

**FY2017 JSA Initiatives Fund Proposal Summary Sheet**

**Proposal title** Young Scientist Support for the 7th Workshop of the APS Topical Group on Hadron Physics (GHP)

New proposal

Renewal

**Total funds requested** 2500

**Total leveraged support / Matching funds \* See Note below.** 2500

**To be completed by JSA: Total funds awarded \$1,500**

Note: Identify in your budget proposal the source, type and amount of support from each institution.

**Principal Investigator (PI)** Leonard Gamberg

Institutional affiliation Penn State University Berks  
Mailing address Department of Physics, Luerssen Building  
PO Box 7009  
Email / phone # Reading, PA 19610  
lpg10@psu.edu/ 610-396-6124

Co-PI (if more than 1 add pages with information) Tanja Horn

Institutional affiliation Department of Physics,  
Mailing address The Catholic University of America,  
Washington, DC 20064  
Email / phone # hornt@cua.edu/ 202-319-4448

**Check one category:** If PI is a Lab employee, your identification of the appropriate Associate Director below represents the acknowledgement of that AD with your submittal of proposal. **No signature required.**

Lab employee If Lab employee, Associate director (email / phone)

Lab user If Lab user, University affiliation. Joint appointees, identify Lab division association. Penn State University Berks

Other If Other, Institutional affiliation

**Executive summary** including the projected begin/end dates. **Project Start Date** (mm/yy) 02/01/2017 **Project End date** (mm/yy) 02/03/2017  
Add additional pages if necessary.

Funds are requested to support the participation of young scientists/researchers in the 7th Workshop of the Topical Group on Hadron Physics (GHP) which will take place February 01-03, 2017 in Washington, DC. The workshop is immediately after the 2017 April APS meeting and will take place at the same venue. The supported scientists are intended to be graduate students and postdocs of the Jefferson Lab community.

**Jefferson Science Associates, LLC**  
Managing and Operating the Thomas Jefferson National Accelerator Facility  
for the U.S. Department of Energy

**Proposal title** Young Scientist Support for the 7th Workshop of the APS Topical Group on Hadron Physics (GHP)

**Principal Investigator (PI)** Leonard Gamberg

**Synopsis** of scientific, educational, technical, and/or business merits, and alignment with and significance to Lab's current program. Add additional pages if necessary.

The GHP workshop provides an excellent opportunity for nuclear and particle physicist to meet, collaborate and disseminate their work in hadron physics. It is an essential goal of the workshop to provide an opportunity for young research scientists to present their work, and it is an advantage to have the workshop combined with the April APS meeting. In particular, the costs are minimal for students who are going to the APS meeting. The GHP meeting also provides an opportunity for students who have given talks at the APS meeting to present their work to a possibly larger, topic specific audience.

The biennial workshop is organized by the GHP Executive Committee, where the PI is a member-at-large, and the co-PI is the Vice Chair of the GHP. This coming year the full organizing committee is: Tanja Horn (Catholic University/JLAB, Co-Chair of Program Committee, Vice-Chair of the GHP), Paul Reimer (Argonne National Lab, Co-Chair of Program Committee, Chair Elect of the GHP), Raju Venugopalan (Brookhaven National Lab-Chair of the GHP), Ramona Vogt (Lawrence Livermore Natl Lab/UC Davis, Secretary/Treasurer of the GHP), Peter Petreczky (Brookhaven Natl Lab, Past Chair of the GHP), Huey-Wen Lin (Michigan State University), Susan Schadmand (Forschungszentrum Juelich), Sean Fleming (University of Arizona), Ian Cloet (Argonne Natinal Lab, Member at Large GHP), Leonard Gamberg (Penn State U, Member at Large GHP).

The physics topics of the workshop covers many important aspects relevant to the GHP community, current and future laboratory programs. Among other topics they are: AdS/QFT, Exotic Hadrons, Future Facilities (EIC), Lattice QCD, Light and Heavy Quarks, the "3-D" Structure of the Nucleon, Nucleon Spin Physics, Physics of the Quark Gluon Plasma, Physics of Gluon Saturation, Generalized Parton Distributions and Form Factors. The previous workshop, held in 2015 attracted 100 participants with 72 talks; many of these presentations were from young scientists. We place a high priority to attract as many possible young scientist to the 2017 meeting and seek the support of the Jefferson Science Associates to help us reach this goal.

