



Figure 2 - Supplement 3 - Individual data and BCI* model fit

The figure display two plots per participant, the “yes [the rubber hand felt like my own hand]” answers as a function of visuo-tactile asynchrony (dots) and corresponding BCI* model fit (curves) are plotted on the left; the right plot represents the evolution of the BCI decision criteria with sensory noise and the 3 dots highlight the decision criteria for the conditions tested in the present study. As in the main figure, black, orange, and red correspond to the 0%, 30%, and 50% noise levels, respectively. This model shares the generative model and decision rule of the BCI model. However, the level of noise impacting the stimulation σ_s is considered as a free parameter instead of being fixed. Thus, six parameters need to be fitted: $\theta = \{p_{\text{same}}, \sigma_1, \sigma_2, \sigma_3, \sigma_s, \lambda\}$.