



Figure 2, The dynamics of high-gamma modulations during sentence comprehension task. **a-d**, High-gamma modulations in the left hemisphere. **e**, High-gamma modulations in the right hemisphere. Mean percent change in high-gamma activity is presented with a standard error bar. Green plot: Trials beginning with a concrete phrase. Purple plot: Trials beginning with a *wh*-interrogative. Red horizontal bar: Significant amplitude augmentation lasting at least 60 ms (\approx four 65 Hz-band oscillations). Blue horizontal bar: Significant amplitude suppression lasting at least 60 ms. First column: Time-locked to the 1st phrase onset (i.e., sentence onset). Second column: Time-locked to the 1st phrase offset. Third column: Time-locked to the 2nd phrase offset. Fourth column: Time-locked to the 3rd phrase offset (i.e., sentence offset). **a** and **b**, The left posterior middle- and inferior-frontal gyri (MFG and IFG) showed a rising of high-gamma activity around the 1st phrase offset during trials beginning with a concrete phrase. These regions showed high-gamma suppression maximally around the 1st phrase offset during trials beginning with a *wh*-interrogative. **c** and **d**, The left anterior MFG and orbitofrontal regions showed high-gamma suppression maximally around the 2nd phrase offset during trials beginning with a *wh*-interrogative. **e**, The right orbitofrontal region showed high-gamma suppression maximally before the 1st phrase offset during trials beginning with a concrete phrase.