

# Cherenkov effect

Contributed by Arnaud Marsollier  
Thursday, 02 September 2010  
Last Updated Thursday, 02 September 2010

The Cherenkov effect is a bluish cone light generated by high-energy particles, when they travel through matter with speed greater than the speed of light. This effect is the optical equivalent of a sonic boom, which occurs, for example, when a jet travels with a speed faster than the speed of sound...