

Theories spanning space and time



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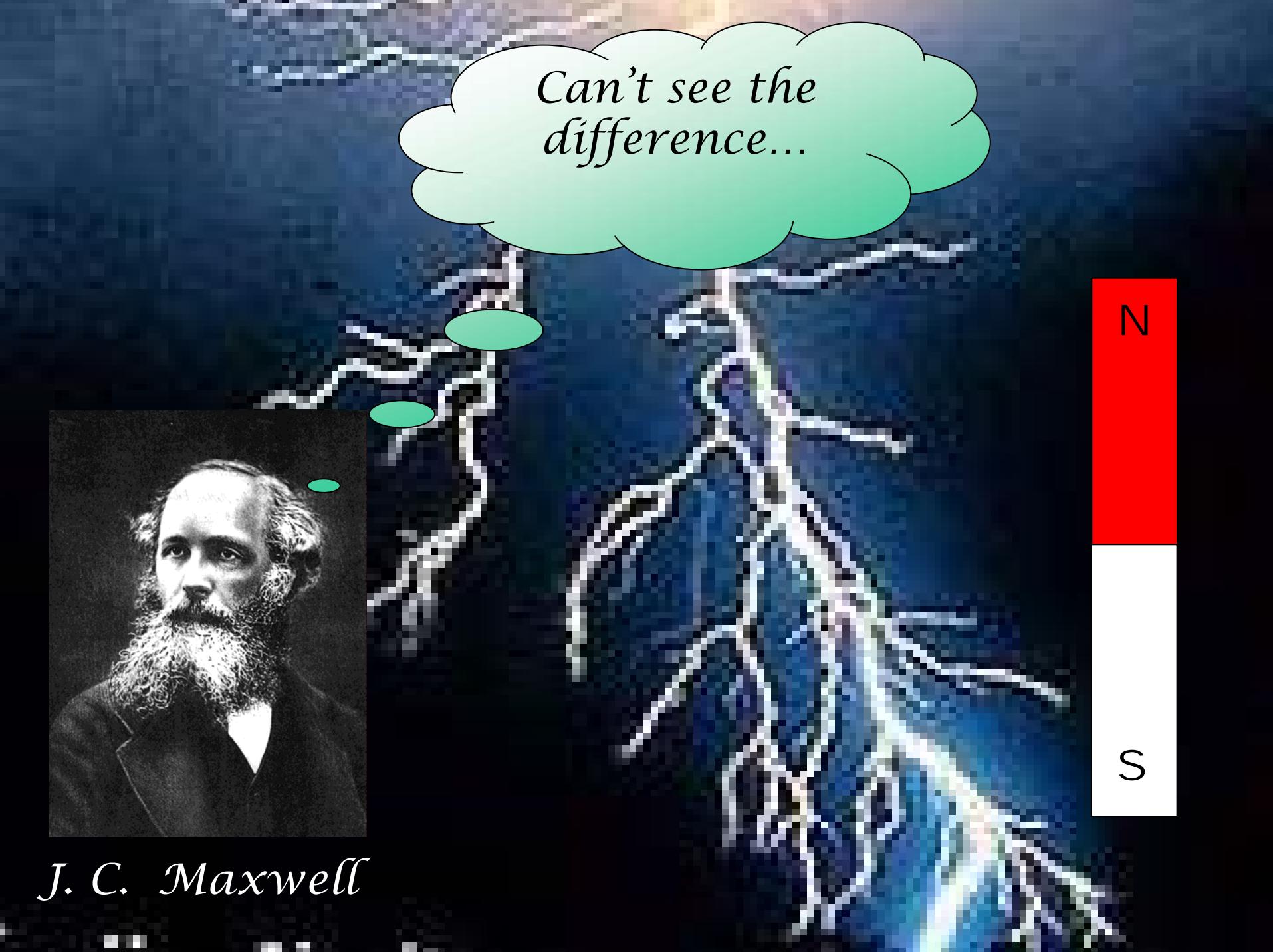
*Ulf Danielsson
Uppsala Universitet*



