-On Time(hours	s]
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Hazardous Materials General			
Beamline Magnets Analysis Magnets			
Target Magnets Type Torus, solenoid			
Flow Rate standard			
Capacity standard			
uting Requirement List			
mount of Simulated Data Expected • PB			
mount of Raw Data Expected(TB)			

4 PB				
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Computing

Simulation Requirements(SPEC CINT 2000hrs) 140,000 hours

Production(Replay, Analysis, Cooking) Requirements (SPEC CINT 2000hrs)
60,000 hours

Other Requirements

Please add any additional information that will be useful for JLab's IT Division regarding unique configurations or that may require additional resources and/or coordination. Please indicate if possible what fraction of these resources will be provided by collaborating institutions and how much is expected to be provided by JLab.

JLab will provide MSS, disk space for data processing/cooking, disk space for DSTs. DSTs will be made available for offsite copying and analysis.

Assumed Resource Requirements Use this section to provide any information regarding the assumed requirements for the resources needed.

achments	 	

Privacy and Security Notice

contact helpdesk@jlab.org