

**Light baryon spectroscopy and diquark correlations in quenched
QCD with overlap quarks on a large lattice.**

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Abstract: A simulation of quenched QCD with the overlap Dirac operator has been carried out using 100 Wilson gauge configurations at $\beta = 6$ on an $18^3 \times 64$ lattice and at $\beta = 5.85$ on a $14^3 \times 48$ lattice. We present here results for baryon masses, quark and diquark propagators in the Landau gauge and diquark correlations inside baryons.