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New extended interpolating fields for hadron correlation functions

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We introduce new extended interpolating operators made of quenched three dimensional fermions propagating in the timeslices. Such non-local operators are well behaved under renormalisation.

The mass of the three 3D fermions can be tuned in a controlled way to find a better overlap of the extended operators with the states of interest. We test these operators for baryon two-point functions and compare to point sources and Jacobi smearing.

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