Dataset from the following publication: Abbasi, H., Dötsch, D., & Schubö, A. (under revision). Electrophysiological correlates of attentional capture in joint action. *European Journal of Neuroscience*

This text provides you with some information regarding the time-frequency dataset.

In each data file, values in "powspctrm" show the lateralization index in percentage which is calculated as [(Contralateral - Ipsilateral) / (Contralateral + Ipsilateral)] * 100. The structure of the data for each participant in each condition is in the format of the Fieldtrip time-frequency output (Oostenveld, Fries, Maris, & Schoffelen, 2011).

In the experiment, all target and distractor location combinations were used where one item was placed on the lateral and the other on the vertical. The time-frequency analysis focused on those combinations where either the partner target or the non-relevant distractor was presented laterally:

Condition1: Competitive condition: Partner Target Lateral; Non-relevant Distractor Vertical

Condition2: Competitive condition: Partner Target Lateral; Agent Target Vertical

Condition3: Competitive condition: Non-relevant Distractor Lateral; Non-relevant Distractor Vertical

Condition4: Competitive condition: Non-relevant Distractor Lateral; Agent Target Vertical

Condition5: Cooperative condition: Partner Target Lateral; Non-relevant Distractor Vertical

Condition6: Cooperative condition: Partner Target Lateral; Agent Target Vertical

Condition7: Cooperative condition: Non-relevant Distractor Lateral; Non-relevant Distractor Vertical

Condition8: Cooperative condition: Non-relevant Distractor Lateral; Agent Target Vertical