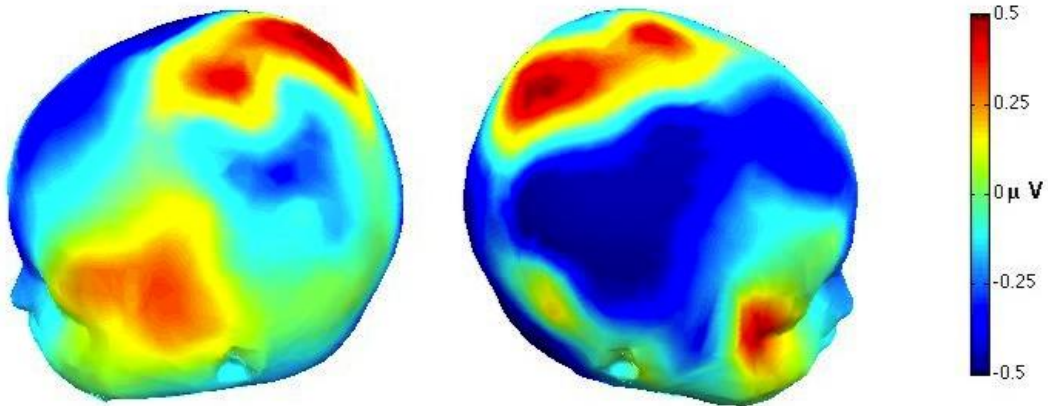
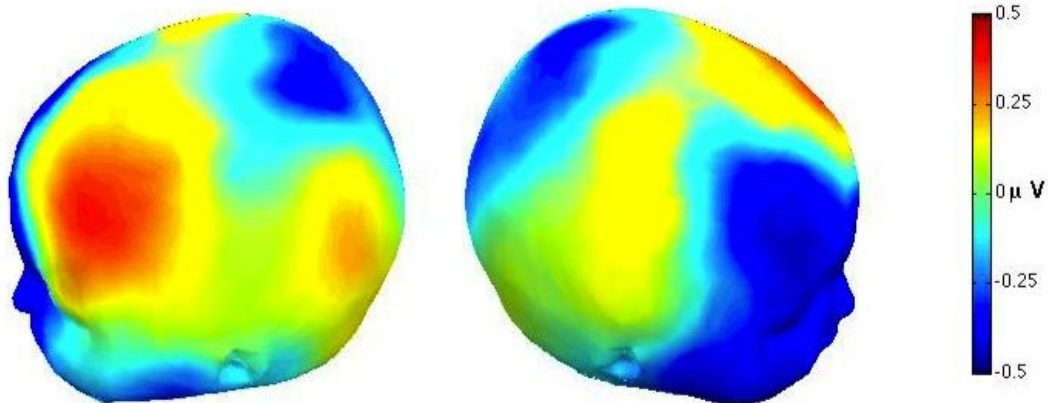


