

Why Is It Dark? Simple answer It's dark because it's not light

More useful answer

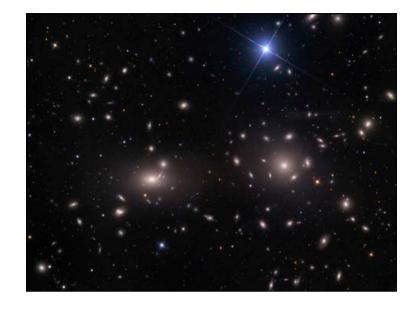
It does not behave the same way as 'ordinary' matter, which

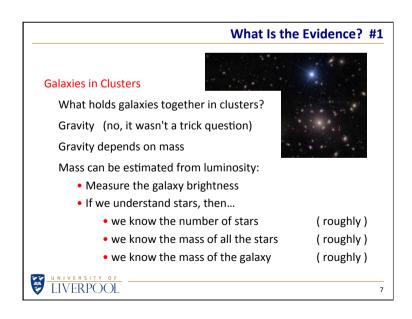
- interacts through the electromagnetic force
- emits and absorbs electromagnetic waves (light)
- can be detected through its interaction with light

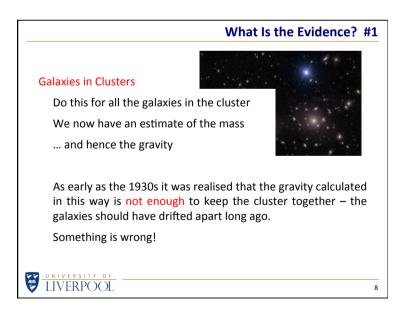
Dark matter does none of these

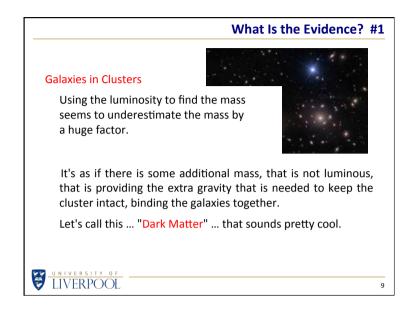


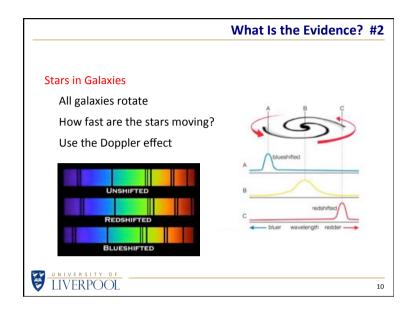
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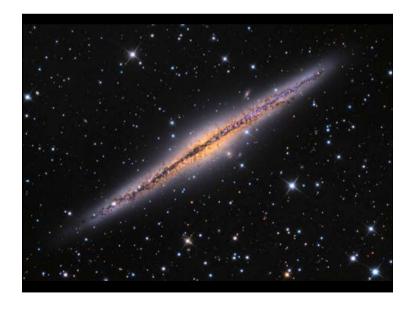


