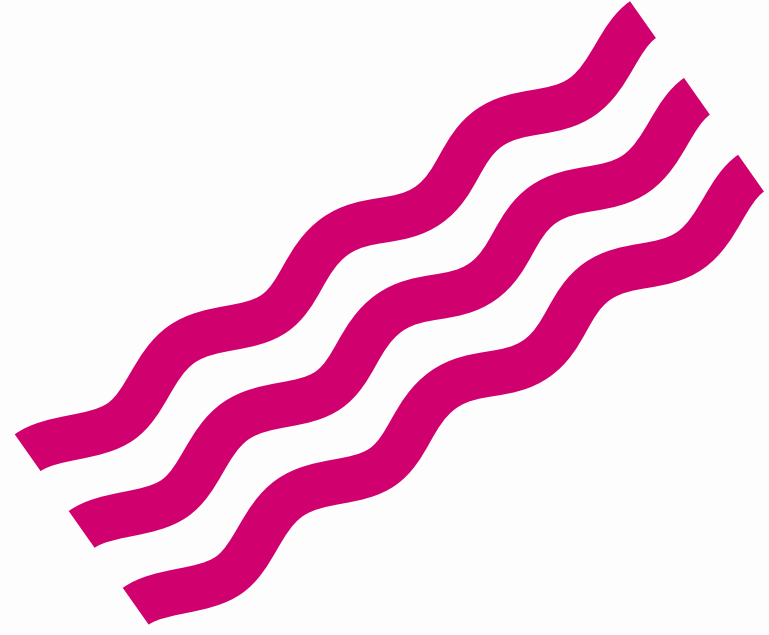
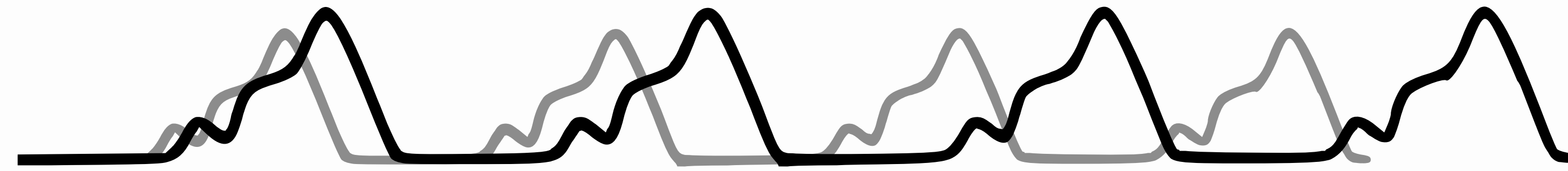
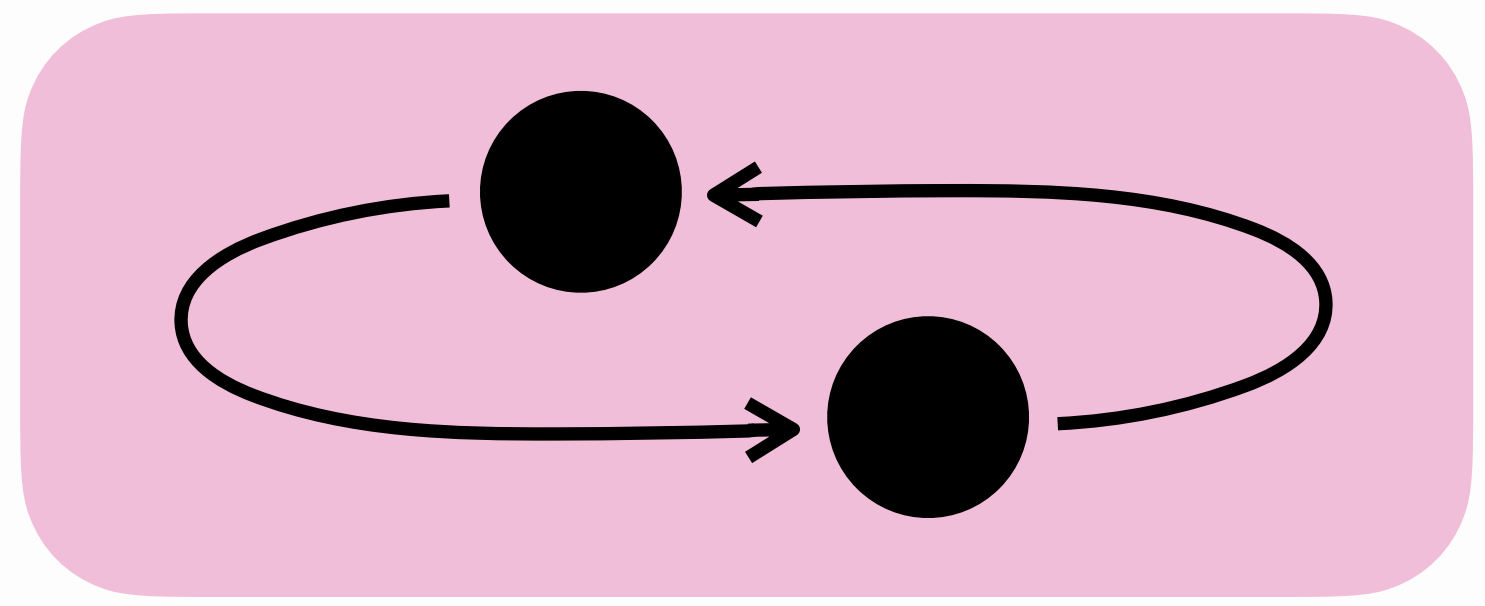
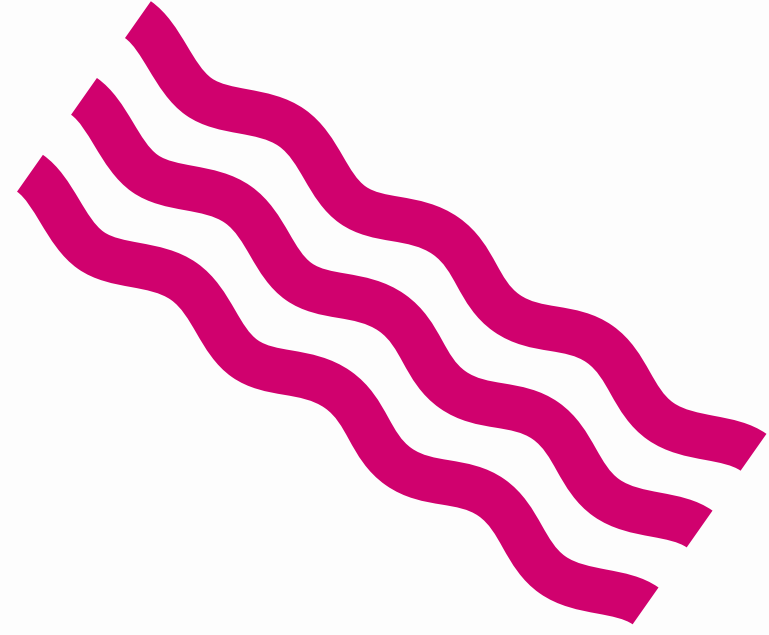