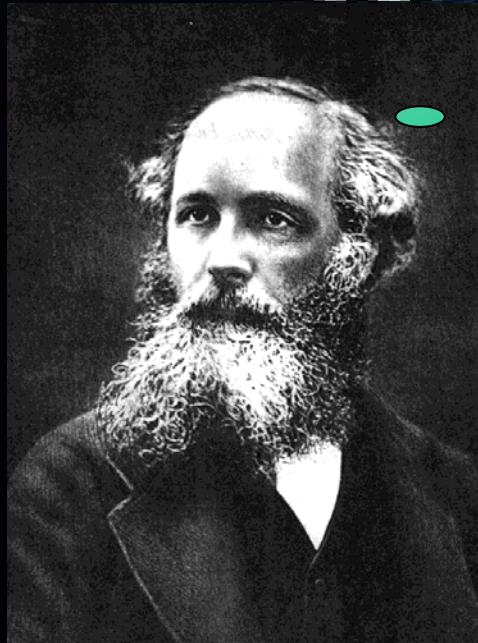
*It's all the same to
me!*



Isaac Newton



*Can't see the
difference...*



J. C. Maxwell

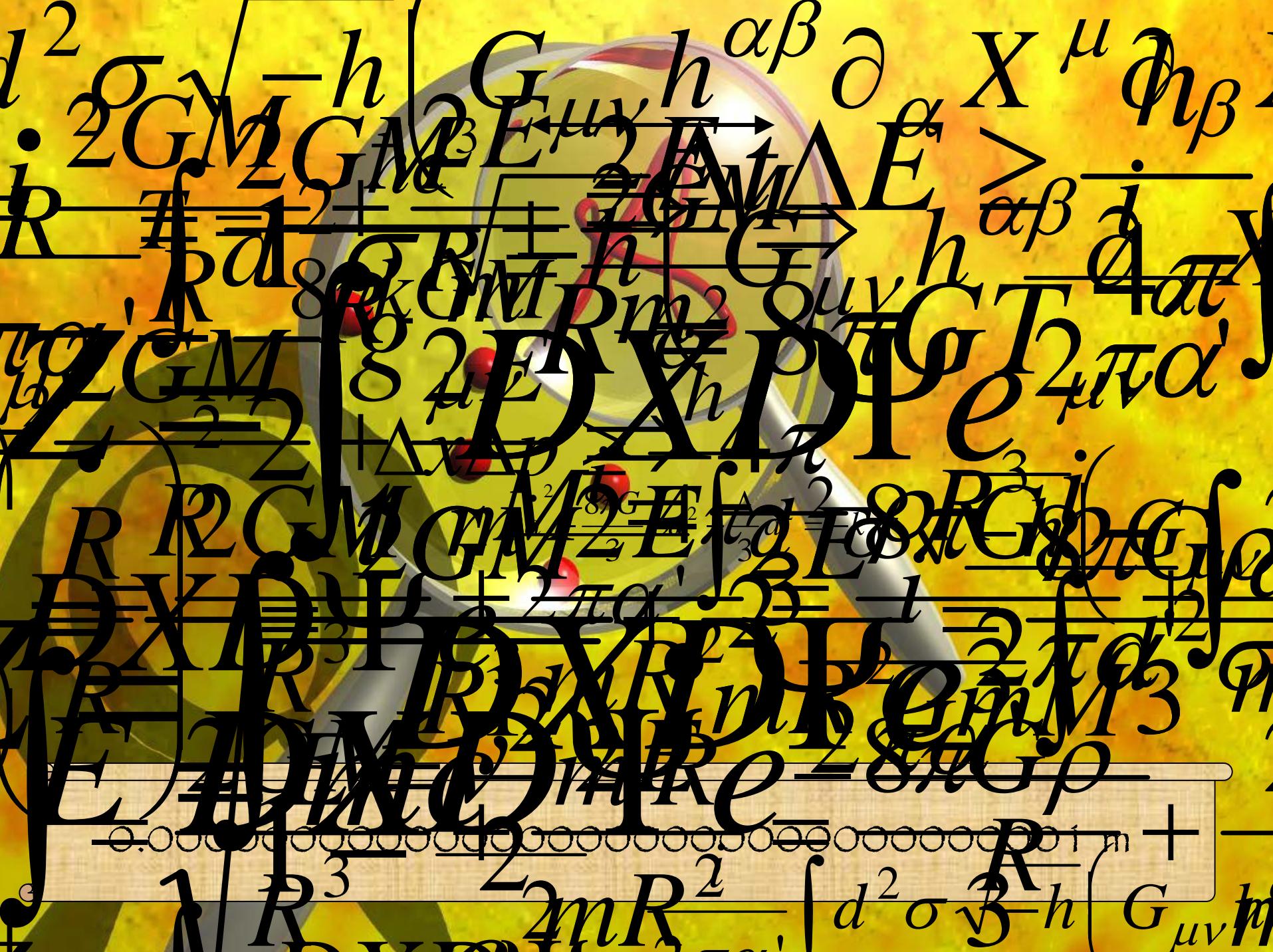
N

S

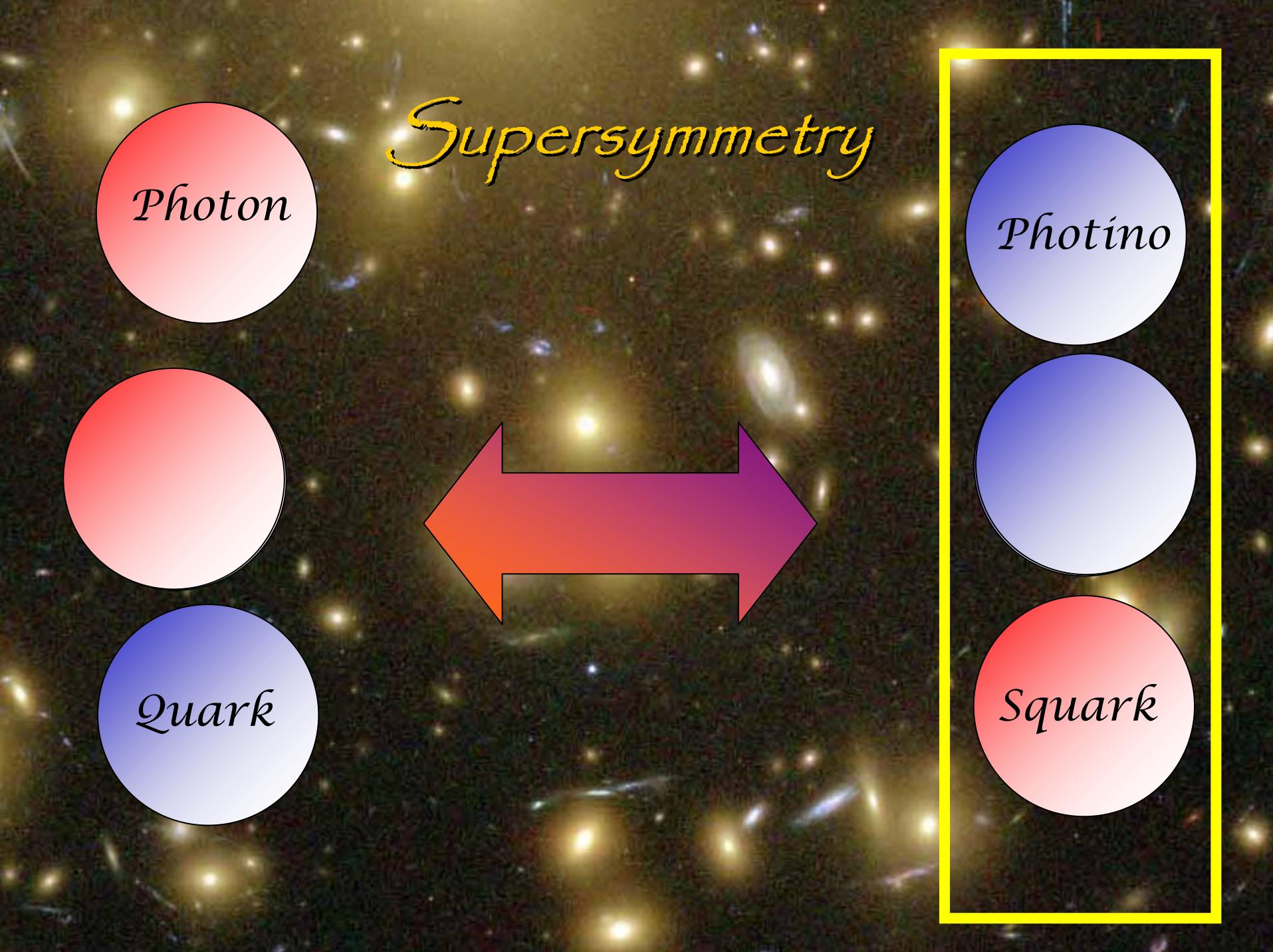


The very large...

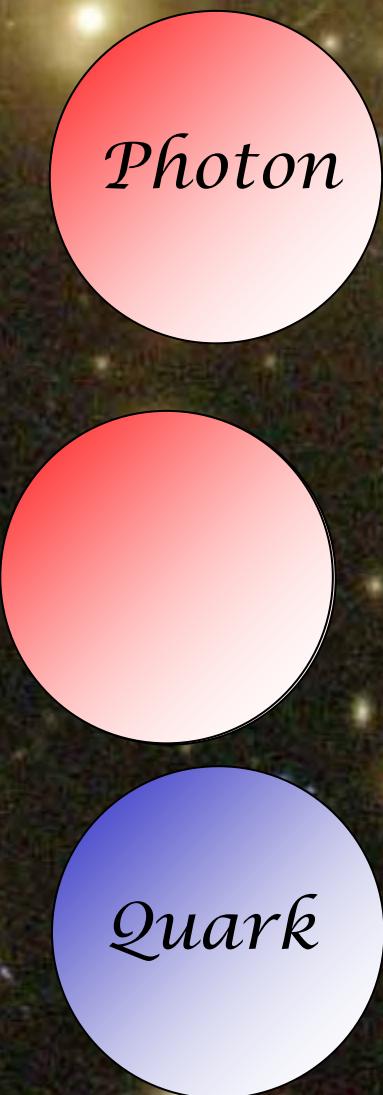
The solution...



