

International Workshop on Applied Antineutrino Physics 2017



Bhabha Atomic Research Centre, Mumbai, India
November 30 – December 01, 2017



Website : <http://www.aap.symponp.org>
Venue : Training School Hostel & Guest House, Anushaktinagar, Mumbai, 400094, India

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The 13th International Workshop on Applied Antineutrino Physics is being held at BARC, Mumbai, India from November 30 to December 1, 2017. The Applied Antineutrino Physics workshops (2016 Liverpool, 2015 Virginia, 2014 Paris, 2013 Seoul, 2012 Hawaii, 2011 Vienna, 2010 Sendai, 2009 Angra, 2007 Paris, 2006 Livermore, 2005 & 2004 Hawaii) have focused on the application of antineutrinos including non-proliferation and geophysics. As a result of these workshops, several antineutrino detector systems, designed explicitly for reactor monitoring have been built and are being operated worldwide. With an eye to this maturing technology base, IAEA (International Atomic Energy Agency) has encouraged national laboratories and academic participants to consider possible applications of antineutrino detectors in current and future safeguards regimes. The field of geo-neutrinos has made significant progress over the last ten years thanks to the measurements by KamLAND and Borexino experiments. The Applied Antineutrino Physics workshop 2017 will focus on the current activities and future directions in these areas,

Topics

- Status of ongoing experimental programs of antineutrino applications
- Understanding of the reactor and geological antineutrino signal
- New detection technologies for antineutrino detection
- Overlapping developments in fundamental physics experiments
- Antineutrino signal as a tool for the nonproliferation and geology communities

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