

JSA Initiatives Fund Proposal Summary Sheet

Proposal title: <u>4'th Workshop on Exclusive Reactions at High Momentum Transfer</u>			
<input type="checkbox"/> New proposal	<input checked="" type="checkbox"/> Renewal	Total funds requested <u>\$5000</u>	Leveraged support / Matching resources <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If your proposal includes leveraged support or anticipates matching resources, identify source, amount, and secure the signature of an authorized representative of the source.			
Source/Amt <u>\$5000</u>		Authorized Signature: _____	
Source/Amt _____		Authorized Signature: _____	
Source/Amt _____		Authorized Signature: _____	

Principal Investigator (PI) <u>Paul Stoler</u>			
<input type="checkbox"/> JLab employee	Associate Director signature _____		
<input checked="" type="checkbox"/> JLab user	Name of university	<u>RPI</u>	
<input type="checkbox"/> Other	Name of institution	_____	
PI's Mailing Address	<u>Physics Dept.</u>		
	<u>Rensselaer Polytechnic Institute, Troy, NY 12180</u>		
PI's Telephone / E-Mail	<u>1(518)276-8388</u>		
Co-PI's (with affiliation)	<u>Anatoly Radyushkin, Old Dominion University</u>		

Executive summary including the projected begin/end dates. This is the 4'th workshop of a series. The subject focus on the physics of exclusive reactions at high momentum transfer. This subject comprises a large portion of the JLab current research program and increasingly that of the 12 GeV upgrade. The scientific organizing committee consists of Volker Burkert, Carl Carlson, Latifa Elouadrhiri, Mark Jones, Anatoly Radyushkin (co-chair), Paul Stoler(co-chair), Bogdan Wojtsekhowski.

Synopsis of scientific, educational, technical, and/or business merits, and alignment with and significance to Lab's current programs. This workshop plays an important role in gathering to JLab the people who are leading the development of the field, and helping to formulate the scientific program of the JLab upgrade. Also, the large number of graduate students and post-docs at JLab are encouraged to integrally participate.

Proposed evaluation plan to measure success. If this is a request for renewal of funds, assessment of prior year performance. As in the past, a hard-copy proceedings will be issued and made available to everyone in the field. Experience tells us that we can expect about 100 participants from all around the world.

Authorized signature for proposal from:	
JLab employee	Lab Director signature _____
JLab user	JLab Users Group Board Chair _____
Other	Institutional authorization _____

Office of SURA Chief of Strategic Services – Internal Use		
Proposal received:	Submitted for review:	Disposition:

Attachment A Technical Proposal – no more than 5 pages please. Up to 5 additional pages of letters of support, or other supporting materials may accompany proposal.

Attachment B Budget Proposal

**Request for JSA Support of the workshop entitled
“4th Workshop on Exclusive Reactions at High Momentum Transfer”**

We request JSA support for an international workshop entitled “4th Workshop on Exclusive Reactions at High Momentum Transfer”, which will be held at Jefferson Lab May 18-21, 2010. The Workshop Organizing Committee consists of :

Volker Burkert (JLab), Carl Carlson (W&M), Latifa Elouadrhiri(JLab), Mark Jones (JLab), Anatoly Radyushkin (ODU) , Paul Stoler (RPI), Bogdan Wojtsekhowski (JLab).

An administration committee consists of Ruth Bizot, Cynthia Lockwood and Marty Hightower.

The workshop has been endorsed by the DOE . The JLab physics leaders Larry Cardman and Tony Thomas, have indicated their support, and anticipate a contribution from JLab of \$5k for partial support

The workshop will focus on the application of a variety of exclusive reactions at high momentum transfer, utilizing unpolarized and polarized beams and targets, to obtain information about nucleon ground state and excited state structure at short distances. This is a subject which will play an important role during the upcoming pre-upgrade JLab program , and also is a vital part of the 12 GeV program. Below are some initial ideas about the subjects covered.

The workshop will run for about three and a half days. The tentative dates are Tues-Fri May 18-21, 2010. Only plenary sessions are planned. Abstracts will be solicited. We hope that anyone who wants to give a talk will be allowed to. We will have online abstract submission and copies of all talks will be available on the Workshop website. It is planned to publish a workshop Proceedings with Anatoly Radyushkin and Paul Stoler the editors.

- Generalized parton distributions (GPD).
- Deeply virtual Compton scattering (DVCS).
- Deeply virtual meson production (DVMP).
- Transverse structure of hadrons (TMD).
- Hadron form factors - elastic and transition.
- QCD - AdS, non-perturbative, pQCD, Dyson-Schwinger.
- QCD - Lattice
- Threshold meson production at high Q^2
- Higher energy phenomena.

The workshop will be held at Jefferson Lab. because it is the site where these reactions will be studied, and users often are present there. We expect about 100 attendees. However, we expect to have participants who are citizens of several countries such as Germany, Italy, France, Russia, China, Korea, Japan, Canada, Great Britain.

Below is an proposed budget anticipating a \$5k award from JSA. The line item for travel is \$10k, which would enable us to defray \$300 for about 40 people, especially young people who find it difficult to obtain necessary travel funds.

Workshop on Exclusive Reactions at High Momentum Transfer IV

"May 18-21, 2010"

Jefferson Lab

Workshop on Exclusive Reactions at High Momentum Transfer IV
 May 18-21, 2010
 Jefferson Lab

		Count	Fee		
	Registration, advance	60	225		
	Registration, late	-	275		
	Students, advance	15	125		
	Students, late	-	175		
	Waived	25	-		
	Total participants	100			
				Restricted	Unrestricted
					Total Budget
Revenue	Registration fees	15,375	-		15,375
	JLab contract funds	5,000	-		5,000
	JLab discretionary funds	-	-		-
	Surplus from 2007 Workshop	-	1,540		1,540
	SURA/JSA Initiative Fund	-	5,000		5,000
	Total Revenue	20,375	6,540		26,915
Expenditures	Continental breakfast & breaks	7,125	-		7,125
	Tuesday networking reception	2,500	1,000		3,500
	Materials and supplies	400	-		400
	Proceedings and publications	8,200	-		8,200
	Bank fees 2.50%	384			384
	Credit card fees 5.25%	807	-		807
	Travel and support	5,200	-		5,200
	Total Anticipated Expenditures	24,617	1,000		25,617
	Add: Unanticipated 5.00%	1,231	50		1,281

contingency

	Total Expenditures	25,847	1,050	26,897
Net Revenue (Expenditures)		-5,472	5,490	18

