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(71)Name of Applicant :

1)Dr. Repalle Panduranga Rao, Assistant Professor / Department of Basic Sciences and Humanities, Vignan Institute of Technology and Science.
Address of Applicant :Vignan Institute of Technology and Science, Deshmukhi, Yadadri Bhuvanagiri District, Telangana-508284. -----

2)Dr. Y.V.Seshagiri Rao, Associate Professor / Department of Basic Sciences and Humanities, Vignan Institute of Technology and Science.

3)Dr. J. Ramesh Babu, Associate Professor of Mathematics / Department of H&S, CVR College of Engineering.

4)Kalyan Kumar Palaparathi, Assistant Professor / Department of Mathematics, Koneru Lakshmaiah Education Foundation Deemed to be University.

5)Dr.D.Malleswari, Assistant Professor of Mathematics / Department of Mathematics, Vivekananda Government Degree College.

6)Kokala Narsimha, Assistant Professor of Mathematics / Department of S&H, Brilliant Institute of Engineering & Technology.

7)Kethupalli Swapna, Assistant Professor of Mathematics / Department of H&S, Malla Reddy Institute of Technology (MRIT).

8)Dr. P. Srilatha, Associate Professor / Department of Mathematics, Institute of Aeronautical Engineering.

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Repalle Panduranga Rao, Assistant Professor / Department of Basic Sciences and Humanities, Vignan Institute of Technology and Science.
Address of Applicant :Vignan Institute of Technology and Science, Deshmukhi, Yadadri Bhuvanagiri District, Telangana-508284. -----

2)Dr. Y.V.Seshagiri Rao, Associate Professor / Department of Basic Sciences and Humanities, Vignan Institute of Technology and Science.
Address of Applicant :Vignan Institute of Technology and Science, Deshmukhi, Yadadri Bhuvanagiri District, Telangana-508284. -----

3)Dr. J. Ramesh Babu, Associate Professor of Mathematics / Department of H&S, CVR College of Engineering.
Address of Applicant :CVR College of Engineering, Vastunagar, Mangalpalli, Ibrahimpatnam, Rangareddy, Telangana-501510. -----

4)Kalyan Kumar Palaparathi, Assistant Professor / Department of Mathematics, Koneru Lakshmaiah Education Foundation Deemed to be University.
Address of Applicant :Koneru Lakshmaiah Education Foundation Deemed to be University, Hyderabad, Telangana-500075. -----

5)Dr.D.Malleswari, Assistant Professor of Mathematics / Department of Mathematics, Vivekananda Government Degree College.
Address of Applicant :Vivekananda Government Degree College, Vidya Nagar, Hyderabad, Telangana-500044. -----

6)Kokala Narsimha, Assistant Professor of Mathematics / Department of S&H, Brilliant Institute of Engineering & Technology.
Address of Applicant :Brilliant Institute of Engineering & Technology, Abdullapurmet, Hayathnagar, Hyderabad, Telangana-501505. -----

7)Kethupalli Swapna, Assistant Professor of Mathematics / Department of H&S, Malla Reddy Institute of Technology (MRIT).
Address of Applicant :Malla Reddy Institute of Technology (MRIT), Maisammaguda, Dhullapally, Hyderabad, Telangana-500100. -----

8)Dr. P. Srilatha, Associate Professor / Department of Mathematics, Institute of Aeronautical Engineering.
Address of Applicant :Institute of Aeronautical Engineering, Dundigal, Hyderabad, Telangana-500043. -----

(57) Abstract :

Abstract The partial compositeness process can generate fermion masses by substituting linear blending with heavy composites partners for the serial Higgs connection to the fermions. In a structure model similar to a viable theory with one composite Higgs boson and a slightly composite top quark, we give the first computation of the relevant matrix. More specifically, our framework is an SU4 gauge concept related to dynamic fermions in both the elementary and two different antisymmetric representations. However, our conclusion is not encouraging for achieving a genuine top mass throughout this model because the matrix element we acquire is modest.

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