

BRN Study on HEP Detector Research and Development (R&D)

Hilton Rockville
December 11-14, 2019

Plenary Opening Session --- Wednesday, December 11, 2019 (Plenary Summaries from WGs – Include draft versions of text for PRDs and Key Challenges) Chairs: Bonnie Fleming (Yale) and Ian Shipsey (Oxford) Eisenhower Room		
7:30 am – 8:30 am	Registration and Continental Breakfast	Presidential Foyer Area
8:30 am – 9:10 am	US Department of Energy	Helmut Marsiske
9:10 am – 9:40 am	Higgs and other Energy	Jim Hirschauer, Fermilab Gabiella Sciolla, Brandeis
9:40 am – 10:10 am	Neutrinos	Kate Scholberg, Duke Ornella Palamara, Fermilab
10:10 am – 10:40 am	Dark Matter	Jodi Cooley, SMU Dan McKinsey, UC-Berkeley/LBNL
10:40 am – 11:00 am	BREAK	
11:00 am – 11:30 am	Dark Energy and Inflation	Brenna Flaugher, Fermilab Clarence Chang, ANL
11:30 am – 12:00 noon	Explore the Unknown	Sarah Demers, Yale Monica Pepe Altarelli, CERN
12:00 pm – 1:00 pm	Working Lunch	Presidential Foyer Area
1:00 pm – 1:30 pm	Quantum Sensors	Kent Irwin, Stanford Andy Geraci, Northwestern
1:30 pm – 2:00 pm	Noble Liquids	Jocelyn Monroe, Royal Holloway Roxanne Guenette, Harvard
2:00 pm – 2:30 pm	Calorimetry	Roger Rusack, Minnesota Francesco Lanni, BNL
2:30 pm – 3:00 pm	Solid State and Tracking	Carl Haber, LBNL Marina Artusco, Syracuse
3:00 pm – 3:30 pm	BREAK	
3:30 pm – 4:00 pm	Photodetectors	Lindley Winslow, MIT Peter Krizan, Institute Jozef Stefan
4:00 pm – 4:30 pm	TDAQ	Darin Acosta, Florida Tulika Bose, Wisconsin
4:30 pm – 5:00 pm	Readout and ASIC	Gabiella Carini, BNL Mitch Newcomer, Pennsylvania
5:00 pm – 5:30 pm	Cross Cutting	
5:30 pm – 6:30 pm	BREAK for Dinner	Dinner on Own (see restaurant listing in handout)
6:30 pm – 8:00 pm	Discuss cross cutting issues, PRDs, Key Challenges (Conveners Only)	Eisenhower Room

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Workshop Breakout Sessions

Thursday, December 12, 2019

8:00 am – 9:00 am	Continental Breakfast	Presidential Foyer Area
9:00 am – 12:00 noon	Parallel Working Sessions Between Groups	See breakout session handout for room assignments
12:00 noon – 2:00 pm	Working lunch to discuss Key Challenges across groups Moderator: Cross Cutting Group	Eisenhower Room
2:00 pm – 5:00 pm	Parallel Working Sessions Continue	
5:00 pm – 6:00 pm	Wrap up Key Challenges across groups Moderator: Cross Cutting Group	Eisenhower Room
6:00 pm – 7:00 pm	Dinner	Dinner on Own (see restaurant listing in handout)
7:00 pm – 10:00 pm	breakout rooms available if you would like to meet ad-hoc	

Friday, December 13, 2019

8:00 am – 9:00 am	Continental Breakfast	Presidential Foyer Area
9:00 am – 12:00 noon	Parallel Working Sessions Between Groups (writing slides and text)	
12:00 noon – 1:00 pm	Working Lunch	Presidential Foyer Area
	Plenary Closing Session	Eisenhower Room
1:00 pm – 1:20 pm	Higgs and other Energy	Jim Hirschauer, Fermilab Gabiella Sciolla, Brandeis
1:20 pm – 1:40 pm	Neutrinos	Kate Scholberg, Duke Ornella Palamara, Fermilab
1:40 pm – 2:00 pm	Dark Matter	Jodi Cooley, SMU Dan McKinsey, UC-Berkeley/LBNL
2:00 pm – 2:20 pm	Dark Energy and Inflation	Brenna Flaughner, Fermilab Clarence Chang, ANL

2:20 pm – 2:40 pm	Explore the Unknown	Sarah Demers, Yale Monica Pepe Altarelli, CERN
2:40 pm – 3:00 pm	BREAK	Kent Irwin, Stanford Andy Geraci, Northwestern
3:00 pm – 3:20 pm	Quantum Sensors	Kent Irwin, Stanford Andy Geraci, Northwestern
3:20 pm – 3:40 pm	Noble Liquids	Jocelyn Monroe, Royal Holloway Roxanne Guenette, Harvard
3:40 pm – 4:00 pm	Calorimetry	Roger Rusack, Minnesota Francesco Lanni, BNL
4:00 pm – 4:20 pm	Solid State and Tracking	Carl Haber, LBNL Marina Artusco, Syracuse
4:20 pm – 4:40 pm	Photodetectors	Lindley Winslow, MIT Peter Krizan, Institute Jozef Stefan
4:40 pm – 5:00 pm	TDAQ	Darin Acosta, Florida Tulika Bose, Wisconsin
5:00 pm – 5:20 pm	Readout and ASIC	Gabriella Carini, BNL Mitch Newcomer, Pennsylvania
5:20 pm – 6:00pm	BREAK for Dinner	Dinner on Own (see restaurant listing in handout)
6:00 pm – 7:30 pm	Discussion with Cross Cutting Group (Conveners Only)	Eisenhower Room

Saturday, December 14, 2019

8:00 am – 9:00 am	Continental Breakfast	Presidential Foyer Area
9:00 am – 10:00 am	Cross Cutting Group led overall discussion and agreement on Key Challenges	Eisenhower Room
10:00 am – 12:00 noon	Writing Key recommendations and takeaways for ES etc.	
12:00 noon	Adjourn	Lunch available at Restaurant area of hotel