

JSA Initiatives Fund Proposal Summary Sheet

Proposal title: <u>Spin Structure at Long Distance</u>			
<input checked="" type="checkbox"/> New proposal	<input type="checkbox"/> Renewal	Total funds requested <u>\$3500</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>JLab Seminar Fund / \$1000</u>	Authorized Signature: <u>Douglas Higinbotham (JLab)</u>	
Source/Amt	<u>UNH / \$500</u>	Authorized Signature: <u>Karl Slifer (UNH)</u>	
Source/Amt		Authorized Signature:	

Principal Investigator (PI) <u>K. Slifer</u>	
<input type="checkbox"/> JLab employee	Associate Director signature
<input checked="" type="checkbox"/> JLab user	Name of university <u>University of New Hampshire</u>
<input type="checkbox"/> Other	Name of institution
PI's Mailing Address	<u>DeMeritt Hall, 131 Main Street, Durham, N.H. 03824</u>
PI's Telephone / E-Mail	<u>757-871-6341 / <a href="mailto:slifer@jlab.org">slifer@jlab.org</a></u>
Co-PI's (with affiliation)	<u>J.P. Chen : Jefferson Lab.</u> <u>Alexandre Camsonne : Jefferson Lab</u>

Executive summary including the projected begin/end dates. The premier facility for the study of spin structure at long distance is Jefferson Lab with 6 GeV beam. The JLab spin structure program has to date provided many high impact results. We aim to attract new collaborators to this endeavor by organizing a 2-day workshop on January 8-9, 2009 at Jefferson Lab. We will gather the fields experts to discuss the most recent exciting results, and to garner support for the remaining 6 GeV experimental program. We anticipate participation from approximately 50 researchers.
Synopsis of scientific, educational, technical, and/or business merits, and alignment with and significance to Lab's current programs. Completion of the spin structure program at low $Q^2$ , which opportunity is lost after the 12 GeV upgrade. Significant impact on knowledge of the hyperfine structure of the proton, state of the art $\chi$ iPT calculations and tests of fundamental QCD sum rules.
Proposed evaluation plan to measure success. If this is a request for renewal of funds, assessment of prior year performance. The goal of this workshop will be to raise awareness of several recent experimental results that indicate shortcomings in existing state of the art $\chi$ iPT calculations, and to attract more collaborators to the low $Q^2$ spin structure program. Completion of these experiments, and increased theoretical interest will signify that the goals of this workshop are met.

Authorized signature for proposal from:	
JLab employee	Lab Director signature <u><i>Ronald Gilman</i></u>
JLab user	JLab Users Group Board Chair <u><i>Ronald Gilman</i></u>
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