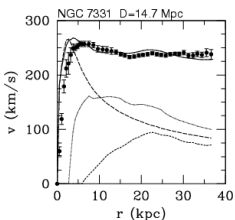
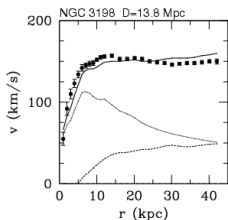
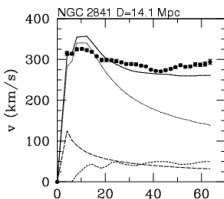
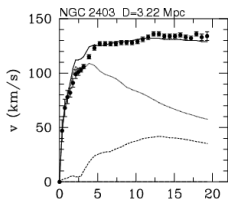


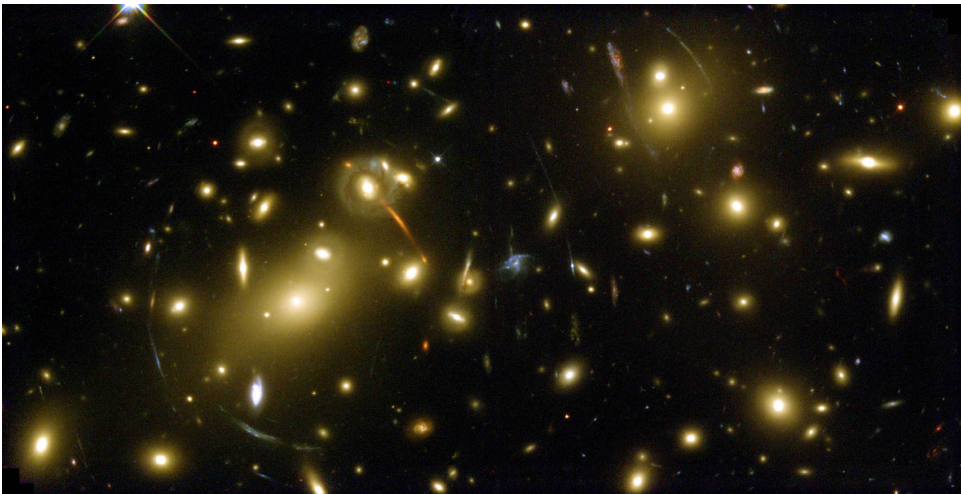
# Dunkle Materie

## ► Indiz 1 – Rotationskurven von Galaxien:



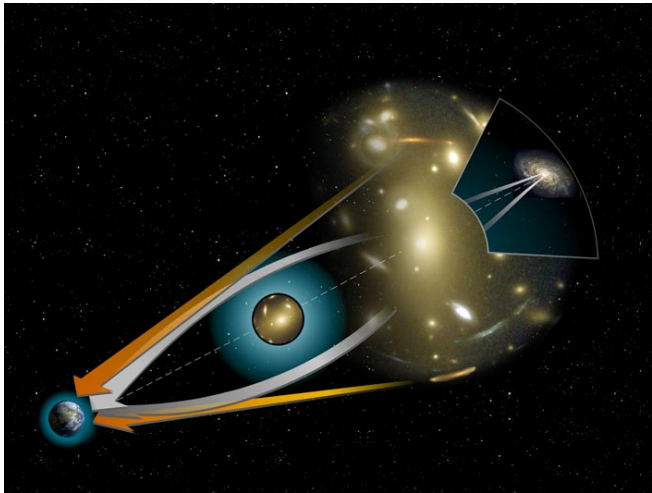
# Dunkle Materie

- ▶ Indiz 2 – Graviationslinseneffekt:



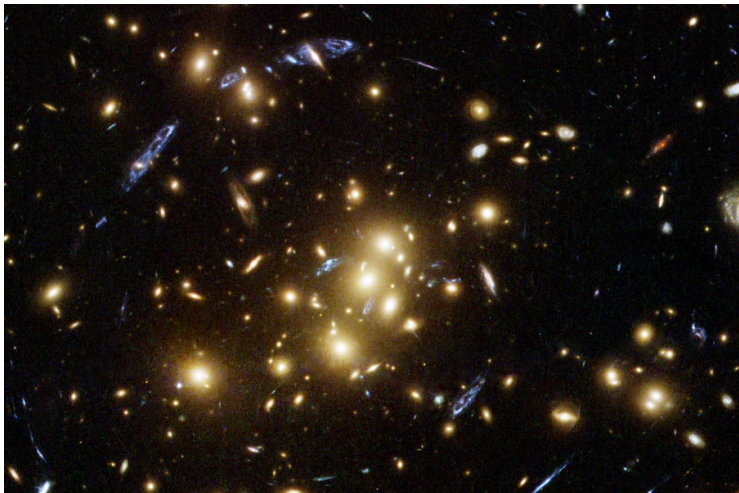
# Dunkle Materie

- ▶ Indiz 2 – Graviationslinseneffekt:



# Dunkle Materie

- ▶ Indiz 2 – Graviationslinseneffekt:





