### Particle Masses



### The Confused T2K Neutrino



V<sub>e</sub> t>0 t=0

## **Neutrino Oscillation**



### The Brilliant Disappearing Neutrino





# **Impressionistic Science**



- Particle physics is probabilistic.
- Need to view particles in situations many times.
- Need to view them in many different situations to understand their true Nature.
- Are the die loaded or true?