**Proposed evaluation plan** to measure success. If this is a request for renewal of funds, assessment of prior year performance. Add additional pages if necessary.

The constrained research travel budgets of many US groups have caused limited travel opportunities for young scientists. The measure of success will be the increased attendance of young scientists at the the 2017 GHP meeting and dissemination of their results.

Your proposal may include letters of endorsement and other supporting information. A maximum of 10 additional pages may be appended to this proposal form.

## Budget Proposal

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**Principal Investigator (PI)** Leonard Gamberg

**Total funds requested** 2500

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	Item Description		Amount
<p><b>Equipment.</b> Lab users submitting proposals that include equipment to be used at the Lab must review with the appropriate Lab Associate Director. The provision of the name of the AD below represents the AD's acknowledgement. <b>No signature required.</b></p>			
	Associate Director: _____		
	_____		
	_____		
	_____		
		Subtotal Equipment	0
<p><b>Travel Support.</b> Provide break-out of estimates for registration fees, lodging and transportation, catering, and facility charges (room rentals, AV equipment; etc.)</p>			
	Transportation and lodging support for 8-10 young reseachers: postdocs and graduate students.	2500	
	_____		
	_____		
	_____		
		Subtotal Travel	0
<p><b>Supplies</b></p>			
	_____		
	_____		
	_____		
		Subtotal Supplies	0
<p><b>Consultants/Subcontracts</b></p>			
	_____		
	_____		
	_____		
		Subtotal Consultants/Subcontracts	0
<p><b>Other Expenses.</b> Examples include stipends and honoraria, prizes, awards. The JSA Initiatives Fund Program does not support salaries and salary-related expenses, or indirect expenses. Describe other expenses below.</p>			
	_____		
	_____		
	_____		
		Subtotal Other Expenses	0
		<b>Total Budget Proposal</b>	<b>2500</b>

Budget Justification and Leveraged Support/Matching Funds information. Identify the source, type and amount of support from each institution. For in-kind support, provide estimate of value. Your identification of the authorized representative who has committed institutional support for your proposal represents the acknowledgement of that individual. If support or funds are provided by the Lab, identify the associate director (or equivalent) as the authorized representative. Add additional pages if necessary.

We have received matching funds of \$2500, source: Thomas Jefferson National Lab, Lab Deputy Director for Science, Robert McKeown, bmck@jlab.org. See attached documentation.

Based on our prior experience, funding at the level of \$500/person assists participants in that advisors / employers of the young scientists were able to cover the remaining expenses.

**Subject:** Re: JSA Initiatives Fund Program – FY2017, Proposal Submission  
**From:** Leonard Gamberg <lpg10@psu.edu>  
**Date:** 8/12/16 4:30 PM  
**To:** Bob McKeown <bmck@jlab.org>, Tanja Horn <hornt@jlab.org>, "Horn, Tanja" <HORNT@cua.edu>, Pat Stroop <Stroop@jlab.org>, Leonard Gamberg <lpg10@psu.edu>

Yes, Bob.

In my rush to get this to you, I failed to spell that out.

Thanks very much!

Best, Leonard

On 8/12/16 4:28 PM, Bob McKeown wrote:

Leonard,

I assume you would be requesting \$2500 from JLab and \$2500 from JSA? If so then we can agree to that.

Best regards,

Bob

On 8/12/2016 3:54 PM, Leonard Gamberg wrote:

Dear Bob,

Tanja Horn and myself, have submitted a proposal to JSA entitled, [Young Scientist Support for the 7th Workshop of the APS Topical Group on Hadron Physics \(GHP\)](#)

We received feedback from a preliminary review with the opportunity to submit a revised proposal by next Tuesday, Aug. 16th (the feedback is in an email below from Elizabeth Lawson). In particular they raised the following point:

1. Proposal does not address the following requirement: "For scientific meeting support, proposers should discuss availability of matching funds with the Lab Deputy Director for Science (Robert McKeown, [bmck@jlab.org](mailto:bmck@jlab.org)) prior to proposal submission."

In order to address this point we are writing to you to inquire if there might be some possible matching funds to support young researchers to come to the 7th Workshop of the Topical Group on

Hadron Physics (GHP) and give talks.

