Probing the chiral limit with clover fermions II: The baryon sector

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Algorithmic progress in recent years made it possible to simulate QCD with $N_f = 2$ flavours of $O(a)$-improved Wilson fermions at very light quark masses. We present the current results for baryon spectrum states, the nucleon axial coupling and the lowest moment of unpolarised nucleon structure functions. Special emphasise is given to a comparison of our calculations with results from chiral effective theories. Finally, we will attempt an assessment of systematic errors related to the problem of setting the scale.