



Contribution ID: 29

Type: **not specified**

## Gauged non-Abelian discrete family symmetries

*Tuesday, 7 December 2010 17:25 (25 minutes)*

Non-Abelian discrete family symmetries have been adopted in numerous models which try to explain the triplification of chiral families and describe the observed tri-bimaximal pattern of the leptonic mixing matrix. In my talk I motivate and discuss a possible gauge origin of such a discrete family symmetry. How does the remnant family symmetry arise in this scenario? What are the resulting implications for model building?

**Primary author:** Dr LUHN, Christoph (University of Southampton)

**Presenter:** Dr LUHN, Christoph (University of Southampton)

**Session Classification:** T, C, P, CP symmetries, accidental symmetries (B, L cons.) (6)

**Track Classification:** T, C, P, CP symmetries, Accidental symmetries (B, L conservation)