

# Snowmass@Seattle

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## Conveners Meeting: Energy Frontier Division

Chip Brock and Michael Peskin

July 2, 2013

# around the room

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Your comments

Your status after a couple of days of parallels?

*are your expectations being borne out?*

*any concerns?*

Higgs, Top, EW, QCD, NP, flavor

# *a concern of mine*

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Convergence and consistency on Higgs coupling projections

*how is this going?*

# around the room

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Your comments

Your status after a couple of days of parallels?

*are your expectations being borne out?*

*any concerns?*

Higgs, Top, EW, QCD, NP, flavor

# remaining schedule

white papers:  
final

July 2013						
S	M	T	W	T	F	S
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

August 2013						
S	M	T	W	T	F	S
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

September 2013						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

UW all hands

Snowmass, UMinn

DPF, UC SC

final SM2013 report

next stage of bulleted list of conclusions & what will be done in July

first draft WG 30 page writeup

first draft EF summary

Posting of WG reports on wiki

final WG reports

# we need all understand the schedule

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we asked for group draft documents by July 15

*...not an outline! a document!*

*is that reasonable?*

now that it's upon us—we need to hear your expectations

**When you do send your draft, send it to your working  
group distribution list!**

# Minneapolis

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look at the pink blocks

*many of them are yours*

1, Monday, July 29

2, Tuesday, July 30

3, Wednesday, July 31

4, Thursday, August 1

5, Friday, August 2

0900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

welcomes	<p><b>highlights of EF working group reports</b></p> <p>working groups (incl. instrumentation internal)</p>	<p>working groups (incl. joint instrumentation w/ CF)</p>	<p><b>working groups (incl. joint instrumentation w/ EF)</b></p>	<p>working groups (incl. joint instrumentation w/ IF)</p>
EF: 15+5				
Comp F				
IF				
Inst F				
break	<p><b>capabilities report</b></p>	<p><b>LHC white papers</b></p>		
CF				
Communication Capabilities				
lunch	lunch	lunch	lunch	lunch
Young Snowmass				
DOE	<p>Colloquium: Higgs Boson, Higgs Sector, and naturalness</p> <p>talk</p> <p>question</p> <p>disc</p>	<p>Colloquium: Neutrino Mass, Mixing and Grand Unification</p> <p>talk</p> <p>question</p> <p>disc</p>	<p>Colloquium: Cosmic survey: Dark energy, inflation, neutrinos, etc.</p> <p>talk</p> <p>question</p> <p>disc</p>	<p>Colloquium: High energy cosmic particles</p> <p>talk</p> <p>Colloquium: Energies beyond LHC: Physics goals and technologies</p> <p>question</p> <p>disc</p>
NSF				
Fermilab Director				
break	break	break	break	break
Colloquia: Dark Matter	<p>Grand Panel: Must there be new physics? Where will we find it?</p>	<p>Grand Panel: What can we learn about short distance physics without discovering new particles?</p>	<p>Grand Panel: Selling long-term science.</p>	<p>Grand Panel: Communication, Education, and Outreach: Making common cause with scientists in other fields</p>
			EF PI's with DOE	CF PI's with DOE
	Reception	Mid-Course Conveners		
				Physics Slam



6, Saturday, August 3

7, Sunday, August 4

8, Monday, August 5

9, Tuesday, August 6

0900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

working groups (incl. instrumentation internal)				
			Introduction	
			Plenary: IF	Plenary: EF
		Colloquium: Intensities beyond the planned era: physics goals and technologies	Plenary: Comp	Plenary: EF
			break	break
		Theory Panel		View from Europe
			Plenary: CF	View from Japan
				Physics Horizons
				Conclusions
lunch	lunch	lunch	lunch	
Colloquium: Lepton and Quark Flavor and CP	Colloquium: Transformative technologies for instrumentation and data	Plenary: Ed Out		
Colloquium: Weakly coupled particles		Plenary: Inst		
		break		
break	break	Plenary: HEP & NP		
Grand Panel: What should be the balance in the US program between domestic and overseas facilities ?	Parallel (plenary within each Frontier): What Have We Learned?	Plenary: HEP & Astro		
		Inst meet with DOE	Theory meet with DOE	
	Banquet			

# Minneapolis

look at the pink blocks

*they're yours*

the Sunday afternoon pink

*we need to decide what goes in the final EF conclusions*

I'll ask for something like the "top 5" conclusions

	6, Saturday, August 3	7, Sunday, August 4	8, Monday, August 5
0900			Intro
1000	working groups (incl. instrumentation internal)	Colloquium: Intensities beyond the planned era: physics goals and technologies	Plenary
1100		Theory Panel	Plenary
1200			Plenary
1300	lunch	lunch	
1400	Colloquium: Lepton and Quark Flavor and CP	Colloquium: Transformative technologies for instrumentation and data	Plenary
1500	Colloquium: Weakly coupled particles		Plenary
1600	break	break	Plenary
1700	Grand Panel: What should be the balance in the program between domestic and overseas facilities?	Parallel (plenary within each Frontier): What Have We Learned?	Plenary
1800			Inst mee

# “Colloquia”

Meant to be pedagogical

*level of dept colloquium or Physics Today article*

1 hour pedagogy, 1 hour addressing “tough questions”

*some of you might be asked to contribute*

	1, Monday, July 29	2, Tuesday, July 30	3, Wednesday, July 31	4, Thursday, August 1	5, Friday, August 2
1400	Young Snowmass DOE NSF	Colloquium: Higgs Boson, Higgs Sector, and naturalness	Colloquium: Neutrino Mass, Mixing and Grand Unification	Colloquium: Cosmic survey: Dark energy, inflation, neutrinos, etc.	Colloquium: High energy cosmic particles
1500	Fermilab Director	talk	talk	talk	Colloquium: Energies beyond LHC: Physics goals and technologies
1600	break	question	question	question	question
1700	Colloquia: Dark Matter	break	break	break	break
1800	Grand Panel: Must there be new physics? Where will we find it?	Grand Panel: What can we learn about short distance physics without discovering new particles?	Grand Panel: Selling long-term science.	Grand Panel: Communication, Education, and Outreach: Making common cause with scientists in other fields	

	6, Saturday, August 3	7, Sunday, August 4	8, Monday, August 5
0900	working groups (incl. instrumentation internal)		
1000		Colloquium: Intensities beyond the planned era: physics goals and technologies	Plenary
1100		Theory Panel	Plenary
1200			
1300	lunch	lunch	
1400	Colloquium: Lepton and Quark Flavor and CP	Colloquium: Transformative technologies for instrumentation and data	Plenary
1500	Colloquium: Weakly coupled particles		Plenary
1600	break	break	Plenary
1700	Grand Panel: What should be the balance in the LJS program between domestic and overseas facilities?	Parallel (plenary within each Frontier): What Have We Learned?	Plenary
1800			

*what do you need from us?*

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AOB?

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