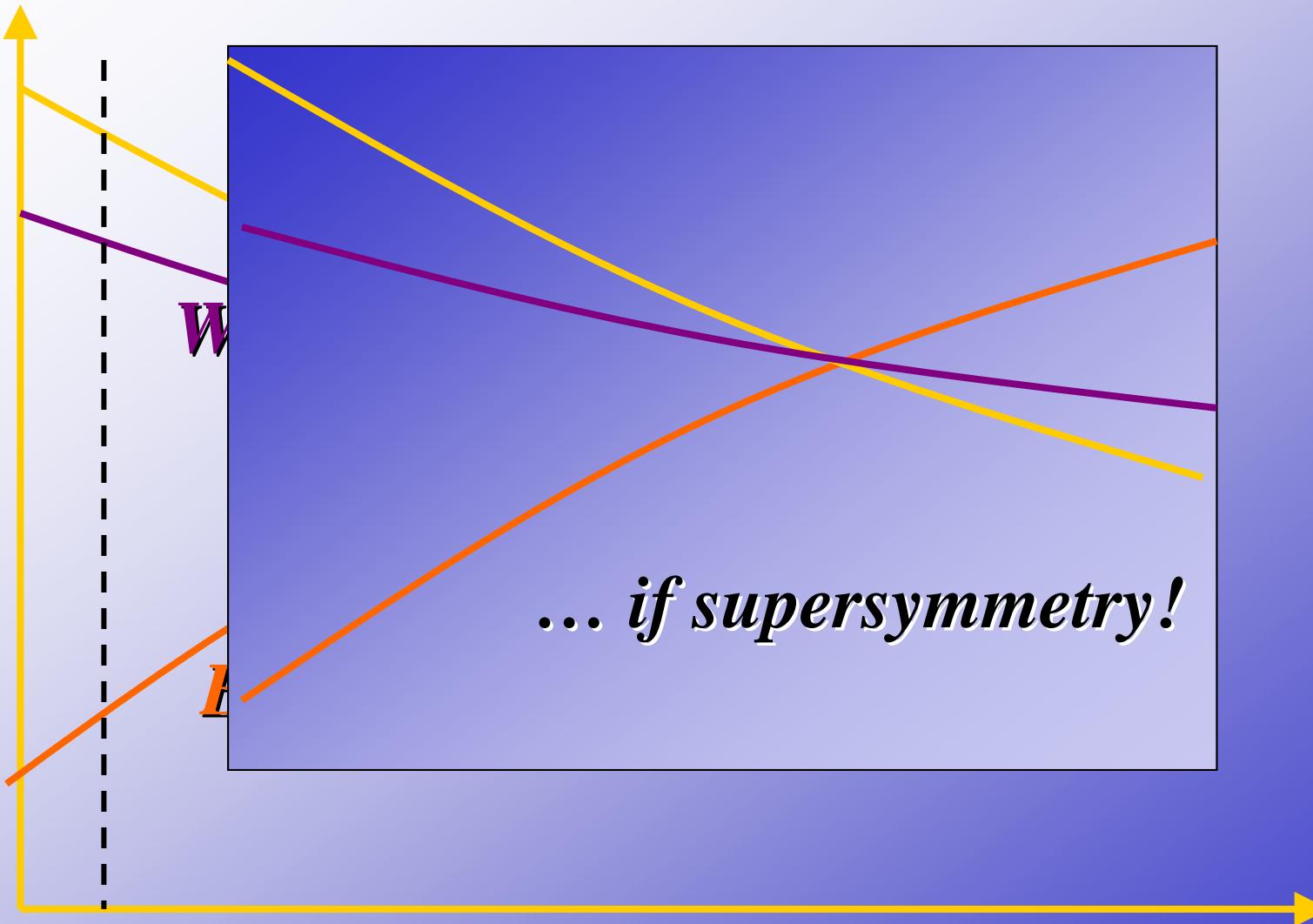
Predictions from string theory



Supersymmetry

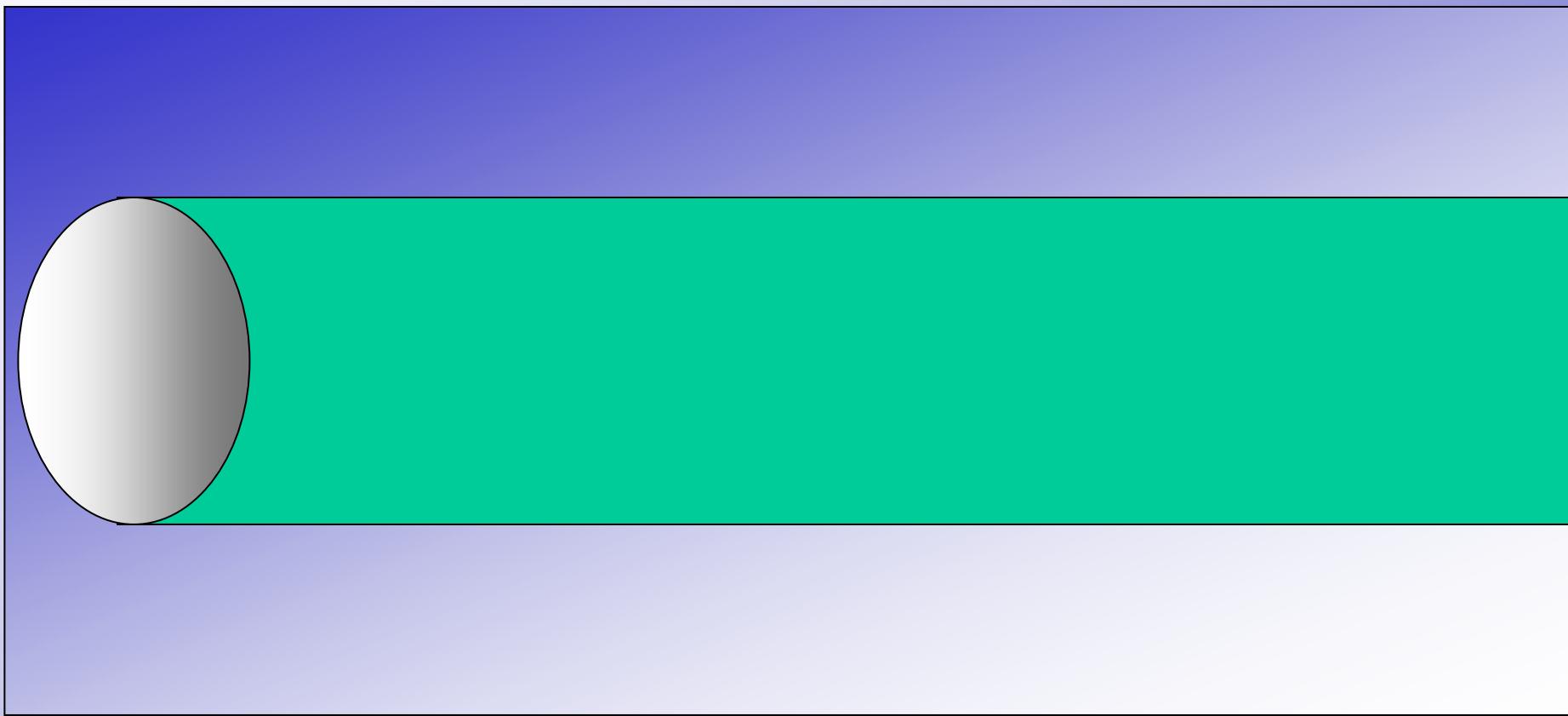


