

- Started with 27 documents effectively containing 30 proposals  
(Too many talks to squeeze into a 2 day meeting. And funding requests exceeded disburseable funds by a factor of x3.6 .)
- Removed 5 proposals from the running in an arduous 1<sup>st</sup>-cuts procedure  
(Some of these will be invited to resubmit next year after tweaks. This left us with “only” 25 presentations for our 2 day meeting, while remaining funding requests exceeding disburseable funds by “only” a factor of x2.9 .)
- There were 8 topical areas this year  
(We were not necessarily planning to fund one proposal in each category, but as general guidance this helps achieve a balanced program.)
- In practice, with only moderate bias against the most expensive proposals, were able to at least partially fund 60% of proposals.  
(Sure surprised the heck out of me. There are good reasons to not spread the peanut butter too thin, such as Procurement and yours truly getting buried in writing contracts. But the committee in its wisdom chose to get more R&D efforts started, even if meant the progress on any one would be slower.  
Note: The majority of the proposals that didn’t get funded will be invited to resubmit next year after tweaks; many of these are very promising proposals. )

EICGENR&D Proposal Number (1 thru 27)	Title	PI(s)	Institution(s) (abbreviated and only includes PI's)
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**Calorimetry:**

1	CSGlass for hadron calorimetry at the EIC	T. Horn	Catholic University of America, Washington, DC, USA
19	EIC KLM R&D Proposal	A. Vossen, M. Arratia, W.W. Jacobs	Duke U., Durham, North Carolina, USA, UC Riverside, IU Bloomington
25	Imaging Calorimetry for the Electron- Ion Collider	M. Zurek, and Z. Papandreou	ANL, and U. Regina, Regina, Saskatchewan, Canada

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**PID (non-TOF):**

2	<b>A proposal for MPGD-based transition radiation detector/tracker</b>	Y. Furletova, J. Velkovska	Jlab, and Vanderbilt U., USA
12	<b>Development of a Novel Readout Concept for an EIC DIRC</b>	G. Kalicy, J. Schwiening	Catholic University of America, Washington, DC, USA
14	<b>Tracking and PID with a GridPIX Detector</b>	T. Hemmick, (P. Garg, contact person)	Department of Physics and Astronomy, Stony Brook University, USA

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**Gaseous Precision Timing  
and/or Tracking:**

23	Development of Thin Gap MPGDs for EIC Trackers	K. Gnanvo	Jlab
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**Front End Electronics:**

5	<b>Continued Development and Evaluation of a Low-Power High-Density High Timing Precision Readout ASIC for AC-LGADs (HPSoC)</b>	B. Schumm, L. Macchiarulo	UCSC, and Nalu Scientific LLC
6	<b>A new radiation tolerant low power Phase-Locked Loop IP block in a 65 nm technology for precision clocking in the EIC frontend electronics</b>	D. Neyret, W. van Noije	IRFU, CEA Saclay, France, and Instituto de Física da U. de São Paulo (USP), São Paulo, Brasil

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### Silicon Detectors

24	<b>Simplified LGAD structure with fine pixelation</b>	G. Giacomini	BNL, Upton, NY, USA
26	<b>Silicon Tracking and Vertexing Consortium, Section 1: Embedded Monolithic Active Pixel Sensor R&amp;D</b>	Nicole Apadula, Giacomo Contin, Nicolas Schmidt	LBNL, Trieste/INFN, ORNL
26	<b>Silicon Tracking and Vertexing Consortium, Section 2: Aluminum Flexible Circuit Manufacturing Capability</b>	Yuan Mei	LBNL

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**Software Supporting  
Electronics/Detector Design or  
Physics Program:**

7	<b>Refined Methods for Transfer Matrix Reconstruction Using Beamline Silicon Detectors for Exclusive Processes at the EIC</b>	A. Jentsch, M. Murray	BNL, Upton, NY, USA, and U. of Kansas, Lawrence, KS, USA
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**Other New Detectors:**

18	Superconducting Nanowire Detectors for the EIC	W. Armstrong	ANL
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**Studies to Support or Expand  
the Physics Program:**

15	<b>Particle identification and tracking in real time using Machine Learning on FPGA</b>	S. Furletov D. Romanov	Jlab, Newport News, VA, USA
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It takes a village. I'd like to thank the committee members, all those who offered advice over the last few months, and especially our administrative staff Sadie Cherry and Stephanie Tysor and Susan Brown.

There are still reports to write and contracts to get out. In this job, even when you've thrown the ring into Mount Doom, it gets stuck on a ledge and you have to go down and hopefully give it one last kick or three.

