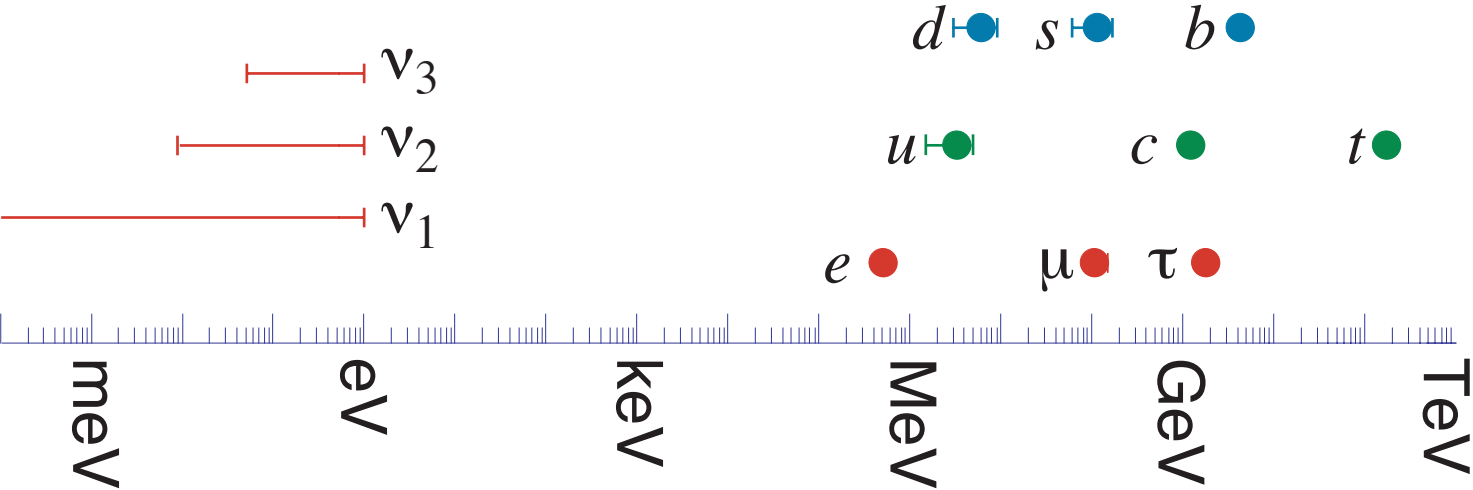masses of matter particles