

Abstract Submitted
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It may be possible to use Speech Recognition Algorithms to sort through Particle Detection RICHARD KRISKE, University of Minnesota — There are some similarities between recognizing speech and written language and in recognizing Particle interaction and decays. In the Viterbi Algorithm or speech recognition, a target word is recursively compared with the unknown utterance. Say one remembered the word Motion in a song and wanted to find that song. First the letter M is typed in and the most common words with M show up say it is the word "Menards", then an "O" is typed in and statistically the most common word is now "Movies", now the "t" is typed in and the most common word is "Motley Crue" finally all the letters are typed in and the song that matches is "Motion Lyrics". We all recognize the Algorithm and perhaps a few have realized that this Algorithm could also be applied to Decay Chains in Particle Scattering and Detection. Also there may come a day when perhaps Neutrinos were transmitted with the purpose of Communication, one system would be to use a type of "Morse Code", but another could be to use Decay Chains themselves. Perhaps the sender could tune the Energy such that the information received would rely on the Energy being transmitted, since it may be that only a few of the particles are received, too few for "Morse Code" to work.

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