

ApPIC Meeting
September 2, 2016

LBNL

Consolidation Report

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ApPIC Meetings/Presentations

- First meeting May 2014 at APC, Paris
 - Reviewed status of multi-messenger astronomy (GWs, HE ν and γ ray astronomy, HE CRs)
 - M. Spiro delivered messages to APIF on data policy & sharing at their May 9 meeting in Paris
- Second meeting April 2015 at FNAL
 - Discussed interplay of astrophysics with neutrino experiments, including cosmology, ICECUBE, PINGU/ORCA etc.
 - Joint meeting with ICFA neutrino panel
 - Presented results to 2nd meeting on Large Neutrino Infrastructures
- ApPIC presentations at ICRC (July 2015), TAUP (Sept 2015), ICFA (Feb. 2016) and 3rd meeting on Large Neutrino Infrastructures (June 2016)
- Third meeting September 2016 in Berkeley

ApPIC Connections

- Part of our mandate is to “comment on and liaise with similar national and international organs on assessment and road-mapping activities, as the need may arise, such as for promoting the global coherence of plans, priorities and projects, in Astroparticle Physics.”
- Connections with WG11 GWIC and WG9, Int’l Coop in Nuclear Physics via members
- Have established a connection with WG1 ICFA: agreed to invite chairs in alternate years. Proposal endorsed by ICFA in Feb. 2016.
- IUPAP C4 Astroparticle Commission overseeing ICRC chair is ex-officio member of ApPIC and also Binetruy is a member
- Observers: Ani Aprahamian C12 (Nuclear Physics)
- Formal connection with ICRC and TAUP: regular reports and e-officio member of organizing committee for TAUP
- Connection with APPEC via members; reporting to APPEC steering committee (funding agencies)

Topics

- So far discussed
 - Data policies and data sharing: develop into a position paper?
 - Overview and vision for coordinated program in multi-messenger high energy astronomy: position paper?
 - Connections between cosmology and neutrino physics and need for better communication
- Additional topics
 - GW follow-up?
 - DM connections across different techniques?