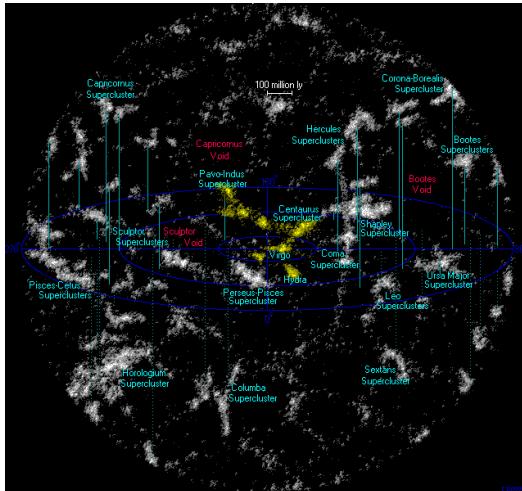
# Dunkle Materie

- ▶ Indiz 2 – Graviationslinseneffekt:



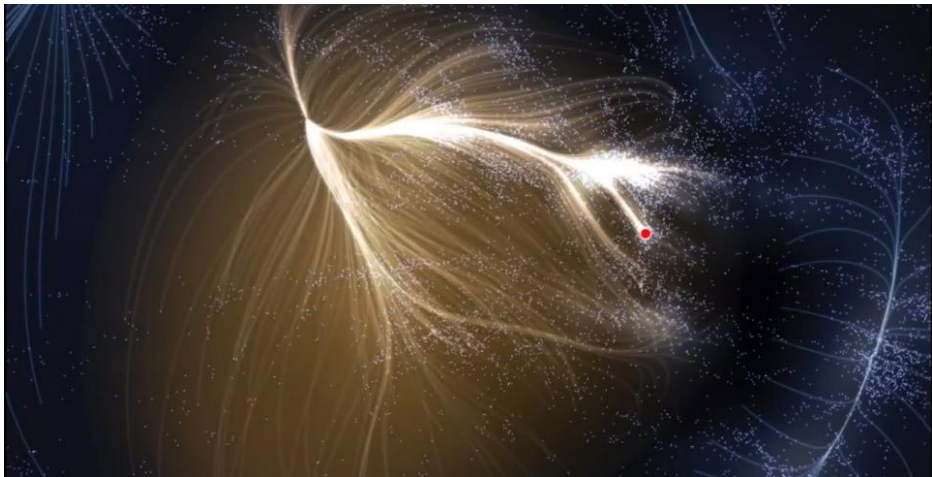
# Dunkle Materie

## ► Indiz 3 – Strukturbildung im Universum:



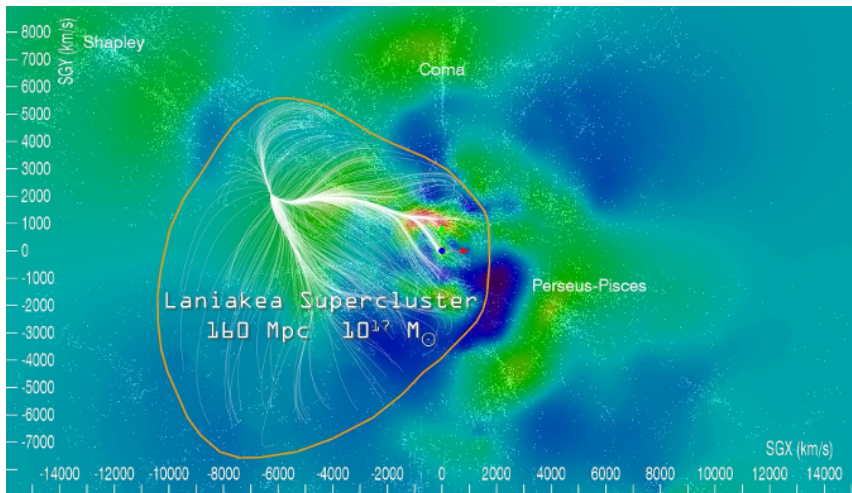
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- ▶ **Indiz 3** – Strukturbildung im Universum:



