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## The $b$ Quark Mass from Lattice Nonrelativistic QCD

*Tuesday, 15 June 2010 18:00 (5 minutes)*

We present a calculation of the  $b$  quark mass from lattice NonRelativistic QCD (NRQCD). The  $b$  quark mass is extracted using the two-loop NRQCD heavy quark energy shift and mass renormalisation, previously calculated to only one-loop. These parameters are obtained with a hybrid technique: gluonic contributions are extrapolated from a quenched high-beta simulation and the fermionic contributions calculated using automated lattice perturbation theory.

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Poster

**Primary author:** CHRIS, Monahan (University of Cambridge)

**Co-authors:** Dr HART, Alistair (University of Edinburgh); Mr LEE, Andrew (University of Cambridge); Dr VON HIPPEL, Georg (University of Mainz); Prof. RON, Horgan (University of Cambridge)

**Presenter:** CHRIS, Monahan (University of Cambridge)

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