



Close-out and next steps

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SVT Working Meeting

LBNL – October 8–9, 2026

This material is based upon work supported by the U.S. Department of Energy, Office of Science, Office of Nuclear Physics under Contract No. DE-AC02-05CH11231.



Thank you

1

Barbara, Michele and Zhenyu — for organizing this meeting
and the whole local team, for making it work so well

2

Everyone, in the room and remote — for informative presentations, open exchange
and good discussions

Please upload your slides to Indico if you have not yet done so; reach out in case of any issues

3

Group photo — now, before the tour of the carbon composite facility

Our goals, revisited

1

Open information exchange on SVT

Status, plans, and challenges from sensors and ASICs through layers, disks and integration to readout and system tests

2

Institutions new to SVT

Capabilities, people and interests — and where there are ‘win-win’ opportunities to integrate within SVT

3

Advance deliverables, owners and dates

Action items to follow; input to the SVT institutional board, the project and the collaboration

Outcomes

- 1 Increased common understanding of terminology, design, timelines and timescales
- 2 Actionable interest from new groups in WP2, WP3, WP3/WP4, WP5 and WP9
- 3 Action items with owners and date indications

The work-package structure stays

New groups join within it
Who does what within it will evolve – new groups add capacity and some roles will shift.

Some of what I heard

- Increased common understanding of terminology, design, timelines and timescales
- Concerns over the CERN–DOE agreement and its impact on EIC-LAS

Actionable interest, by SVT work package

WP2 Sensor testing

- Wafer probing
- Characterization
- Joint test-beam efforts

WP3 Electrical interfaces

- Low-mass FPC production

WP4 Layers and disks

- Module construction
- QA/QC

WP5 Readout and powering

- Chain tests
- Streaming readout

WP9 Software and simulation

- Alignment, incl. near-real-time
- Sensor response

Action items

#	Action	WP	SVT Owner (proposed)
1	Connect interested groups with WP2 on wafer probing and characterization	2	I. A. Cali, L. Tomasek + new groups
2	Finalize ER2 wafer distribution and babyMOSAIX setups	2	I. A. Cali, L. Tomasek, Z. Ye
3	Joint test-beam plan, including new groups	2	Z. Ye + new groups
4	Module construction and QA/QC: identify roles and sites for new groups	3, 4	N. Apadula, Z. Ye, E. Sichtermann + new groups
5	Chain tests and streaming readout: define contributions	5	J. Schambach, J. Glover + new groups
6	Alignment (incl. near-real-time) and sensor response in simulation	9	S. Li + interested groups
7	CERN–DOE agreement and EIC-LAS: status update to the collaboration	1	E. Sichtermann, R. Turrisi, G. Viehhauser

- Initial follow-up in November, 2026.

Some of what I did not hear

WP2 sensor characterization

Wafer probing for ancillary ASIC (8", ~10 wafers)

WP4 Layers and Disks

L4 design completion and construction
(L3 design completion and construction likely solvable)

WP8 Database

Interfacing of WP2 database and ePIC starting database effort

Join SVT, join ePIC

Work package	Leads	Indico
WP1 Sensor design	I. Sedgwick (RAL), J. de Melo (BNL)	category/540
WP2 Sensor testing	I. A. Cali (MIT), L. Tomasek (CTU)	category/547
WP3 Electrical interfaces	Z. Ye (LBNL); opening	category/548
WP4 Layers and disks	D. Elia (INFN), G. Viehhauser (Oxford), N. Apadula (LBNL)	—
WP5 Readout and powering	J. Glover (Birmingham), J. Schambach (ORNL)	category/609
WP6 Global mechanics and integration	A. Jung (Purdue), B. Denos (Purdue)	category/596
WP7 Interlocks, slow control, monitoring	with the DAQ working group	—
WP8 Database	collaboration	—
WP9 Software and simulation	S. Li (LBNL); opening	—

Detector subsystem collaboration: E. Sichtermann (LBNL, subsystem lead); R. Turrisi (INFN) and G. Viehhauser (Oxford), co-technical coordinators; V. Bhopatkar (JLab), project control account manager. About twenty institutions — and growing.

How to join

SVT mailing list:

lists.bnl.gov/sympa/info/epic-svt-l

SVT Indico: indico.bnl.gov/category/496

Contact: E. Sichtermann, R. Turrisi, G. Viehhauser — or any work-package lead

ePIC membership: J. Lajoie, S. Dalla Torre

Thank you again

Enjoy the tour of the carbon composites shop — and safe travels