

Publications & Presentations Committee (PPC)

Norman Graf (SLAC)
HPS Collaboration Meeting
June 25, 2021

PPC Membership

- Gabriel Charles (gabriel.charles@ijclab.in2p3.fr)
- Mathew Graham* (mgraham@slac.stanford.edu)
- Rouven Essig (rouven.essig@stonybrook.edu)
- Norman Graf (Chair)
(Norman.Graf@slac.stanford.edu)
- Alessandra Filippi* (filippi@to.infn.it)

- * new members

PPC Responsibilities

- Get talks and publicize speaking opportunities
- Maintain talk and conference publication data-base
- Get speakers and allocate speaking opportunities
- Review and approve
 - Abstracts
 - Talk slides
 - Conference proceedings
 - Instrumentation papers
- Manage the paper writing process for results papers
- Maintain a page of “officially-approved” plots

Recent HPS Talks

Conference	Speaker	Title
<u>A Rainbow of Dark Sectors</u> Aspen Center of Physics	L. Tompkins	<u>Dark Matter in Electron Beams</u>
<u>Initiative for Dark Matter in Europe and Beyond</u> (iDMEU&B)	T. Nelson	<u>Dark Matter Searches at Extracted Beamlines</u>
<u>WE-Heraus Seminar Bad Honnef</u>	M. Holtrop	The Heavy Photon Search Experiment at JLAB

Upcoming HPS Talks

Conference	Speaker	Title
<u>16th Marcel Grossman meeting</u>	A. D'Angelo	HPS physics and results (provisional)

Upcoming HPS Talks

■ Assigned

Conference	Speaker	Title
<u>16th Marcel Grossman meeting</u>	A. D'Angelo	HPS physics and results (provisional)

■ Abstract Submitted

Conference	Speaker	Title
<u>DPF 2021</u>	M. Solt	HPS 2016 Displaced Vertex Analysis (provisional)
<u>DPF 2021</u>	A. Spellman	HPS 2019 Data Run (provisional)

■ [Upcoming Opportunities](#)

Publications

- One publication was recently identified and linked to the PPC page:

HPS slim sensors performance NIM ("Design and performance of silicon strip sensors with slim edges for HPS experiment", [V. Fadeyev et al., NIM A969 2020\), 163991\)](#))

- Please keep us informed of any HPS-related publications so we can track their progress!

Approved Plots

- As part of its mandate, the Publications and Presentations Committee maintains a collection of “officially approved plots.”
- As those of you preparing presentations know, this archive is very poorly populated.
- Would like to encourage developers, analysts and subject matter experts to contribute “canonical” plots illustrating HPS’ performance capabilities.
- Vector format is preferred over raster/bitmap

Provenance

- Although “a picture is worth a thousand words” we would like to stress that just having a plot, or picture, or other type of image is a minimal request.
- We need as much provenance as possible to document not only what the plot/image represents, but how it was obtained.
- Best would be to separate content from presentation and provide both the data being represented in the plot/image and the script(s) which can be used to generate the plot/image.

Presentation

- We do not, as yet, have a formal “HPS Style”
 - We invite suggestions to be considered but recognize that there are often external constraints which dictate presentation styles
 - e.g. Journal or Periodical limitations.
 - We also have multiple end-use cases which could require different styles:
 - landscape orientation for slide presentation vs portrait for publication
 - use of color to differentiate different data vs use of dotted/dashed line styles
 - Instead of trying to anticipate all possible cases, would like to enable generation of the plot itself₁₀
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Process

- For histogram/tuple-derived performance plots (e.g. energy / momentum resolution) we would like to request:
 - the raw data in root format
 - a root (.C) macro that plots the content and performs any fits, etc. to the data
- For other plots, such as reach / exclusion plots, as much of the production process as possible.

Preservation

- Having such a repository is intended as a convenience to the collaboration and is supposed to provide a “one-stop shopping” location for canonical performance plots.
- It is expected that a full description of all the plots, etc. will be provided in an analysis note or other such documentation.

<https://github.com/JeffersonLab/HPS-NOTES>

- Contributions welcomed!

Approved Plots

- Recent additions from C. Bravo
- [reach_2019.pdf](#)
- [reach_2019plus2021.pdf](#)
- [reach_full_lumi.pdf](#)

Process Reminder

Contributed or invited talks:

- Abstract submitted to PPC for approval 2 weeks before deadline
- Slides submitted to PPC for approval 2 weeks before talk – **PPC will circulate to the collaboration and collect comments**
- Final slides submitted to PPC for posting on the PPC website
- Conference proceedings submitted to PPC for approval 2 weeks before deadline – **PPC will circulate to the collaboration and collect comments**
- The number of conferences with HPS contribution in the near future may continue to be limited due to COVID medical status. However, the SAME rules apply for remote conferences.

Seminars or colloquia:

- No approval needed
- Final slides submitted to PPC for posting

Questions?

PPC Confluence Page