

Composite fermions in the Veneziano limit via holography

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A strongly-coupled gauge theory with a large number of colours can be conveniently studied using holography. We focus on composite fermionic operators in the limit of a large number of flavours, suitable to realise partial compositeness of the Standard Model fermions. We compute the fermion mass spectrum holographically, and identify regions in parameter space where a composite fermion can become light. One motivation is to achieve light top-quark partners in the composite Higgs framework.

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