

Table S1: rANOVA results for Errors vs. Hits (response-locked data). * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$.

Theta-Band Results (4-7Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,105)	<i>p</i>	<i>F</i> (1,105)	<i>p</i>	<i>F</i> (2,210)	<i>p</i>	<i>F</i> (2,210)	<i>p</i>
<i>Theta</i>	148.8	****	8.8	**	66.6	****	1.9	ns

<i>Follow-up Tests</i>	Trial Type		Trial Type x Electrode	
	<i>F</i> (1,48)	<i>p</i>	<i>F</i> (2,96)	<i>p</i>
<i>Control Participants</i>	78.2	****	36.8	****
<i>Patient Participants</i>	<i>F</i> (1,57)	<i>p</i>	<i>F</i> (2,114)	<i>p</i>
	66.5	****	28.6	****

Alpha-Band Results (8-12Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,105)	<i>p</i>	<i>F</i> (1,105)	<i>p</i>	<i>F</i> (2,210)	<i>p</i>	<i>F</i> (2,210)	<i>p</i>
<i>Alpha</i>	25.4	****	<1	ns	14.2	****	<1	ns

Table S2: rANOVA results for Previous Errors vs. Previous Correct trials (stimulus-locked data).
 * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$.

Theta-Band Results (4-7Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,114)	<i>p</i>	<i>F</i> (1,114)	<i>p</i>	<i>F</i> (2,228)	<i>p</i>	<i>F</i> (2,228)	<i>p</i>
<i>Theta</i>	29.9	****	5.2	*	33.5	****	1.1	ns

<i>Follow-up Tests</i>	Trial Type		Trial Type x Electrode	
	<i>F</i> (1,52)	<i>p</i>	<i>F</i> (2,104)	<i>p</i>
<i>Control Participants</i>	26.7	****	22.7	****
<i>Patient Participants</i>	<i>F</i> (1,62)	<i>p</i>	<i>F</i> (2,124)	<i>p</i>
	5.8	*	12.0	****

Alpha-Band Results (8-12Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,114)	<i>p</i>	<i>F</i> (1,114)	<i>p</i>	<i>F</i> (2,228)	<i>p</i>	<i>F</i> (2,228)	<i>p</i>
<i>Alpha</i>	7.4	**	<1	ns	9.8	****	4.0	*

<i>Follow-up Tests</i>	Trial Type		Trial Type x Electrode	
	<i>F</i> (1,52)	<i>p</i>	<i>F</i> (2,104)	<i>p</i>
<i>Control Participants</i>	6.0	*	10.0	**
<i>Patient Participants</i>	<i>F</i> (1,62)	<i>p</i>	<i>F</i> (2,124)	<i>p</i>
	2.4	ns	1.6	ns

Table S3: rANOVA results for Incongruent-Incongruent vs. Congruent-Incongruent trials (stimulus-locked data). * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$.

Theta-Band Results (4-7Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,113)	<i>p</i>	<i>F</i> (1,113)	<i>p</i>	<i>F</i> (2,226)	<i>p</i>	<i>F</i> (2,226)	<i>p</i>
<i>Theta</i>	26.9	****	<1	ns	11.0	****	<1	ns

Alpha-Band Results (8-12Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,113)	<i>p</i>	<i>F</i> (1,113)	<i>p</i>	<i>F</i> (2,226)	<i>p</i>	<i>F</i> (2,226)	<i>p</i>
<i>Alpha</i>	1.3	ns	<1	ns	1.9	ns	<1	ns

Table S4: rANOVA results for Slow Congruent Hits vs. Fast Congruent Hits (stimulus-locked data). * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$.

Theta-Band Results (4-7Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,124)	<i>p</i>	<i>F</i> (1,124)	<i>p</i>	<i>F</i> (2,248)	<i>p</i>	<i>F</i> (2,248)	<i>p</i>
<i>Theta</i>	4.5	*	<1	ns	5.9	**	<1	ns

Alpha-Band Results (8-12Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,124)	<i>p</i>	<i>F</i> (1,124)	<i>p</i>	<i>F</i> (2,248)	<i>p</i>	<i>F</i> (2,248)	<i>p</i>
<i>Alpha</i>	16.2	****	1.1	ns	1.7	ns	<1	ns

Table S4: rANOVA results for Slow Congruent Hits vs. Fast Congruent Hits (stimulus-locked data). * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$.

Theta-Band Results (4-7Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,124)	<i>p</i>	<i>F</i> (1,124)	<i>p</i>	<i>F</i> (2,248)	<i>p</i>	<i>F</i> (2,248)	<i>p</i>
<i>Theta</i>	4.5	*	<1	ns	5.9	**	<1	ns

Alpha-Band Results (8-12Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,124)	<i>p</i>	<i>F</i> (1,124)	<i>p</i>	<i>F</i> (2,248)	<i>p</i>	<i>F</i> (2,248)	<i>p</i>
<i>Alpha</i>	16.2	****	1.1	ns	1.7	ns	<1	ns

Table S5: rANOVA results comparing Slow Congruent Hits vs. Fast Congruent Hits (stimulus-locked data) in participants with schizophrenia as a function of total SAPS scores (median split). * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$.

Alpha-Band Results (8-12Hz)

<i>Omnibus rANOVA</i>	Trial Type		Trial Type x Group		Trial Type x Electrode		Trial Type x Group x Electrode	
	<i>F</i> (1,52)	<i>p</i>	<i>F</i> (1,52)	<i>p</i>	<i>F</i> (2,104)	<i>p</i>	<i>F</i> (2,104)	<i>p</i>
<i>Alpha</i>	10.4	**	3.8	0.056	2.8	ns	<1	ns

<i>Follow-up Tests</i>	Trial Type		Trial Type x Electrode	
	<i>F</i> (1,25)	<i>p</i>	<i>F</i> (2,50)	<i>p</i>
<i>Patients with Low SAPS</i>	8.9	**	<1	ns
<i>Patients with High SAPS</i>	<i>F</i> (1,27)	<i>p</i>	<i>F</i> (2,54)	<i>p</i>
	1.4	ns	3.3	ns