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Hyperon Form Factors from $N_f=2+1$ QCD

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We present results from the QCDSF collaboration for the electromagnetic and semi-leptonic form factors for the hyperons. The simulations are performed on our new ensembles generated with 2+1 flavours of dynamical $O(a)$ -improved Wilson fermions. A unique feature of these configurations is that the quark masses are tuned so that the singlet quark mass is held fixed at its physical value. We use 5 such choices of the individual quark masses on $24^3 \times 48$ lattices with a lattice spacing of 0.083fm.

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talk

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