Strength



Energy

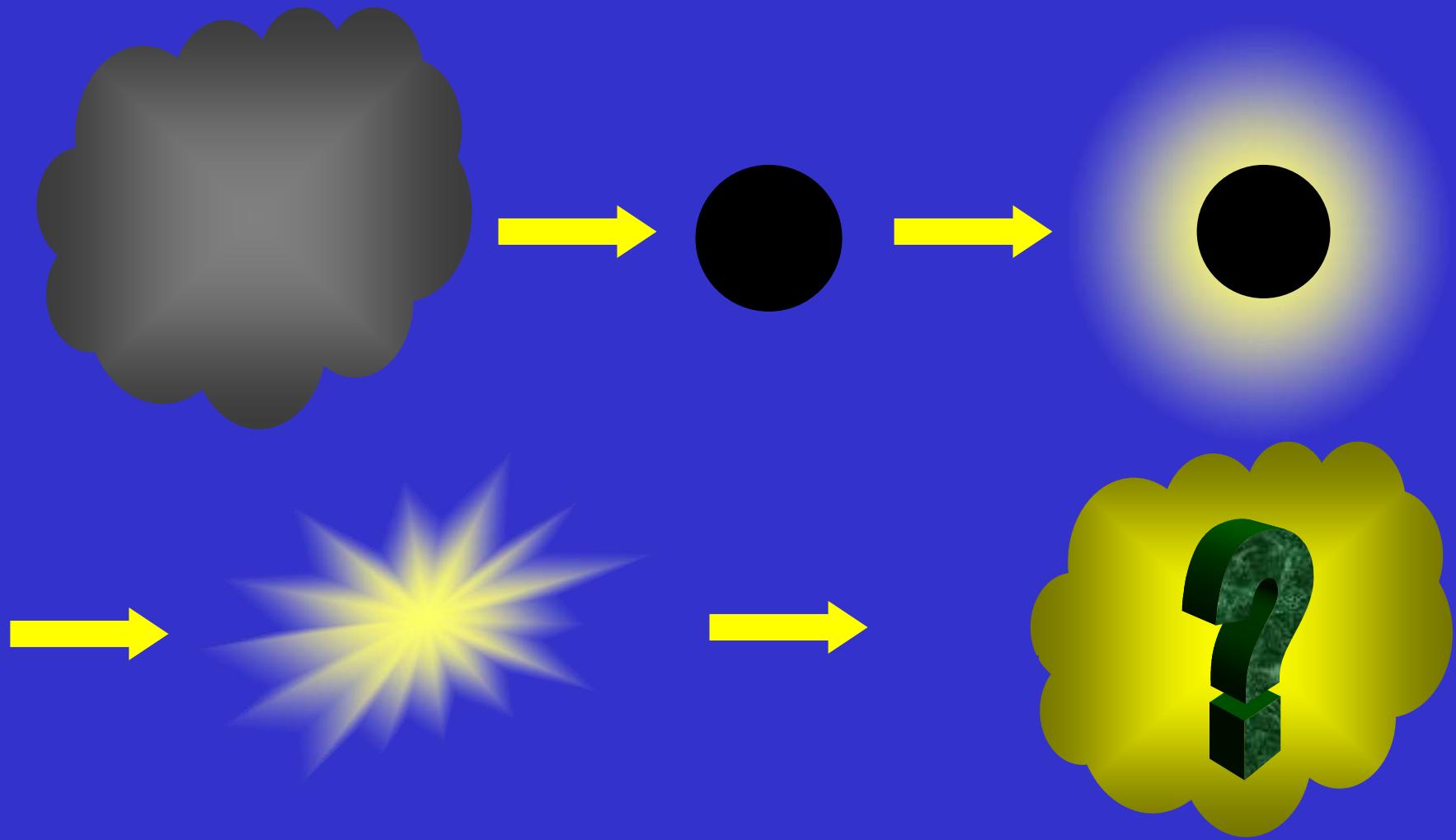
How to hide a dimension...





