



# HPS EC Report

S. Stepanyan (JLAB)

HPS Collaboration meeting

JLAB, May 29-31, 2019

# HPS Executive Committee

- **Members:** Nathan Baltzell, Raphael Dupre, Matt Graham, Maurik Holtrop, John Jaros, Marzio de Napoli, Tim Nelson, Stepan Stepanyan
- **Website on confluence with Meeting Summaries**

<https://confluence.slac.stanford.edu/display/hpsg/HPS+Executive+Committee>

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Heavy Photon Search Group / Heavy Photon Search Experiment / Collaboration

## HPS Executive Committee

Created by john a. jaros, last modified by Sepan Stepanyan on Jul 30, 2018

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Present Committee membership: Spokespeople plus Nathan Baltzell, Matt Graham, John Jaros, Marzio de Napoli, and Raphael Dupre. Stepan Stepanyan as chair.

The role of the executive committee is outlined in the bylaws(pdf). Minutes of EC Meetings are summarized in the meeting list below.

The EC formally approves thesis topic proposals in accord with [HPS Thesis Policy 2.pdf](#). Approved and suggested topics are listed in [HPS Thesis Topics.ppt](#).

The EC has established a policy for shift taking, given here: [HPS Shift Policy 3.0.pdf](#).

The EC has reviewed and collected procedures for blinding, analyzing, presenting, and publishing HPS physics results. They include rules for presenting HPS results in theses. They are here: [Procedures for Presenting and Publishing Physics Results in HPS \(003\).DOCX](#)

The HPS Executive Committee originally consisted of F-X Girod, M. Graham, T. Maruyama, T. Nelson, and the three HPS spokespeople, M. Holtrop, S. Stepanyan, and J. Jaros (Chair). Regular members were first elected early in February 2012. Girod and Maruyama were elected to 2 year terms; Graham and Nelson to one year terms. An election for new members was conducted at the June Collaboration meeting, 2013. In this election T. Nelson was re-elected, and R. Dupré was elected. At the June Collaboration meeting of 2014, F-X Girod and Takashi Maruyama were re-elected for another 2 year term. At the July Collaboration meeting of 2015 in Orsay, Tim Nelson and Raphael Dupre were re-elected for another 2 year term.

At the April Collaboration meeting in 2016 at SLAC, Nathan Baltzell and Matt Graham were elected, replacing F-X Girod and Takashi Maruyama.

At the May 2018 Collaboration meeting at JLAB, John Jaros stepped down as a co-spokesperson and EC chair. Tim Nelson became a co-spokesperson of HPS together with Maurik Holtrop and Stepan Stepanyan. Collaboration re-elected Raphael Dupre and elected a new member, Marzio de Napoli, to EC.

Related:



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# Since the last collaboration meeting

Seven meetings, minutes are on the confluence page

- Followed closely progress of upgrades: SVT and trigger/hodoscope – bi-weekly reports during the first 3 months, gave a formal approval of replacing L1 with L0 sensor
- Prepared for DOE review in January
- Discussed the setup, installation, and run plans
- Prepared HPS membership list (63 active members) and discussed shift distribution
- Followed progress in 2016 data processing
- Also heard updates from software (simulation and recon)
- Formally approved posting of ICHEP proceeding paper on arXiv
- and of course organization of the collaboration meeting



# DOE+SLAC review, January 18

- Review committee: A. Selden (SLAC), R. Lipton (UCSC), E. Smith (JLAB), J. Klein (UPenn), G. Heyes (JLAB), L. Buckley-Geer (FNAL) and M. Shapiro (LBL)
- Total of 8 presentations from HPS: Stepan, Tim, Rafo, Ryan, Sergey, Nathan, and Maurik.
- Overall successful review, number of recommendations most of which are closed, few still remain:
  - Event Builder / DAQ. Need commitments from the SLAC experts to complete their work and be available through the run in case of problems.
  - Beef up analysis after data collection to ensure speedy publications
  - Consider ways of calibrating backgrounds using data. Are there systematic measurements that can be done to help assess backgrounds experimentally?
- After the review we sent an outline of HPS-wide effort and needed support for FY20 and FY21 to DOE-HEP (thanks to Tim)