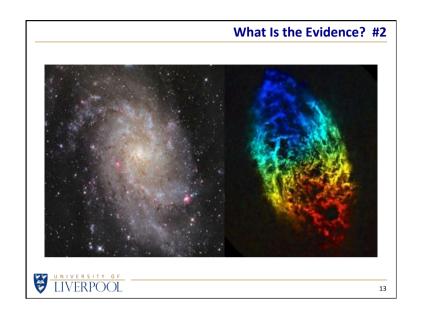


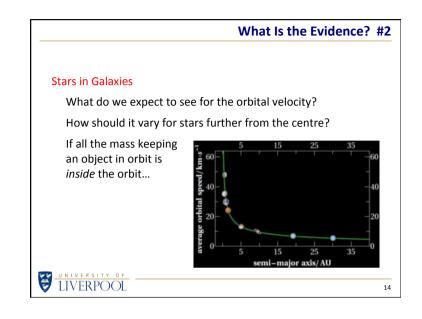


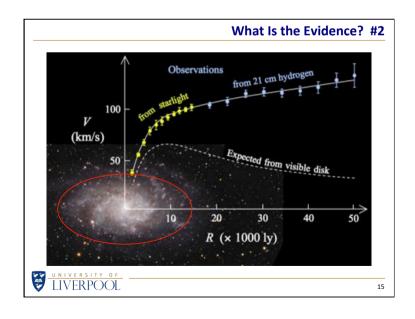


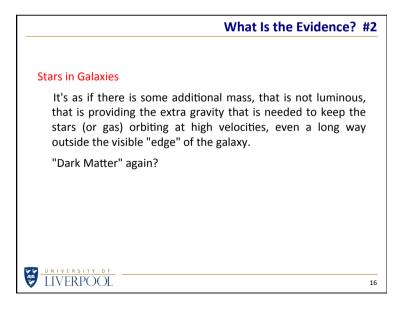


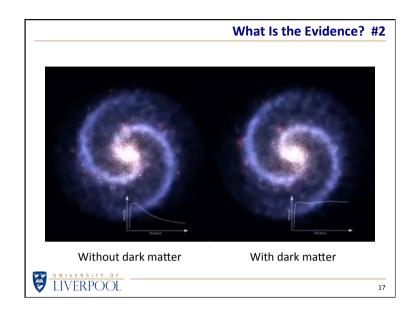


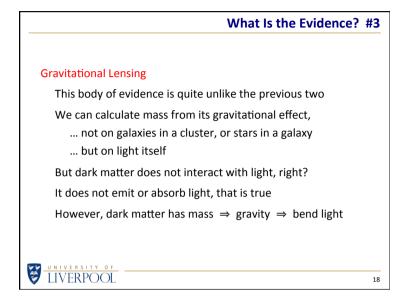


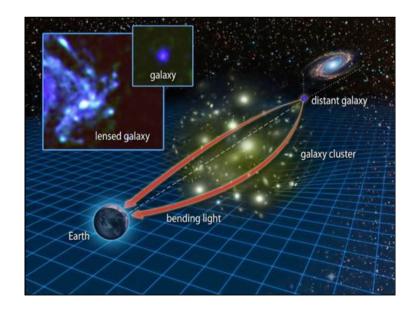


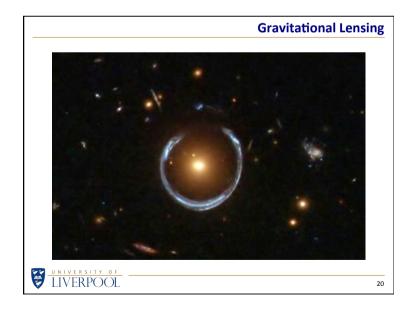


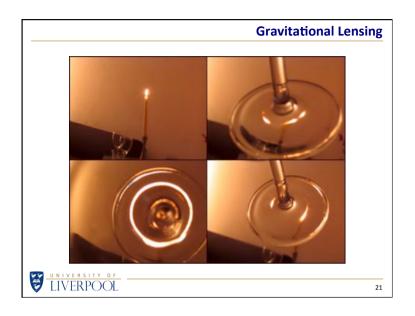


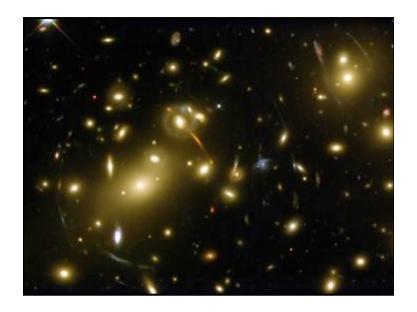












What Is the Evidence? #3

Gravitational Lensing

The (distorted) images ⇒ the mass distribution in the 'lens'

We find this is more than we can see in the lens

It's as if there is some additional mass, that is not luminous, that is providing the extra gravity that is needed to bend the light and produce the distorted images.

"Dark Matter" again?



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