

Spectral Analysis of Low Gamma Frequency Band During Arm Reaching Movement

Bridge UnderGrad Science (BUGS) Summer Research Program

Abstract

The hippocampus, a brain structure situated in the temporal lobe of during a reaching task¹. The investigation of the low gamma the collected data using MATLAB, a data analysis program. spike in power within the low gamma frequency band during movement planning and execution.

hippocampus during voluntary movement.



characterized by the absence of visual stimuli. Participants are center of the screen. Participants are directed to gaze at the dot pseudorandom order, with 8 trials per target. Participants are as soon as it appears. The time elapsed between the target's LED-backlit screen with a resolution of 1920 × 1080 pixels and a

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Trial Averaged Spectral Density in Fixation and Go Phases in the Hippocampus



