

APPEC news

- Dec.14 General Assembly in Athens (14 Dec 2018). Next GA May 16-17 in Granada attached to EU Strategy Group meeting for the update of the EU Strategy
- Election of New Chair replacing from Jan. 1, 2019 A. Masiero (INFN): T. M. => **The CHIPP Board could elect a new CH representative.**
- New Vice-Chair C. Stegmann
- Chair of the SAC is L. Baudis.
- The European Particle Physics Strategy 2013 recommended: `A range of important non-accelerator experiments take place at the overlap of PP and ApP (i.e. proton-decay, dark matter (DM) and HE cosmic rays) They address questions beyond the Standard Model. The exchange of information between CERN and APPEC has progressed since 2006. **In the coming years CERN should seek a closer collaboration with APPEC on detector R&D with a view maintaining the community's capability for unique projects in the field.**
As a response, APPEC submitted a document in December as input for the Strategy Update.
The **4 recommendations** specialized for EPPS Roadmap are: 1) Cooperation on R&D and enabling technologies for DM ii) the multi-messenger astronomy, in particular the 3G GW experiments (ET); iii) the neutrino physics; iv) the creation of a European Center for AstroParticle Theory (EuCAPT).
Review of all documents submitted as inputs is starting now by the European Strategy Group led by Halina Abramowicz and will be discussed in Granada.
- EuCAPT (European Centre for AstroParticle Theory): document defining the agreement has been approved by the GA: there will be a central hub and distributed activities (steering board institutes: **APC, IST, ICC, LAPTh, OKC, IFPU, DESY, UGeneva, GRAPPA, Saclay, CERN**). **The first Central Hub is CERN.** The meeting to define Final Agreement in February.
APPEC will finance 10'000 Euro (inside current expenditures) per year and CERN will provide an 0.5 FTE and office space.
- Joint Seminar APPEC-ESFRI-NUPPEC: **date is 14-16 Oct. 2019 (take note!!)**

Joint Seminar APPEC-ECFA- NUPPEC (14-16 Oct. 2019, Paris)

LOC: LAL, IPN, IRFU and LPNHE (Guy Wormser Chair)

SOC: **APPEC** TM (University of Geneva, ApPEC chair), Stan Bentvelsen (Director of Nikhef, member of the ECFA General Assembly), Antonio Masiero (INFN, previous ApPEC chair);

ECFA Manfred Krammer (CERN, previous-to-previous ECFA chair), Carlos Lacasta (IFIC / Universitat de València, scientific secretary ECFA), Jorgen D'Hondt (IIHE / Vrije Universiteit Brussel, ECFA chair); **NuPECC**

Angela Bracco (INFN Milano / Università di Milano, previous NuPECC chair), Eberhard Widmann (Stefan-Meyer-Institut für subatomare Physik der ÖAW / Universität Wien, NuPECC deputy chair), Marek Lewitowicz (GANIL, NuPECC chair)

Strawman proposal of program in <https://jenas-2019.lal.in2p3.fr>

Comprehensive talks in about 10 thematic plenary sessions with potentially different time slots and each with their own character.

By March 11 meeting, I need to communicate also **1 early career scientist in the domain of APPEC for CH** and suggested speakers for the program (see after). Suggesions on this are very welcome.

Monday		14.Oct	
<i>Session: welcome and overall strategies, to set the scene</i>			
10:30	Welcome and presentation of local institutions	Professeur Sylvie Retailleau	President of Paris-Saclay University
11:00	Strategy ApPEC	NN	
11:30	Strategy ECFA	NN	
12:00	Strategy NuPECC	NN	
12:30	Lunch		
<i>Session: key physics highlights, key outstanding questions and most prominent challenges</i>			
14:00	Physics highlights and challenges - astroparticle physics	NN	
14:30	Physics highlights and challenges - particle physics	NN	
15:00	Physics highlights and challenges - nuclear physics	NN	
15:30	Break		
<i>Session: Computing and Software situation, challenges and avenues for the future</i>			
16:00	Computing and Software challenges	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
16:30	Big Data challenges for Science	NN	Someone with an academic C&S view
17:00	Big Data challenges for Industry/Society	NN	Someone with a non-academic C&S view
17:30	Open Data for ApPEC-ECFA-NuPECC	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
18:00	Welcome cocktail		
Tuesday		15.Oct	
<i>Session: Technology and Detector R&D (cannot cover everything, hence select key topics with synergies among the fields)</i>			
09:00	Photo-sensors (TBC)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
09:30	Solid-state devices (TBC)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
10:00	Calorimetry (TBC)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
10:30	Break		
11:00	Cryogenics (TBC)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
11:30	Magnets (TBC)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
12:00	Accelerator technology (TBC)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
12:30	Lunch		
<i>Session: applications for society (intention to kick-off a joint ApPEC-ECFA-NuPECC folder on the topic, referring to domain specific information)</i>			
14:00	Astroparticle physics for society	NN	
14:30	Particle Physics for society	NN	
15:00	Nuclear physics for society	NN	
15:30	Break		
<i>Session: education, outreach and science communication, conferences/workshops</i>			
16:00	Education from master student to tenure	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
16:30	How well are we exploring our synergies in conferences/workshops?	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
17:00	Outreach: a united ApPEC-ECFA-NuPECC story to tell?	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
17:30	placeholder		extra topic (not necessarily in this session)
18:00	Poster session		
19:00	Conference dinner		

Wednesday		16.Oct	
<i>Session: topical presentations</i>			
09:00	Neutrinos (EXP+TH)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
09:30	Dark Matter (EXP)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
10:00	Beyond Standard Symmetries (EXP)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
10:30	<i>Break</i>		
11:00	Precise calculations (TH)	NN	Prepare the talk with a contact for ApPEC, ECFA and NuPECC each
11:30	Standard Model of cosmology and beyond (TH)	NN	
12:00	Cosmology in the era of gravitational wave detection (EXP)	NN	
12:30	<i>Lunch</i>		
<i>Session: panel discussion on diversity</i>			
14:00	Panel on Diversity - public announcement of Diversity Charter	Panel members	
15:00	Closing remarks	ApPEC-ECFA-NuPECC chairs	Highlighting the synergies discussed during the meeting
15:30	<i>End of meeting</i>		