# Shifts (from Bryan)

- A starting date of the 13th June
- Have to have a number of days divisible by 5 so I took 70
- 84 counting house shift blocks + 60 (subsystem + RC, each for 10 weeks)
- Total is therefore 144 blocks
- 63 HPS Members means the expectation would be 2.3 per person

Institution	Total	Experts	Fraction Blocks/ Fraction Shift Takers
CUA	1	1	0.875
GLASGOW	2	2	1.09375
INFN Catania	3	2	1.020833
INFN Genova	4	3	0.984375
INFN Padova	1	0	0.875
INFN Sassari	3	0	1.020833
INFN Torino	1	0	0.875
INFN U.Rome	1	1	0.875
JLAB	15	9	1.05
ODU	1	1	1.3125
ORSAY	5	5	0.9625
SLAC	13	8	0.942308
SBU	1	0	0.875
TAU	1	0	0.875
UCSC	3	1	1.020833
UNH	4	3	1.09375
WM	1	1	0.875
YEREVAN	3	1	1.020833
	63	38	

Most shifts are assigned, not complete yet (including experts on-call shifts), see Valery's presentation

# New members

- Tontong Cao – postdoc at UNH will be stationed at JLAB, membership request from Maurik was unanimously approved by EC (*Bylaws – “...On approval by the EC, the student or postdoc will be a member of the collaboration...”*).
- Membership application from Dominique Marchand, staff scientist in Orsay, elections today (*some of collaborators already voted via email*)

**Dominique Marchand**

April 19, 2019 at 9:52 AM

HPS collaboration membership request

[Details](#)

DM

To: Stepan Stepanyan, Maurik Holtrop, Nelson, Timothy Knight, Cc: Raphael Dupre

Dear Maurik, Stepan and Timothy,

Hereby, I would like to express my willingness to join the HPS collaboration and to serve it contributing, on the short term, to the HPS calorimeter calibration and to sign for some shifts during the next 2019 HPS data taking period.

For your information, I am a staff experimental physicist of the "Institut de Physique Nucléaire d'Orsay" involved in the hadronic physics group since 2000. Except from 2006 to 2016, I've always been involved in JLab experimental physics program (VCS experiment in Hall A [1998-2000], G0 in Hall C [1999-2006] and (n)DVCS in Hall B/CLAS12 [2017- ]) and also contributed to JLab/Hall A common apparatus during my PhD thesis (CEA-Saclay/Irfu/DPhN 1994-1998) which subject was the development of the ARC energy measurement for Hall A. To ease my personal everyday life, from 2006 to 2016, within the PANDA at FAIR collaboration, I've been working on feasibility studies to determine Time-Like proton electromagnetic form factors and I've been contributing to the R&D studies lead at IPN Orsay dedicated to the design of the barrel part of the PANDA electromagnetic calorimeter made of tenth thousands PbWO4 crystals to cooled to increase the light yield.

I thank you very much in advance to consider my membership application request during the upcoming HPS collaboration meeting and please let me know if you would need more details regarding my scientific contributions.

I look forward to collaborating with you in the HPS experiment.

Sincerely,

Dominique Marchand ([domi@jlab.org](mailto:domi@jlab.org)).



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# EC elections

- Our Bylaws – *“3. The elected members of the Executive Committee shall be elected for terms of two years, with no limitation on succession. For the first EC, two members will be elected for one year, and two for two years, so that in subsequent years the terms are staggered. In the case that a spokesperson of the experiment is no longer a part of the experiment, their position on the EC will become an elected position.”*
- We missed the deadline for organizing the election of EC membership to replace the two members who served their two year term, Nathan and Matt.
- Our Bylaws - *“3. Nominations will be solicited by the EC from the Collaboration for at least two weeks. After verifying that the nominated individuals agree to stand for election, the EC will then present the list of candidates for each position for the election to the Collaboration no later than two weeks before the election.”*

The proposal is to proceed with the election of two new members (or re-election) via email. We will start the process now, have two weeks for nominations, then present the list of nominees to the collaboration and call for votes after two weeks.



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# Next Collaboration meeting

## Fall 2019, SLAC or JLAB again?

- Fall is much nicer in NN
- JLAB is not crowded
- May-June (and always) is nice in P.A.

Will decide after the run.