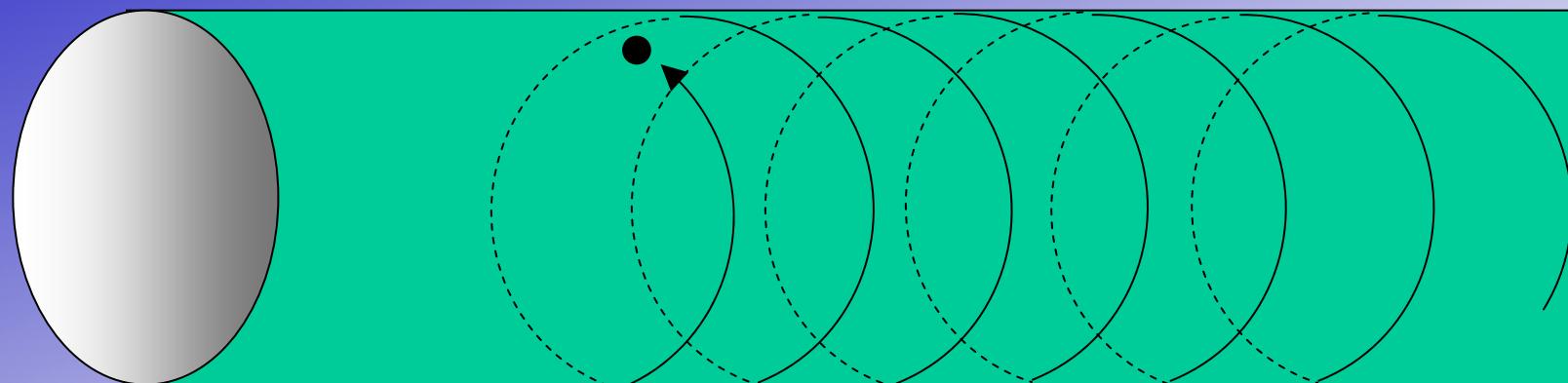
Not only strings!

Testing string theory



In theory...

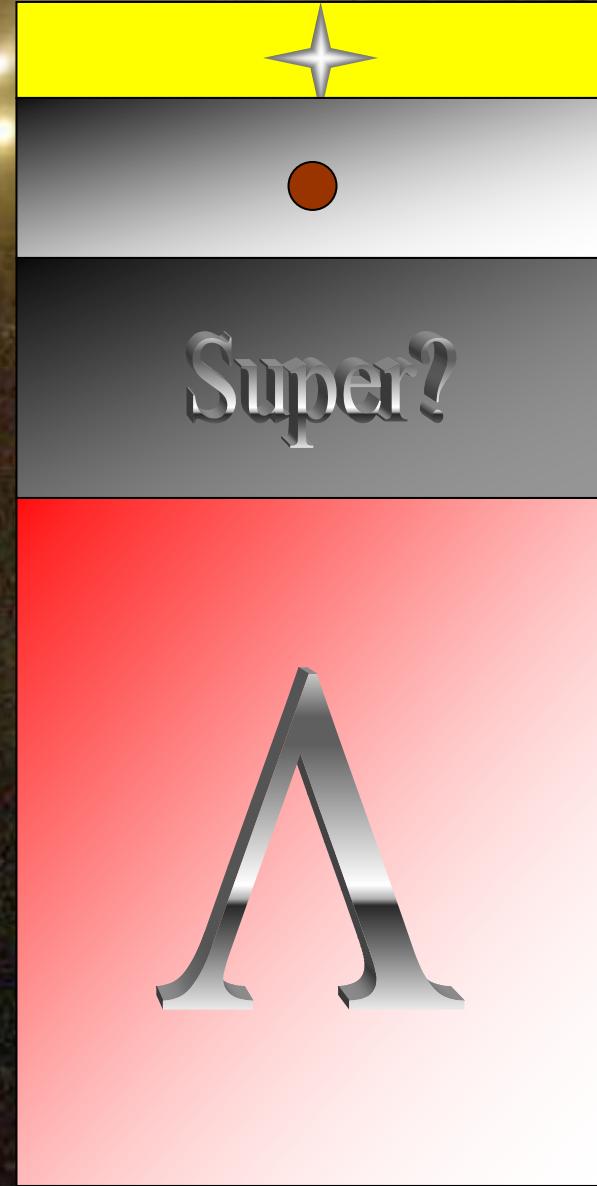
... and in experiments at LHC?

