

Status of the European Strategy Update

https://europeanstrategygroup.web.cern.ch/EuropeanStrategyGroup/ RECFA meeting at PSI Villigen, Switzerland, 19-20 July 2012

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Scientific Secretary for Strategy Session of CERN Council





Since the beginning of this year

- Preparation toward the European Strategy for Particle Physics updates by the European Strategy Group:
- Working in two ways
 - Scientific inputs by the Preparatory Group
 - Soliciting written inputs from the community and policy makers
 - Open Symposium in Cracow, 10-12 September 2012 in Cracow
 - Briefing book summarising the scientific status
 - Discussion on other issues by the working group of ESG
 - Organisational structure on how to follow and implement the strategy
 - How to cope with the global project
 - Relation with the external world
 - Education, outreach and communication
 - Knowledge and technology transfer, relation with industry



Preparation for the Open Symposium

- Open Symposium, Cracow 10-12, September 2012 http://espp2012.ifj.edu.pl/
 - Open for registration
 - deadline for registration 15 August

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- Programme, Speakers, Session Conveners, and Session Scientific Secretaries defined.
- Starting at 9:00 on 10 September, ending at 14:00 on 12
 September with lunch. Ample time for discussion
- Subjects are:

High Energy Frontiers, Precision Tests, Strong Interactions, Astroparticle, Neutrino, Accelerators, Infrastructure and Computing, Theory, Other Regions

 Deadline of written inputs to be considered by the plenary speakers, 31 July



Monday, 10 September 2012

09:00 - 10:30	Opening Convener: T. Nakada		
	09:00 Introduction and Scope of the Meeting 30'		
	09:30 Overview Talk 45' Speaker: Antonio Masiero (INFN)		
	10:15 Discussion 15'		
10:30 - 11:00	Coffee		
11:00 - 12:35	Physics at High Energy Frontier and Flavour Physics (I) Convener: Y. Kuno, R. Forty (Scientific Secretary)		
	11:00 HEF Experiment Results 35' 30' + 5' discussion		
	Speaker: Guenther Dissertori (ETH Zuerich)		
	11:35 Flavour and Symmetries; Experiment Results 35' 30' + 5' discussion		
	Speaker: Frederic Teubert (CERN)		
	12:10 Charged Lepton Flavor and Symmetry Physics Implications 25' 20' + 5' discussion		
	Speaker: Gino Isidori (Istituto Nazionale Fisica Nucleare (IT))		
12:35 - 14:00	Lunch		



- 14:00 16:30 Physics at High Energy Frontier and Flavour Physics (I) Convener: K. Desch, M. Diemoz, A. Lister (Scientific Secretary)
 - 14:00 Implications on Possible New Physics from Direct and Indirect Measurements 35' Speaker: Christophe Grojean (CERN)
 - 14:35 Next Step Facilities 40' Speaker: Terry Wyatt (University of Manchester (GB))
 - 15:15 Discussion 1h15'
- 16:30 17:00 Coffee
- 17:00 18:30 Strong Interaction Physics Convener: P. Braun-Munzinger, K. Kutak (Scientific Secretary)
 - 17:00 Strong Interactions and QCD at the High Energy Frontier 30' Speaker: Paul Newman (University of Birmingham (GB))
 - 17:30 Relativistic Heavy Ion Collisions 20' Speaker: Harald Appelshaeuser (Johann-Wolfgang-Goethe Univ.)
 - 17:50 Discussion 40'



Tuesday, 11 September 2012

- 09:00 10:20 Astroparticle Physics, Gravitation and Cosmology Convener: C. De Clercq
 - 09:00 Summary of ApPEC/ASPERA Road-Map 25' Speaker: Christian Spiering (DESY)
 - 09:25 Summary of Activities in Regions Beyond Europe 25' Speaker: Michael Turner (tbc)
 - 09:50 Discussion 30'
- 10:20 10:50 Coffee
- 10:50 13:00 Physics of Neutrinos Convener: D. Wark
 - 10:50 Phenomenology of Neutrino Oscillations and Current Situation 15' Speaker: Pilar Hernandez (University of Valencia)
 - 11:05 Next Generation Accelerator Neutrino Projects Long and Short Baseline 25' Speaker: Marco Zito (IRFU-Centre d'Etudes de Saclay)
 - 11:30 Longer-term Accelerator and Future Reactor Neutrino Projects 20' Speaker: Caren HAGNER (Hamburg University)
 - 11:50 Discussion 50'
 - 12:40 Neutrino Mass Measurements 10' Speaker: Hamish Robertson
 - 12:50 Discussion 10'

