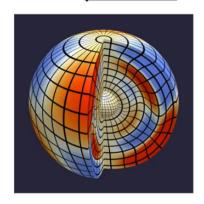
Observing the Solar Interior

The Sun undergoes periodic expansion and contractions known as pulsations

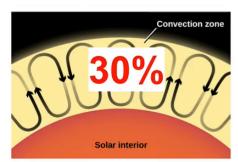
Careful study of these pulsations allows us to infer the physical conditions inside the Sun helioseismology

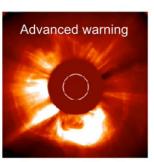


Raymond Davis' experiment at Homestake mine (Lead, SD) first detected neutrinos from the Sun's core

> Big surprise: only 1/3 the expected number found!

Things we can learn from helioseismology





The Sudbury neutrino observatory found the missing neutrinos — they had converted to other "flavors" that Homestake couldn't detect Neutrinos must have

mass!

