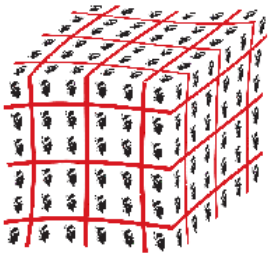

Contribution ID: **26** Type: **not specified**

Update on charm annihilation contribution to the hyperfine splitting in charmonium

Thursday, 17 June 2010 17:00 (20 minutes)

We report our final results for the contributions of the
disconnected diagrams to the hyperfine splitting in charmonium.
Our study includes both the quenched and dynamical cases
on ensembles with lattice spacings of approximately 0.06 fm and 0.09 fm.
Our new approach tunes the charm quark mass so that the rest mass of the η_c
is close to its physical value. This method of tuning
gives a better accounting of the glueball interactions contributing to the mass
shift of the η_c and J/ψ.

Please, insert your presentation type (talk, poster)

talk

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Session Classification: Parallel 46: Hadron spectroscopy

Track Classification: Hadron spectroscopy