Appendix A

a) Execute Arm: Single Trial

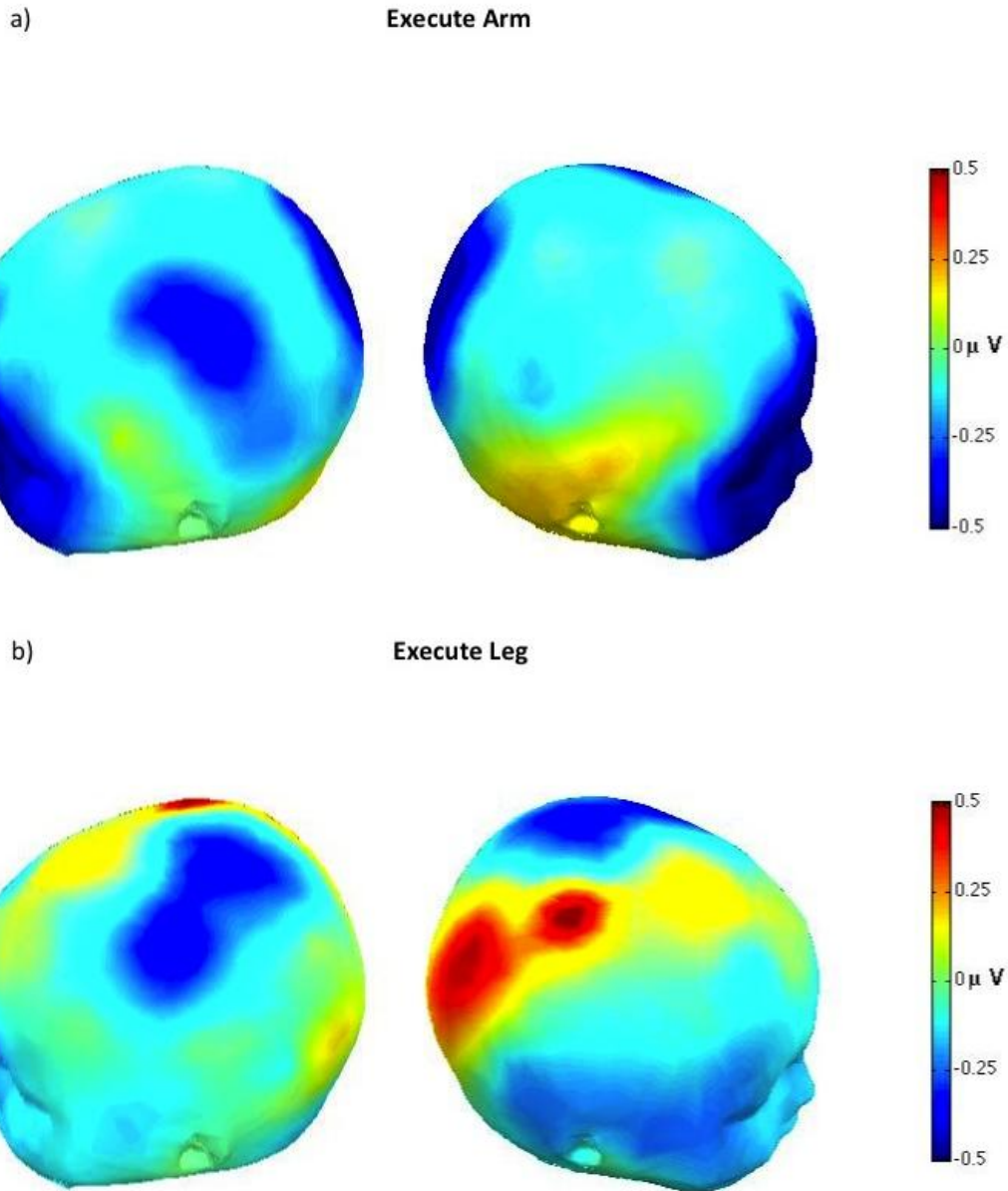


b) Execute Leg: Single Trial

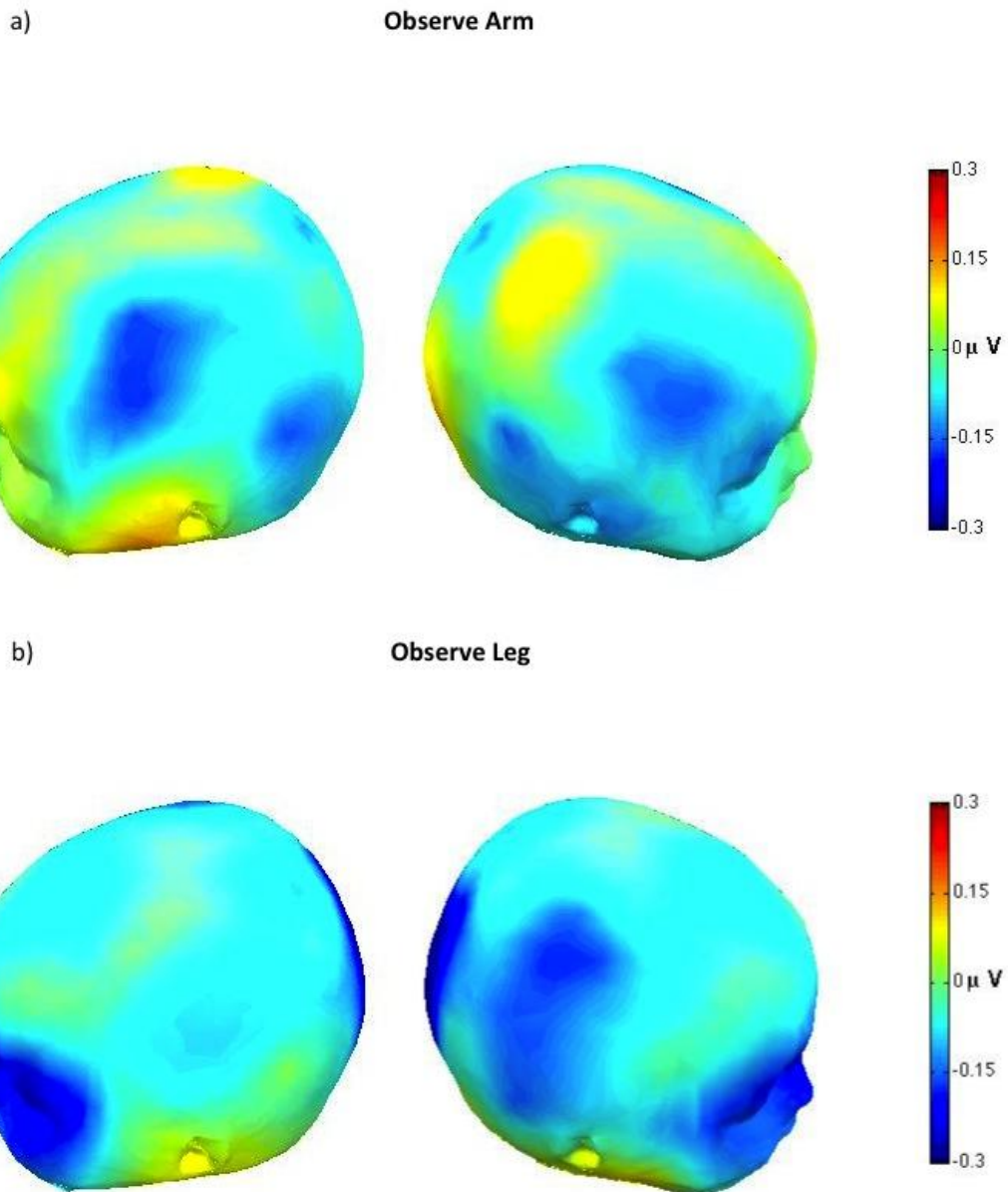


Supplementary Figure 1. Topographical plots demonstrating the scalp distribution of sensorimotor alpha suppression (6-9 Hz during the execution of a) a reaching action and b) a kicking action. The plots show baseline-corrected activity from one trial of a representative infant participant (participant 19).

Appendix B



Supplementary Figure 2. Topographical plots demonstrating the scalp distribution of sensorimotor alpha suppression (6-9 Hz) in infant participants during the execution of a) arm actions and b) leg actions.



Supplementary Figure 3. Topographical plots demonstrating the scalp distribution of sensorimotor alpha suppression (6-9 Hz) in infant participants during the observation of a) arm actions and b) leg actions.