Pulses expected
from timing model

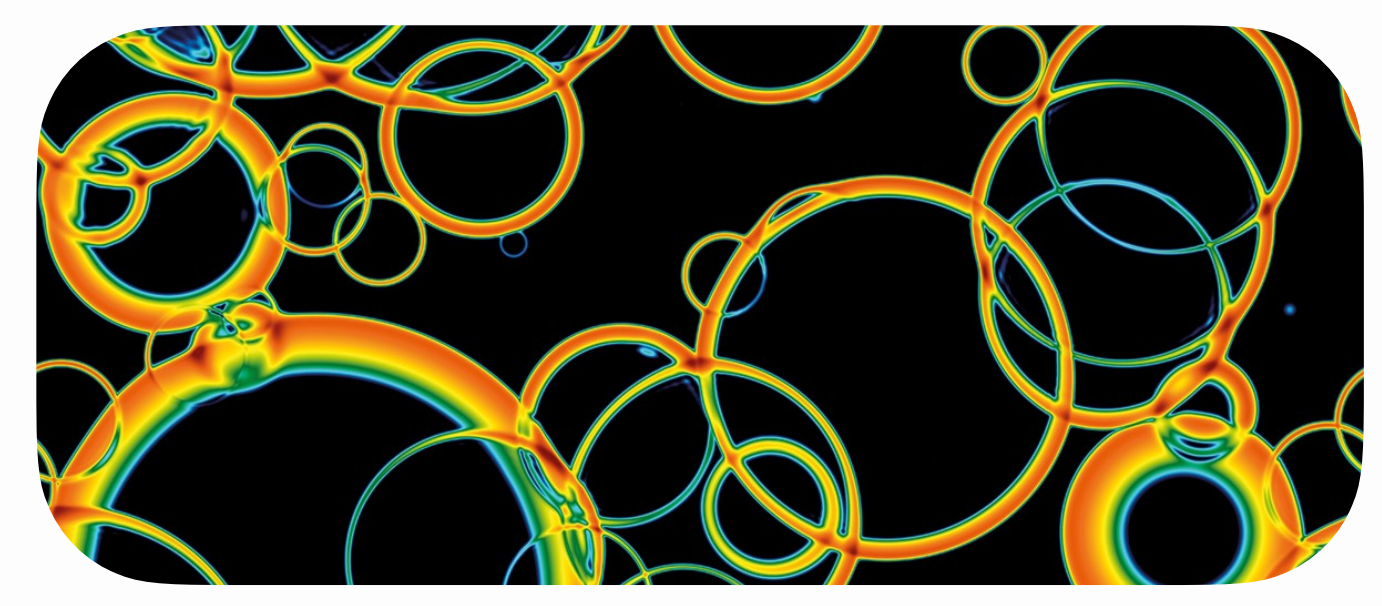
Pulses recorded by
radio telescopes



**Gravitational
Waves**



Black hole mergers



Phase transitions