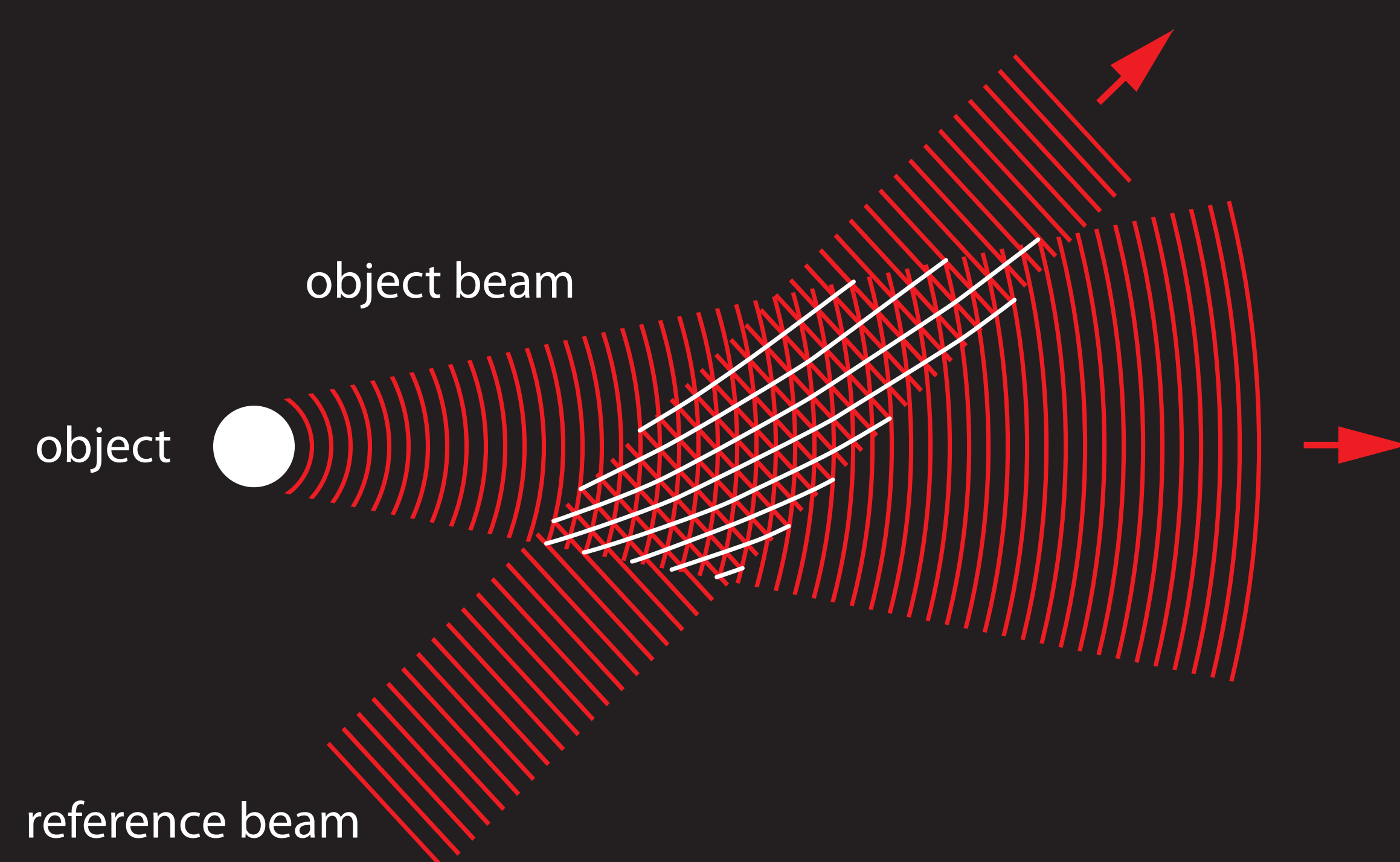
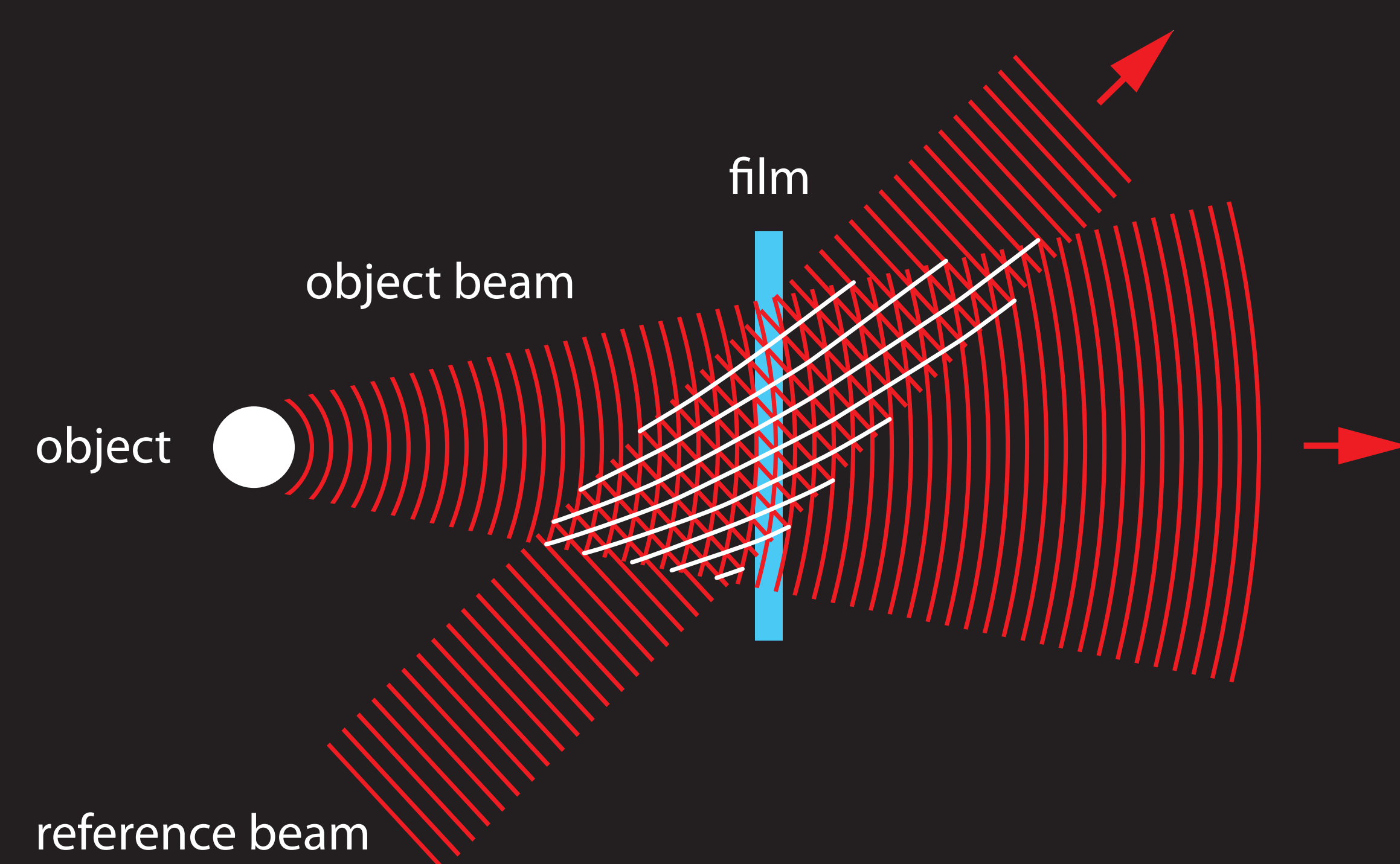


Recording a Hologram

A hologram is a record of the pattern formed when light waves interfere with each other.



Two laser beams—a reference beam and an object beam—intersect. Where they intersect, a pattern of bright and dark fringes, called an interference pattern, forms.



The holographic film is placed where the beams intersect. Because the film is sensitive to light, it is exposed by the higher intensity in the bright fringes.



The pattern of bright and dark fringes is now recorded on the film. The film may need to be developed or processed to produce the hologram, which is a record of the interference pattern.