

- · Corollary discharges are neura suppress the neural responses
- Recent evidence suggests that corollary discharge, which can the event-related potential (ERI While corollary discharge for in

inner speech (3,4), it is unknov inner speech.

Our study examined w

corollary discharge me

	I			п	
			Ţ		
	Ticker-Tape	32	1		
	Fixat IV	ion	Target	v	
	3	2		3	
B	Figure 1: Expertimental stimuli!				
	audible phoneme occurred as th				
	Listen (L Listen	-LUNIP isten) sten	Speech	3 <u>}</u> <u>}</u>	
	2 (2)	(@	ba	(4)	
	1.1st Pri	enott AP			

Figure 2: (Liper)mental conditions. B

Figure 1

Internal-F

Note. Ar

copy of tl

while sim discharge

then compa

suppressed (

(due to alter

Figure 2

Corollary D.





-5

0 (µV)

N1 suppression is evident. However, if predicted auditory consequences are inconsistent (mismatch) with auditory feedback, N1 amplitude is intensified. Corollary discharge's role in N1 suppression of self-produced speech is consistent with leading models of motor control, such as the internal-forward model (Wolpert et al., 1996; Shadmehr et al., 2010)

and overt rstanding the

how the

y in auditory-

izophrenia.



[4] Jack, B. N. et al.,

Figure 3