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## Stringy hadrons

*Friday, 17 April 2015 17:40 (30 minutes)*

Motivated by holographic stringy hadrons, I propose a model of stringy hadrons in four flat space-time dimensions. Mesons are rotating open strings with massive quarks in their endpoints. Baryons are open strings with a quark on one end and a baryonic vertex and a di-quark on the other end. Glueballs are rotating folded closed strings.

A detailed fit of the model to experimental data will be presented including extracting the best fit parameters for the string tension, intercept and endpoint masses. The issue of the identification nature's glueballs will be addressed.

I will discuss and report on certain progress about the yet unsolved problem of the quantization of rotating bosonic open (with massive endpoints) and folded closed strings in four dimensions.

**Presenter:** SONNENSCHN, Jacob

**Session Classification:** Afternoon session