13:00 - 14:30 Lunch 14:30 - 16:30 Accelerator Science and Technology Convener: R. Aleksan, F. Zimmermann (Scientific Secretary) 14:30 High Energy 40' Speaker: Caterina Biscari (Istituto Nazionale di Fisica Nucleare (INFN)) 15:10 High Intensity 40'

- Speaker: Mats Lindroos (ESS, on leave from CERN)
- 15:50 Discussion 40'
- 16:30 17:00 Coffee
- 17:00 18:30 Instrumentation, Computing and General Infrastructure Convener: P. McBride, E. Garutti (Scientific Secretary)
 - 17:00 Detector R&D for Discovery Science 30' 20' + 10' discussion

Speaker: Ariella Cattai (CERN)

17:30 Construction of Large Scale Projects - Technical Capabilities and Infrastructure 30' 20' + 10' discussion

Speaker: Jim Virdee (Imperial College Sci., Tech. & Med. (GB))

18:00 Computing and Data Management for Particle Physics in 2020 30' 20' + 10' discussion

Speaker: Tommaso Boccali (Sezione di Pisa)





Wednesday, 12 September 2012

09:00 - 10:30	Particle Physics Theory Convener: K. Huitu, P. Slavich (Scientific Secretary)		
	09:00	The Role of Theory for Particle Physics 30' Speaker: Luis Alvarez-Gaume (CERN)	
	09:30	Quantum Field Theory on the Lattice 20' Speaker: Christine Davies (University of Glasgow)	
	09:50	Discussion 40'	
10:30 - 11:00	Coffee		
11:00 - 13:00	Synthesis of All the Sessions Convener: T. Nakada		
	11:00	Americas 30' Speaker: Andrew J Lankford (University of California, Irvine)	
	11:30	Discussion 10'	
	11:40	Asia Pacific 30' Speaker: Prof. Masanori Yamauchi (KEK)	
	12:10	Discussion 10'	
	12:20	Closing Discussion 40'	

13:00 - 14:30 Lunch

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Briefing Book

- Synthesis of the Open Symposium, not a priority list
- Chapters are: High Energy Frontiers, Precision Tests, Strong Interactions, Astroparticle, Neutrino, Accelerators, Infrastructure and Computing, Theory
- Scientific Secretaries are invited to join the effort
- Compilation of the written inputs is added
- Current timeline
 - Overall Skelton: 5 October
 - Submission deadline for the written input for the briefing book: 15 October
 - First complete draft:
 - Final draft:
 - Briefing Book ready for circulation:





7 December

16 November

Strategy Group

- Meeting dates
 - First meeting:
 - introduction
 - ideas on the working groups
 - Second meeting:
 - work plan for the working groups
 - review of the current strategy
 - Third meeting:
 - reflection on the Open Symposium
 - working group report
 - Fourth meeting:

11 December (14:30-18), CERN

12 September (14-18), Cracow

- preparation for the drafting session
- working group report
- Strategy drafting session: 21-26 January 2013, Erice



19 June (14-17), CERN

16 March, (9-12:30), CERN

Strategy Group

- Working Groups
 - WG-1: Mandate and organisational structure for the Council for the European Strategy and its implementation Convener: President of the Council
 - WG-2: Organisational structure for European participation in global projects, including the role and definition of the National Laboratories and the CERN Laboratory in the European Strategy Convener: S. de Jong
 - WG-3Relations with external bodies, in particular EU-related issues

Convener: B. Asman

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- WG-4: Knowledge and technology transfer, relations with industry Convener: E. Augé
- WG-5: Outreach, communication, and education Convener: S. Bethke



In 2013

- Strategy drafting session by the European Strategy Group in Erice, 21-26 January Outcomes
 - Draft Strategy Statements
 - Draft Strategy Deliberation Document
- Discussion and finalisation of the strategy by the Council during the March meeting
 - Strategy Statements
 - Strategy Deliberation Document
 - Brochure for policy makers and wider public
- Formal adaptation of the European Strategy for Particle Physics at a special Council session in Brussels in May



In conclusion Please come to the Open Symposium and submit your written input!

