
Contribution ID: **73** Type: **talk**

# Neutrino mixing in a model with a discrete A4 flavor symmetry after Daya Bay result

*Thursday, 19 September 2013 09:44 (22 minutes)*

The measurement of the non-zero reactor mixing angle has established a new challenge for the theoretical understanding of the lepton mixing. The use of discrete symmetries to successfully explain that mixing is still possible. As an example, we have modified the so called Babu-Ma-Valle model in such a way that we account for the current
neutrino mixing values at 3 sigma. In particular, we have obtained not only compatibility with non zero reactor mixing angle, but also a non-maximal atmospheric mixing angle.

**Primary author:** Mr VANEGAS FORERO, David (Instituto Superior Técnico de Lisboa)

**Co-authors:** Prof. ROMAO, Jorge (Instituto Superior Técnico de Lisboa); VALLE, Jose (AHEP Group, Institut de Física Corpuscular C.S.I.C./Universitat de Valencia); Dr MORISI, Stefano (Institut fur Theoretische Physik und Astrophysik, Universitat Wurzburg)

**Presenter:** Mr VANEGAS FORERO, David (Instituto Superior Técnico de Lisboa)

**Session Classification:** Working Group 2

**Track Classification:** Working Group 2