



N_1 The first deflection of the waveform *above* the horizontal.

P_2 The second deflection of the waveform *below* the horizontal.

--- Attend right ear

— Attend left ear

Figure 4.13: Modulation of early ERP components by attention. The response to the stimulus is enhanced when it is presented in the attended location as compared with when it is not. Left: For example, the amplitude of the N_1 is greater to a left-ear tone when the individual is attending to the left ear (solid line) than when the same tone is heard but the individual is attending to the right ear (dotted line). Right: Likewise, the response to a right-ear tone is greater when the right ear is attended to (dotted line) than when the left ear is attended to (solid line). The difference between these two waveforms (shaded blue) is the N_d component. This effect begins relatively soon after stimulus presentation, within the first 100 milliseconds.