

# ***Introduction***

## **HEPAP Meeting**

***Newport Beach, CA; December 9-11, 2015***

**Andrew J. Lankford**

**HEPAP Chair**

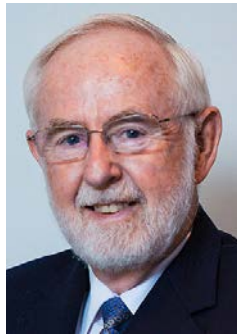
***University of California, Irvine***

# Prizes in 2015

## Nobel Prize in Physics



Takaaki Kajita



Arthur B. McDonald

*“for the discovery of neutrino oscillations, which shows that neutrinos have mass”*

*“for the fundamental discovery and exploration of neutrino oscillations, revealing a new frontier beyond, and possibly far beyond, the standard model of particle physics”*

## Fundamental Physics Breakthrough Prize



Kam-Biu Luk  
& Daya Bay Collaboration



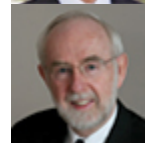
Yifang Wang  
& Daya Bay Collaboration



Koichiro Nishikawa  
& K2K+T2K Collaboration



Atsuto Suzuki  
& KamLAND Collaboration



Arthur B. McDonald  
& SNO Collaboration



Takaaki Kajita  
& Super K Collaboration

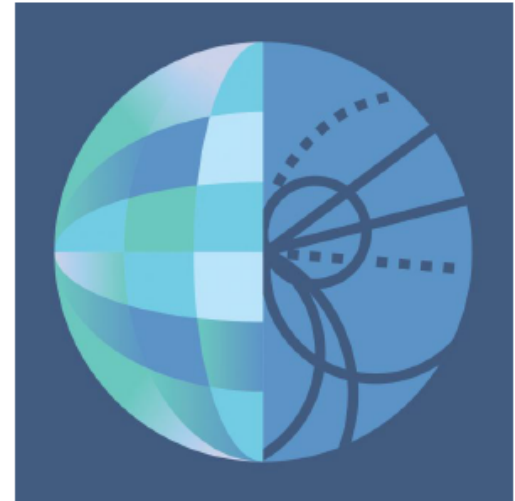


Yoichiro Suzuki  
& Super K Collaboration

# From Jim Siegrist at DPF 2015

## Achieving the Global Vision for HEP

- **P5** provides the science drivers and recommended strategic priorities, particularly project priorities under various budget scenarios
- **HEPAP** is the “keeper” of the plan and reviews implementation and progress
- The **agencies**, as the stewards of the program, receive the advice and try to implement the plan as best they can with the actual budgets
- Strong **community** support continues to be crucial to achieving the P5 vision:
  - Coherent community message in support of vision gets noticed by appropriators
  - Focused community effort required to crisply execute the plan and flawlessly complete projects



# Overview of Agenda

<b>Day 1 – Wednesday Dec 9</b>	
Wed AM	Agency Reports
Wed PM	Neutrino Program
<b>Day 2 – Thursday Dec 10</b>	
Thursday AM	LHC & HL-LHC
Thursday PM	Reports from NSAC Accelerator R&D Communications <a href="#">HEPAP Discussion</a>
<b>Day 3 – Friday Dec 11</b>	
Friday AM	Cosmic Frontier Projects AAAC Report & NAS Mid-decadal Maintaining the Visibility of the P5 Report <a href="#">HEPAP Discussion</a>

- Focus on review of status and progress of implementation of P5 plan
- In its role as “keeper” of the plan, HEPAP discussion to provide advice to agencies

# Particle Physics Project Prioritization: The Importance of the Community Voice

- **The P5 strategic planning process was community-driven.**
  - Started with year-long community study organized by DPF to define scientific opportunities
  - Followed by deliberations of the P5 subpanel comprised of community members
  - The community-driven nature of the planning has proven to be crucial to the support and momentum that the P5 plan has gained.
- **Keys to success of the P5 strategic plan** (from Siegrist, DPF 2015):
  - Presents a clear, global vision for an exciting science program. (*science-driven global vision*)
  - Strategy is executable within reality of current fiscal environment. (*tough choices were made*)
  - Plan has strong community support.
- **Keys to continued success:**
  - Maintaining alignment of program with the strategic plan. (*can be assessed by HEPAP*)
  - Continued community support.
    - Dependent upon community understanding of the plan and of its implementation
  - Advocacy of the program as a whole,
    - not just one's favorite part of the program or one's alternative vision.
    - We should not confuse our decision makers or our international partners by appearance of vacillating in our commitment to the successful implementation of the P5 plan.
- **Later in this meeting:**
  - Steve Ritz (P5 Chair) will speak Friday on *Maintaining the Visibility of the P5 Plan*.
  - I will say a few words tomorrow on future strategic planning.