

Processing Mild versus Strong Violations in Music: A Pilot Study Using Event-Related Potentials

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Abstract : Event-related potentials (ERPs) provide evidence that the human brain can process and understand music at a pre-attentive level. Music-specific ERPs include the Early Right Anterior Negativity (ERAN) and a late Negativity (N5). This study aims to further investigate this issue using two types of syntactic manipulations in music: mild violations, containing no out-of-key tones and strong violations, containing out-of-key tones. We will examine whether both manipulations will elicit the same ERPs.

Keywords : ERAN ERPs, Music, N5, P3, ERPs, Music, N5 component, P3 component

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