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## Charmonium and glueballs including light hadrons

*Thursday, 20 July 2023 15:20 (20 minutes)*

We study charmonium and glueballs on  $N_f = 3 + 1$  lattice ensembles using distillation as a smearing for the quark fields. The novelty of our study is the inclusion of light hadrons into which these states can decay. We present preliminary results for the hyperfine splitting of the low-lying charmonium states by including disconnected diagrams together with light flavor mixing.

### Consent

I consent to recording/broadcasting my presentation.

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