

Abstract Submitted
for the APR12 Meeting of
The American Physical Society

Dark Matter from Binary Tetrahedral Flavor Symmetry DAVID EBY¹, PAUL FRAMPTON², University of North Carolina, Chapel Hill — Binary Tetrahedral Flavor Symmetry, originally developed as a quark family symmetry and later adapted to leptons, has proved both resilient and versatile over the past decade. In 2008 a minimal T' model was developed to accommodate quark and lepton masses and mixings using a family symmetry of $(T' \times Z_2)$. We examine an expansion of this earlier model using an additional Z_2 group that facilitates predictions of WIMP dark matter, the Cabibbo angle, and deviations from Tribimaximal Mixing, while giving hints at the nature of leptogenesis.

¹Presenting Co-Author

²Co-Author

David Eby
University of North Carolina, Chapel Hill

Date submitted: 06 Jan 2012

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