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**SIMULTANEOUS ANALYSIS OF NEGATIVE PARITY 70-PLET  
BARYON PROPERTIES IN LARGE  $N_c$  QCD****Shavindra Premaratne, C. P. Jayalath***Department of Physics, Faculty of Science, University of Peradeniya*

Non-strange members of the 70-plet baryons are analyzed within Large  $N_c$  QCD. The Large  $N_c$  approach is used as an effective theory to simultaneously fit the masses and decays with corrections up to  $O(1/N_c)$ . Values of the mixing angles for the  $S=1/2$  and  $S=3/2$  nucleon mass eigenstates are obtained. The observed effective operator hierarchy is consistent with the previous studies conducted in this sector and improved results are obtained.