## Sources

Big bang/Quantum fluctuations in Early Universe

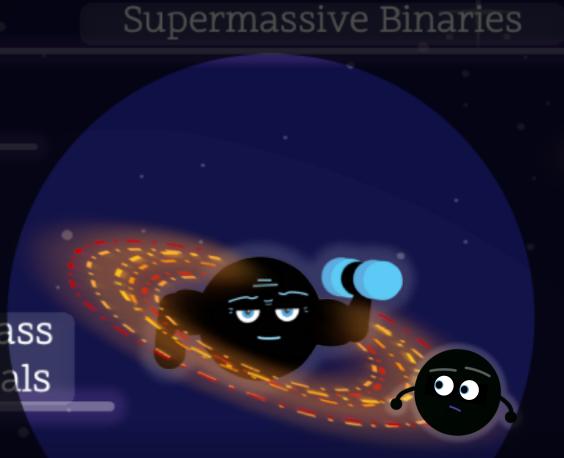
Compact

Compact Stellar-mass Binaries

Amin Boumerdassi - EMRI signal detection

Supernovae,
Rotating NS

Extreme mass ratio inspirals



Earth's size

Sun to Earth

Sun to Pluto

to Proxima Centauri

Milkyway Size

to Andromeda

Virgo supercluster size

Thousands

Millions

Billions

Trillions

Quadrillions

Quintillions

Sextillions

GW Wavelength (km)  $\rightarrow$ 

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Laura Burn

Supermassive Binaries

- SMBH GW signal modelling

Mehdi Zahraoui

Milkyway Size

to Andromeda

Virgo supercluster size

- Pulsar Timing Array SMBH GW Detection

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