Here is the pertinent information from the proposal (I have attached the proposal to this email):

We are requesting support for the participation of young scientists/researchers in the 7th Workshop of the Topical Group on Hadron Physics (GHP) which will take place February 01–03, 2017 in Washington, DC. The workshop is immediately after the 2017 April APS meeting and will take place at the same venue. The supported scientists are intended to be graduate students and postdocs of the Jefferson Lab community.

We are requesting \$5000 to support 8 to 10 young researchers, Post Docs and graduate students to come and give talks.

As you know, the GHP workshop provides an excellent opportunity for nuclear and particle physicist to meet, collaborate and disseminate their work in hadron physics. It is an essential goal of the workshop to provide an opportunity for young research scientists to present their work, and it is an advantage to have the workshop combined with the April APS meeting. In particular, the costs are minimal for students who are going to the APS meeting. The GHP meeting also provides an opportunity for students who have given talks at the APS meeting to present their work to a possibly larger, topic specific audience.

The biennial workshop is organized by the GHP Executive Committee, where the PI is a member-at-large, and the co-PI is the Vice Chair of the GHP.

This coming year the full organizing committee is: Tanja Horn (Catholic University/JLAB, Co-Chair of Program Committee, Vice-Chair of the GHP), Paul Reimer (Argonne National Lab, Co-Chair of Program Committee, Chair Elect of the GHP), Raju Venugopalan (Brookhaven National Lab-Chair of the GHP), Ramona Vogt (Lawrence Livermore Natl Lab/UC Davis, Secretary/Treasurer of the GHP), Peter Petreczky (Brookhaven Natl Lab, Past Chair of the GHP), Huey-Wen Lin (Michigan State University), Susan Schadmand (Forschungszentrum Juelich), Sean Fleming (University of Arizona), Ian Cloet (Argonne National Lab, Member at Large GHP), Leonard Gamberg (Penn State U, Member at Large GHP).

Again, since we must have our proposal back in by next Tuesday we are hopeful you might be able to reply to us quickly.

Thanks in advance for your consideration.

Sincerely, Leonard (on behalf of Tanja)

On 8/12/16 2:24 PM, Elizabeth Lawson wrote:

Dear Leonard and Tanja:

Prior to forwarding IF proposals for evaluation, we are conducting a cursory review to provide proposers the opportunity to submit revised proposals to correct minor deficiencies. Note that this is not a thorough review and the completeness, accuracy, and quality of your proposal is your responsibility.

The preliminary review of your workshop proposal has been conducted. Please submit a revised proposal by August 16 to address the following:

1. Proposal does not address the following requirement: "For scientific meeting support, proposers should discuss availability of matching funds with the Lab Deputy Director for Science (Robert McKeown, [bmck@jlab.org](mailto:bmck@jlab.org)) prior to proposal submission."

2. This workshop was supported by the JSA Initiatives Fund in 2015, so should be marked "Renewal."

Regards,

--Elizabeth

Elizabeth L. Lawson  
Chief Governance Officer and Corporate Secretary  
Principal JSA/JLab Liaison  
Southeastern Universities Research Association (SURA)  
Board Liaison and Secretary  
Jefferson Science Associates, LLC (JSA)  
1201 New York Avenue, NW; Suite 430  
Washington, DC 20005  
Office: 202.408.7872 Ext. 410  
Direct: 202.408.2410  
Mobile: 703.625.8750  
[elawson@sura.org](mailto:elawson@sura.org)

On 8/8/16 3:47 PM, Leonard Gamberg wrote:

Dear Elizabeth Lawson and JSA Initiative Fund Program Committee,

Please find attached a proposal submitted by myself, and Professor Tanja Horn of Catholic University and Jefferson Lab.

The title of the proposal is,  
"Young Scientist Support for the 7th Workshop of the APS Topical Group on Hadron Physics (GHP)"

I have attached both a writable and static .pdf copy of the proposal.

If you need any further information concerning our submission, please don't hesitate to contact us.

Sincerely, Leonard Gamberg and Tanja Horn

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Leonard Gamberg, Ph.D  
Professor

<http://www.bk.psu.edu/FacultyStaff/lGamberg.htm>

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Friday Spring 2016 Semester  
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Leonard Gamberg, Ph.D  
Professor

<http://www.bk.psu.edu/FacultyStaff/lGamberg.htm>

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