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## **Baryonium in confining gauge theories**

*Tuesday 18 August 2009 14:00 (1 minute)* 

## Please give a brief summary of your poster

We show a new class of embedding solutions of D5 brane, which wraps on S^5 in the AdS\_5 \* S^5 space time and contains fundamental strings as U(1) flux to form a baryon vertex. The new solution is different from the baryon vertex since it consists of two same side(north or south) poles of S^5 as cusps, which are put on different points in our three dimensional space.

This configulation is regarded as a D5-anti D5 bound state, and we propose this as the vertex of a baryonium state, which is made of a baryon and an anti-baryon. By attaching quarks and anti-quarks to the two cusps ob this vertex, it is possible to construct a realistic baryonium.

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