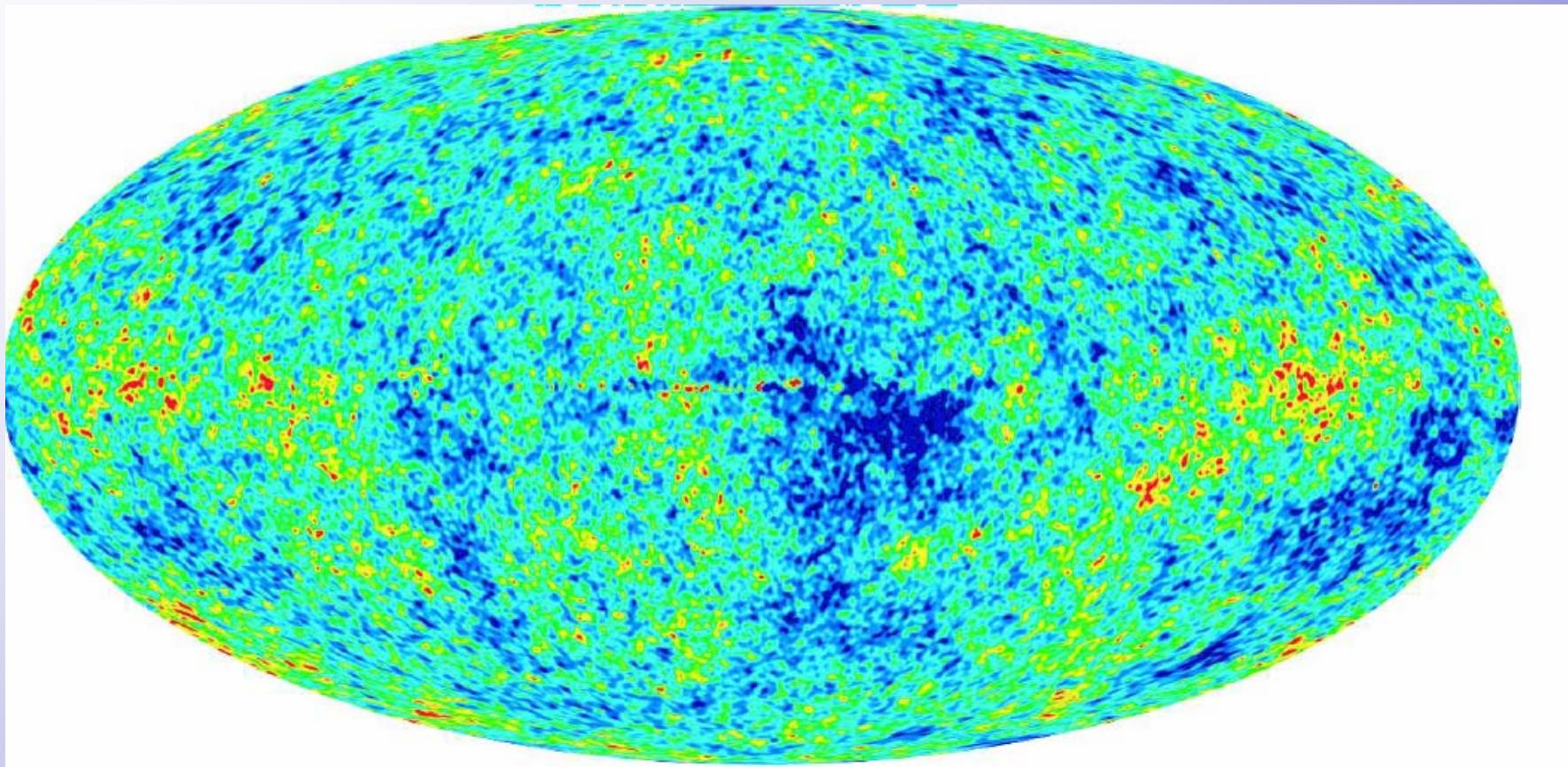




... or on the table top?

