**Behavioural variables (refers to trial types)**

**T:** Target only

**TwithCMNT:** Target with colour-matching nontarget

**TwithSMNT:** Target with shape-matching nontarget

**CMNT:** Colour-matching nontarget only

**SMNT:** Shape-matching nontarget only

**NT:** nontargets only

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**EEG file naming**

e.g., **AddN2pc\_1\_GC\_H1** (Experiment 1), **AddN2pc\_UR\_1\_GC\_H1** (Experiment 2)

**AddN2pc** (study name) **\_** (**UR** = until response) \_ **1** (participant number) \_ **GC** (Target definition made from target colour [G=green, B=blue, C=cyan, Y=yellow] and target shape [C=circle, S=square, H=hexagon, G=gate]) \_ **H1** (target present response hand [1=left, 2=right])

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**EEG marker codes**

*Stimulus marker*

**11:** Target only at left position

**12:** Target only at right position

**13:** Target only at top position

**14:** Target only at bottom position

**21:** Target at left position with colour-match nontarget at top position

**22:** Target at right position with colour-match nontarget at top position

**23:** Target at left position with colour-match nontarget at bottom position

**24:** Target at right position with colour-match nontarget at bottom position

**25:** Target at top position with colour-match nontarget at left position

**26:** Target at top position with colour-match nontarget at right position

**27:** Target at bottom position with colour-match nontarget at left position

**28:** Target at bottom position with colour-match nontarget at right position

**31:** Target at left position with shape-match nontarget at top position

**32:** Target at right position with shape-match nontarget at top position

**33:** Target at left position with shape-match nontarget at bottom position

**34:** Target at right position with shape-match nontarget at bottom position

**35:** Target at top position with shape-match nontarget at left position

**36:** Target at top position with shape-match nontarget at right position

**37:** Target at bottom position with shape-match nontarget at left position

**38:** Target at bottom position with shape-match nontarget at right position

**41:** Colour-match nontarget only at left position

**42:** Colour-match nontarget only at right position

**43:** Colour-match nontarget only at top position

**44:** Colour-match nontarget only at bottom position

**51:** Shape-match nontarget only at left position

**52:** Shape-match nontarget only at right position

**53:** Shape-match nontarget only at top position

**54:** Shape-match nontarget only at bottom position

**66:** Nontargets only

*Response marker*

**101:** correct response with left hand

**102:** correct response with right hand

**200:** error response

**255:** no response given