



20–22nd December, Barbican centre

## Invited Talks

<b>D. Brailsford</b> (Lancaster University).....	pg. 4
<i>DUNE: Status and Perspectives</i>	
<b>M. Carneiro</b> (Oregon State University).....	pg. 13
<i>Neutrino Cross Sections: Status and Prospects</i>	
<b>P. Cenzi</b> (INFN Perugia) .....	pg. 23
<i>Searches for Heavy Neutrinos at the CERN SPS</i>	
<b>M. Dracos</b> (IPHC Université de Strasbourg).....	pg. 33
<i>The European Spallation Source neutrino Super Beam</i>	
<b>M. Gerbino</b> (OKC Stockholm University).....	pg. 42
<i>Neutrino properties from cosmology</i>	
<b>A. Giaz</b> (Università di Padova) .....	pg. 53
<i>Status and perspectives of the JUNO experiment</i>	
<b>C. Giganti</b> (LPNHE Paris) .....	pg. 61
<i>Latest results from T2K and T2K Phase II</i>	
<b>M. Lucente</b> (Université Catholique de Louvain).....	pg. 70
<i>Leptogenesis, dark matter and neutrino masses</i>	
<b>M. Masip</b> (University of Grenada).....	pg. 79
<i>High energy neutrinos</i>	
<b>B. Roskovec</b> (Pontifical Catholic University of Chile) .....	pg. 88
<i>Reactor Neutrino Spectrum and Flux Measurement</i>	
<b>L. Stanco</b> (INFN Padova).....	pg. 97
<i>The neutrino mass hierarchy from oscillation</i>	
<b>R. Sturani</b> (University Rio Grande do Norte).....	pg. 107
<i>Gravitational Waves and Neutrinos</i>	

## Poster Presentations

- M. Beretta** (University Of Milano-Bicocca) ..... pg. 119  
*FLARES*
- T. Boschi** (IPPP, Durham and QMUL) ..... pg. 124  
*Searching for MeV-scale Neutrinos with the DUNE Near Detector*
- J. Burns** (AWE plc.) ..... pg. 129  
*Remote detection of undeclared nuclear reactors using the WATCHMAN detector*
- A. Coffani** (University of Milano-Bicocca) ..... pg. 134  
*A narrow band neutrino beam with high precision flux measurements*
- A. Dabrowska** (Institute of Nuclear Physics Polish Academy of Sciences) ..... pg. 139  
*Study of the Neutral-Current interactions with production of neutral pions in the T2K off-axis near detector*
- E. Drakopoulou** (University of Edinburgh) ..... pg. 144  
*ANNIE Phase II Reconstruction Techniques*
- G. Gokbulut** (Çukurova University) ..... pg. 149  
*Combining Forces for a Novel European Facility for Neutrino-Antineutrino Symmetry-Violation Discovery (EuroNuNet)*
- P. Guzowski** (University of Manchester) ..... pg. 154  
*The first ever search for neutrinoless quadruple beta decay*
- S. Leardini** (Università degli Studi di Padova) ..... pg. 159  
*A study about the F-estimator for the neutrino mass hierarchy in the JUNO experimennt*
- J. Migenda** (University of Sheffield) ..... pg. 164  
*Supernova Burst Observations with DUNE*
- K. Nakamura** (Fukuoka University) ..... pg. 169  
*Diagnosing the Structure of Massive Stars with Galactic Supernova Neutrinos*
- J. Penedo** (SISSA) ..... pg. 174  
*Neutrino Mixing and Leptonic CP Violation from  $S_4$  and Generalised CP Symmetries*
- W. van de Pontseele** (University of Oxford) ..... pg. 179  
*Flash-matching for the Pandora based electron neutrino selection in MicroBooNE*
- D. van Eijk** (WIPAC UW Madison) ..... pg. 184  
*Electronics and DAQ for the CHIPS Experiment*
- T. Vladisavljevic** (University of Oxford & Kavli IPMU) ..... pg. 189  
*Constraining the T2K Neutrino Flux Prediction with 2009 NA61/SHINE Replica-Target Data*