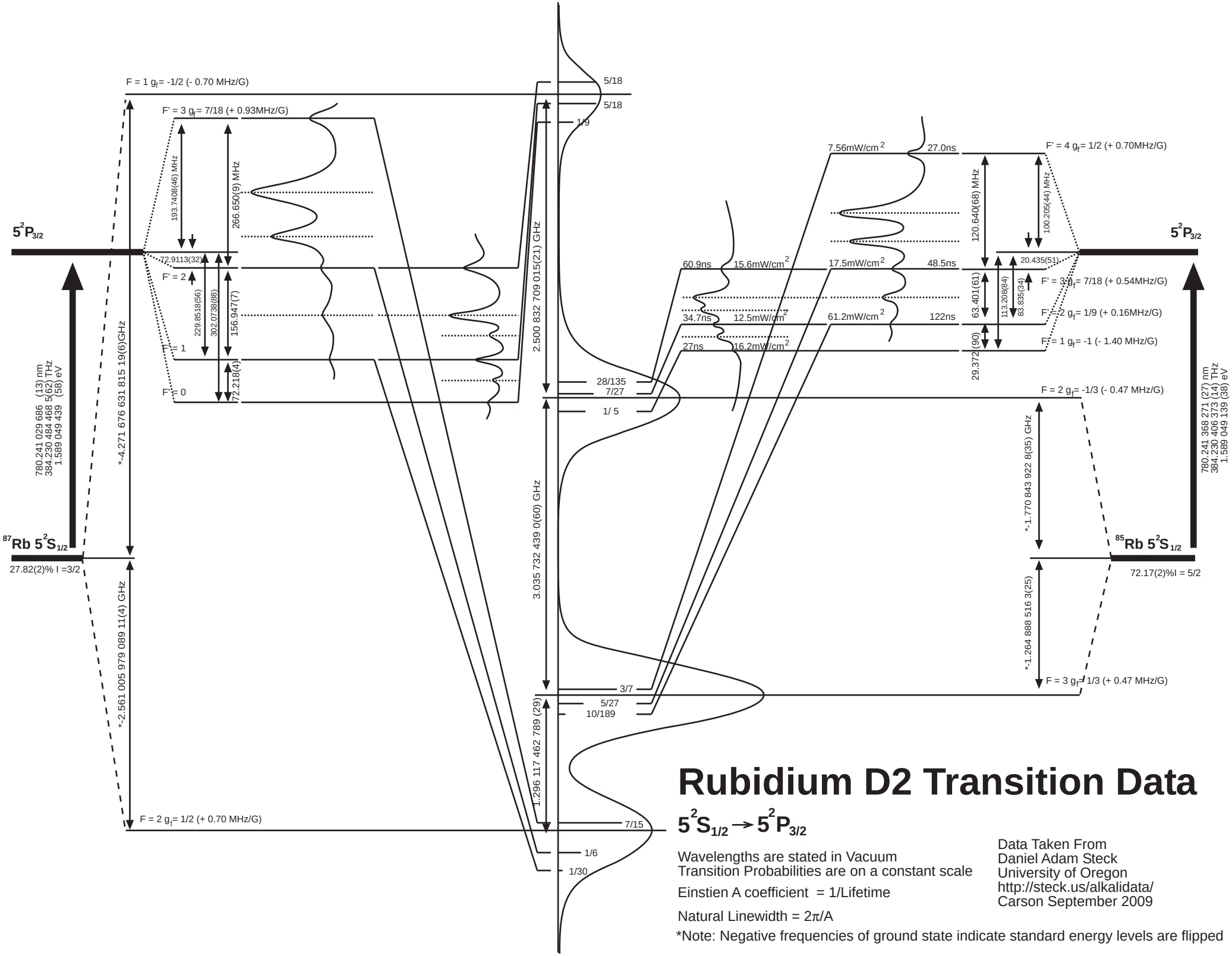

Rubidium D2 Transition Data

$5^2S_{1/2} \rightarrow 5^2P_{3/2}$

Wavelengths are stated in Vacuum
Transition Probabilities are on a constant scale

Einstien A coefficient = 1/Lifetime

Natural Linewidth = $2\pi/A$

Data Taken From
Daniel Adam Steck
University of Oregon
http://steck.us/alkalidata/
Carson September 2009

*Note: Negative frequencies of ground state indicate standard energy levels are flipped