Present and ultimate fate of the Milky Way

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Terrestrial view of the Milky Way

Credit: ESO
Alien view of the Milky Way

“We” are here
The Local Group

We are here

1 light year \( \approx 10^{13} \) km
Virgo Supercluster

We are here

40 million light years
Virgo Supercluster

We are here

Is this unique?
Courtesy of Chris Haines

XMM-Newton
Group #4

Group #3

Group #2

Herschel Space Observatory 2009-2013

Courtesy of Chris Haines
Stardust

Credit: ESA/NASA

3 light years
Why infrared?

105 light years

Optical

Herschel Space Observatory
Why Infrared?
Star formation and galaxy evolution

Younger Galaxies

Older Galaxies

Transitional Galaxies
Group #1

Group #2

Group #3

Group #4

Courtesy of Chris Haines
Group #1

Group #2

Group #3

Group #4

Courtesy of Chris Haines
Thank you!

Credit: ESO