

N5 literature review

paper	N	expertise	contrast	twin	test	effect size	electrodes
Koelsch et al. (2000) Exp. 3	18	non-musicians	in-key > deviant chords (task-relevant 5 th position)	550-610 ms	2-factors ANOVA (chord type x lateralization)	eta-squared = 0.196	frontal (Fz, F7,F3,F4, F8,FT7,FT8)
Koelsch et al. (2000) Exp. 1	18	non-musicians	in-key > deviant chords (task-irrelevant 5 th position)	550-610 ms	2-factors ANOVA (chord type x lateralization)	eta-squared = 0.530	frontal (Fz, F7,F3,F4, F8,FT7,FT8)
Koelsch, Schroger, Gunther, 2002, Exp1	18	non-musicians	in-key > deviant chords (task-irrelevant 5 th position)	400-600 ms	4-factors ANOVA (chord type x position x hemi x ant-post)	eta-squared = 0.541	frontal (Fz, F7,F3,F4, F8,FC3,FC4, C3,Cz,C4)
Koelsch, Schroger, Gunther, 2002, Exp2	18	non-musicians	in-key > deviant chords (task-relevant 5 th position)	400-600 ms	n.s.	n.s.	
Steinbeis & Koelsch (2007)	26	non-musicians	in-key > deviant chords (task-irrelevant 5 th position)	600-800 ms	3-factors ANOVA (chord type x hemi x ant-post)	eta-squared = 0.266	frontal (F5, F3,F4,F6, FC3,FC4, FC5,FC6)
Poulin-Charronnat, Bigand, Koelsch (2006)	19 vs. 21	non-musicians vs. musicians	in-key > deviant chords (task-irrelevant 5 th position)	500-700 ms	n.s. vs. 5-factors ANOVA (expertise x hemi x context x harmonic function x antpost)	n.s. vs. eta-squared = 0.475	frontal (F5, F3,F4,F6, FC3,FC4, FC5,FC6)
Jentschke, Koelsch (2009)	20 vs. 21	untrained vs. trained children	in-key > deviant chords (5 th position)	400-800 ms	4-factors ANOVA (regularity x group x hemi x attention)	eta-squared = 0.004	frontal (F3, F4,F7,F8, FC3,FC4)

$$\text{eta-squared} = (F * df \text{ effect}) / (F * df \text{ effect} + df \text{ error})$$

Lakens, D. (2013). Calculating and reporting effect sizes to facilitate cumulative science: a practical primer for t-tests and ANOVAs. *Frontiers in psychology*, 4, 863.

P3 literature review

paper	N	expertise	contrast	twin	test	effect size	electrodes
Janata (1995)	23	musicians	dissonant > minor > tonic resolution (5 th position)	360-680 ms	repeated measures ANOVA main effect of resolution	eta-squared amplitude = 0.213 eta-squared latency = 0.216	central-posterior (C3,C4,Cz,T5,P3,Pz)

$\eta^2 = (F * df \text{ effect}) / (F * df \text{ effect} + df \text{ error})$

Lakens, D. (2013). Calculating and reporting effect sizes to facilitate cumulative science: a practical primer for t-tests and ANOVAs. *Frontiers in psychology*, 4, 863.