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The $B^* B \pi$ coupling

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We study an efficient method for the lattice calculation of the $B^* B \pi$ -coupling in the static limit, a parameter of the heavy meson chiral Lagrangian, paying particular attention to excited state contamination. Precise studies of the continuum limit in the quenched approximation and of the chiral behaviour with 2 flavours of improved Wilson quarks (using CLS lattices) for pion masses down to around 250 MeV are presented.

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talk

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