

Activation of the left superior temporal gyrus of musicians by music-derived sounds

Supplemental Digital Content

Behavioral experiment

Composer	Title	Bar range of excerpt 1*	Bar range of excerpt 2* for Similar stimuli comparison	Pianist
Alberto Ginastera	12 Preludios Americanos, Op. 12 - 4. Vidala	1-6	5-10	Fernando Viani
Alberto Ginastera	Pequeña Danza	1-23(1)	44-67(1)	Fernando Viani
Alberto Ginastera	Tres Piezas, Op. 6 - 3. Criolla	1-22	56-76 (1)	Fernando Viani
Aram Il'ich Khachaturian	Dance	1-17(1)	23-38(1)	Kazuroou Ohi
Zoltán Kodály	9 piano pieces VII. Allegro giocoso - Piu lento	1-22	47-72	Adam Fellegi
Federico Mompou	Charmes - Pour Evoquer L'Image Du Passé	1-12(1)	22-29	Jordi Maso
Federico Mompou	Scènes D'Enfants - Jeu 2	1-12	18-12(2) after repeat	Jordi Maso
Federico Mompou	Scènes D'Enfants - Jeux Sur La Plage	1-20	37-20(1) after repeat	Jordi Maso
Francis Poulenc	Trois pieces 3. Toccata	21-35(1)	28-41(1)	Pascal Rogé
Ottorino Respighi	Ancient Airs & Dances, Set 1 - Gagliarda	1-22(2)	1-22(2) after Da Capo	Konstantin Scherbakov
Erik Satie	Nocturnes - 3. Un Peu Mouvementé	1-7(1)	29-35(3)	Jean-Yves Thibaudet
Erik Satie	Nocturnes - 4.	1-3(3)	17-19(3)	Jean-Yves Thibaudet
Karol Szymanowski	Four Polish Dances - 6. Oberek	1-22(1)	111-131	Martin Roscoe
Karol Szymanowski	Mazurka Op.50 No.2	1-20(1)	61-80	Martin Roscoe
Heitor Villa-Lobos	Villa-Lobos: Cirandas - Passa, Passa Gaviao	13(3)-24	34-45	Sonia Rubinsky

fMRI experiment

Composer	Title	Bar range of excerpts*	Pianist
Alberto Ginastera	Pequeña Danza	1-23(1)	Fernando Viani
Federico Mompou	Scènes D'Enfants - Jeux Sur La Plage	1-20	Jordi Maso
Francis Poulenc	Trois pieces 3. Toccata	1-13(2)	Pascal Rogé
Erik Satie	Nocturnes - 3. Un Peu Mouvementé	1-7(1)	Jean-Yves Thibaudet
Karol Szymanowski	Four Polish Dances - 6. Oberek	1-22(1)	Martin Roscoe
Heitor Villa-Lobos	Villa-Lobos: Cirandas - Passa, Passa Gaviao	1-13	Sonia Rubinsky

* The number in the parenthesis indicates the beat in the bar of the end of the excerpt.