Strings in the sky





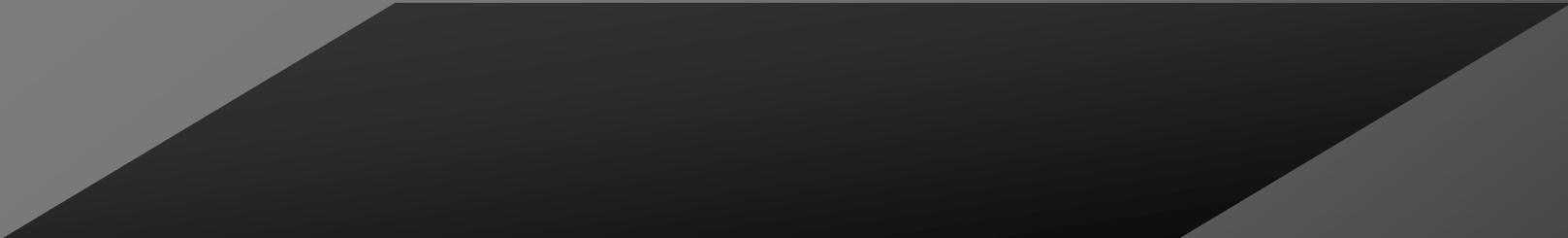
The universe at 300000 years

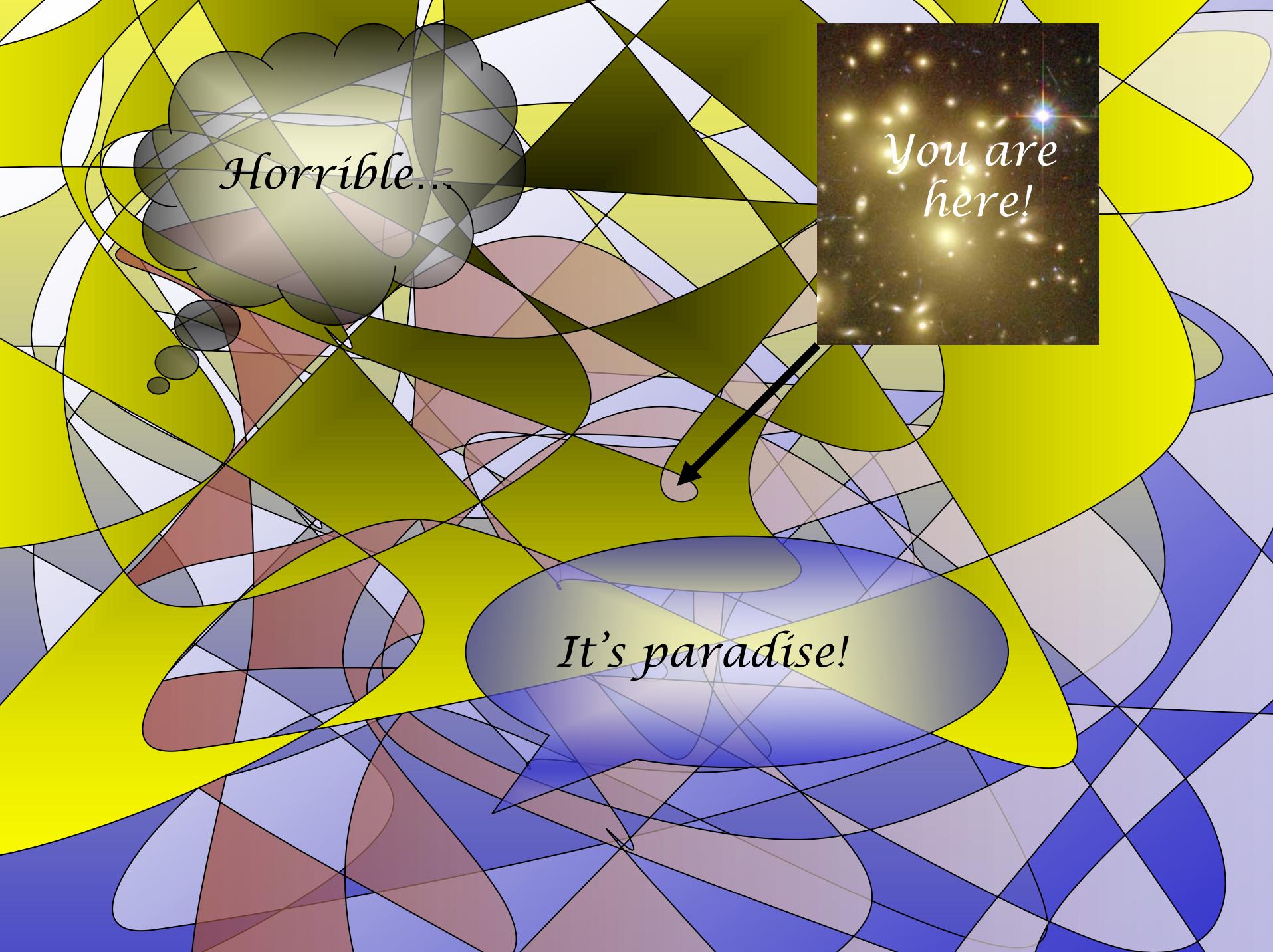


Microscopical quantum fluctuations

Inflation

Inflation from colliding branes!





Horrible...



*You are
here!*



It's paradise!