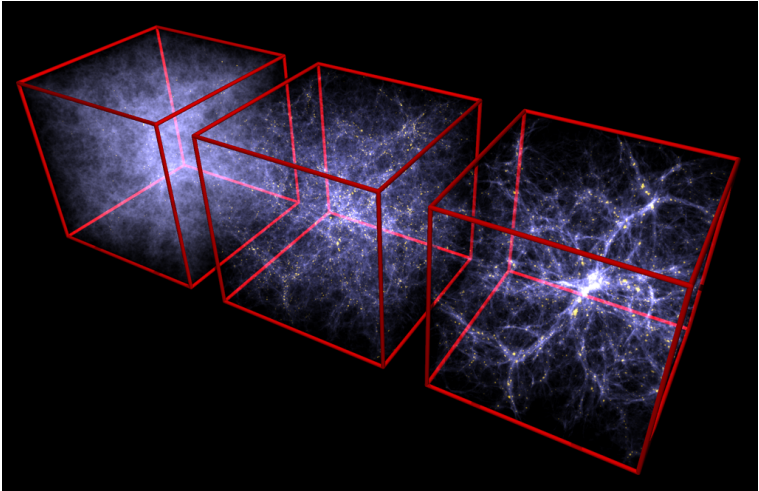
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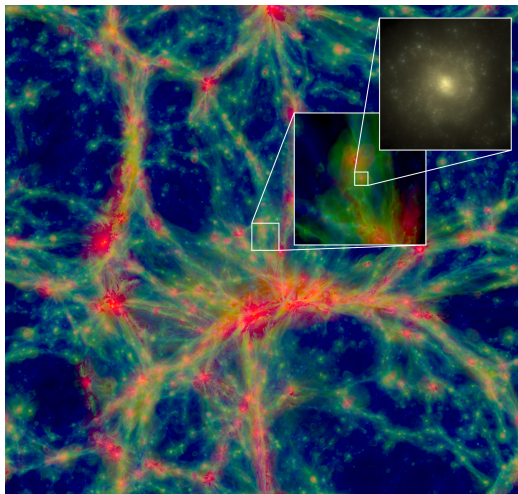
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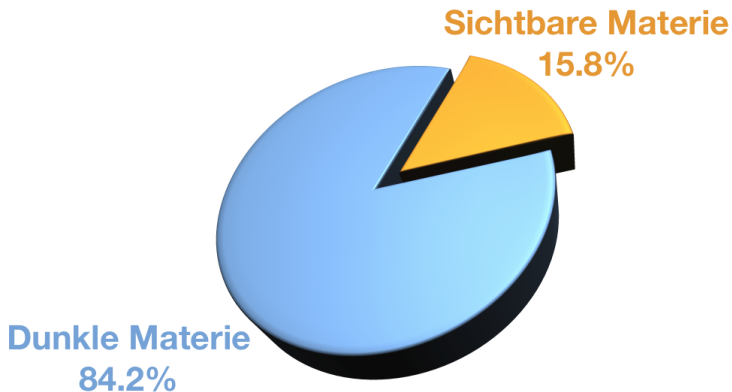
# Dunkle Materie

- ▶ Indiz 3 – Strukturbildung im Universum:



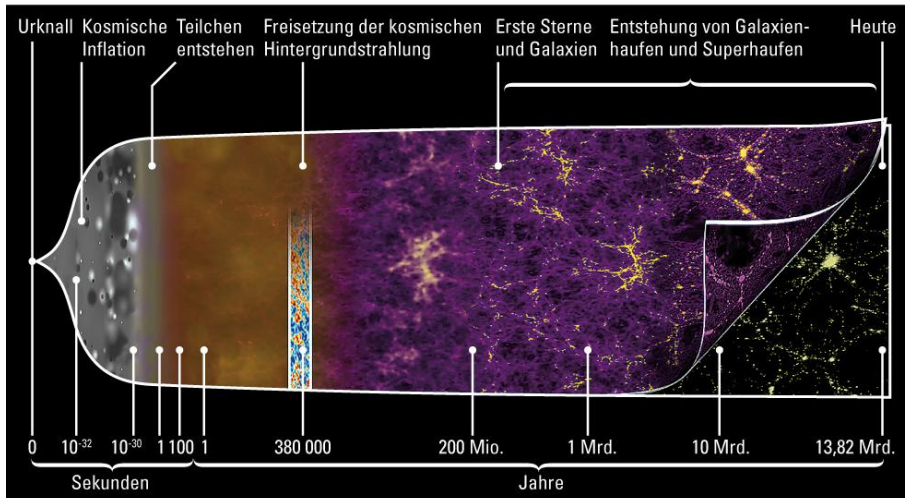
# Dunkle Materie

- ▶ Anteil der dunklen Materie an der Gesamtmasse des Universums:



# Kosmische Hintergrundstrahlung

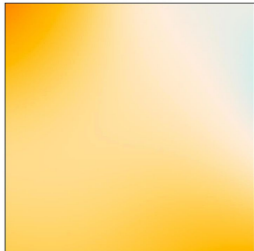
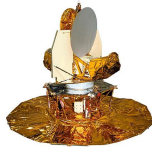
- ▶ Blick ins Universum ist ein Blick zurück in der Zeit:



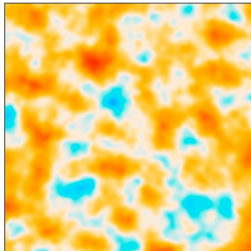


# Kosmische Hintergrundstrahlung

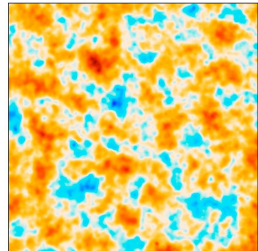
- ▶ Temperatur der Strahlung im Mikrowellenbereich:



COBE



WMAP



Planck