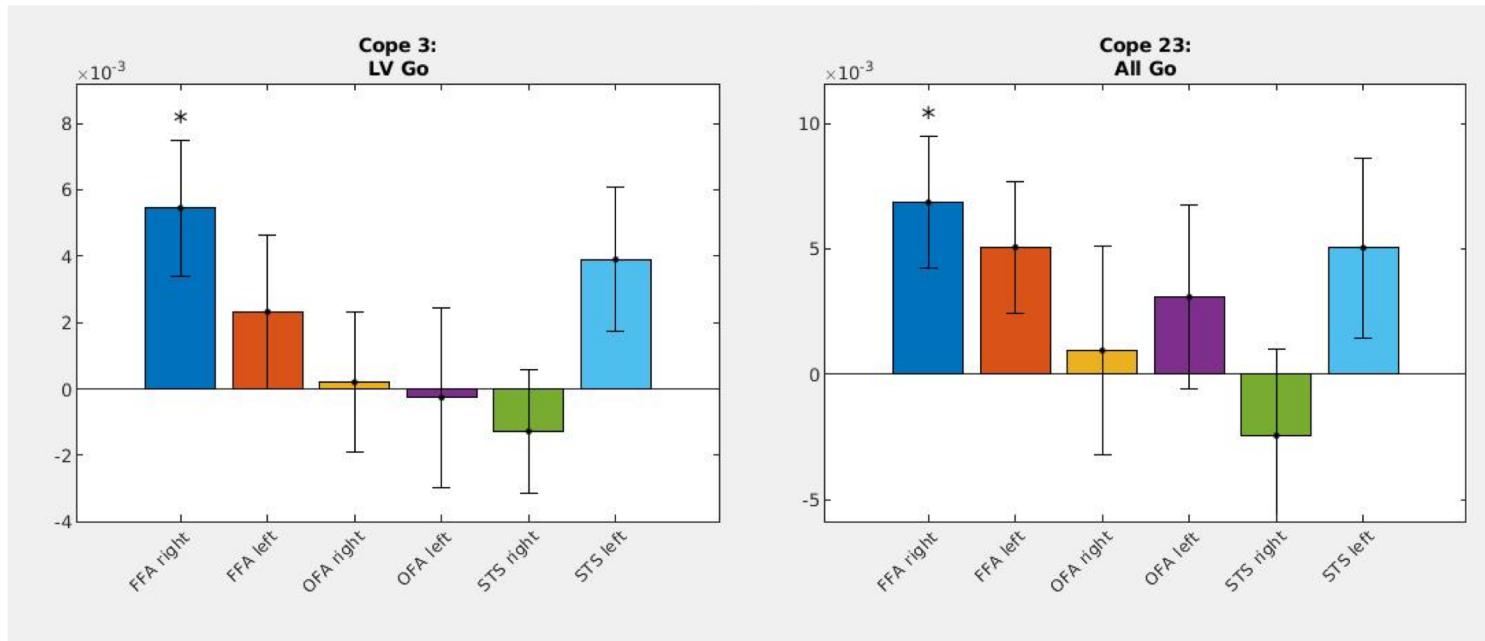


MRI Faces

Interesting ROI analysis results (GLM)

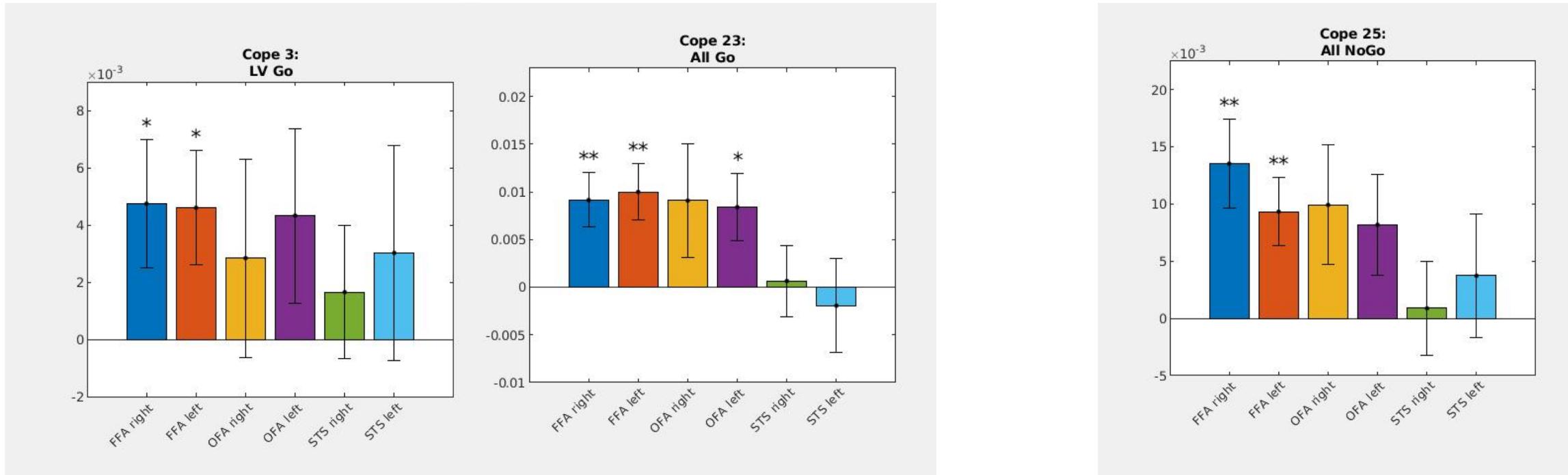
15th August, 2018

Response to stim – session 1 (after > Before)



In the response to stim task, increased response to LV (and All) Go items in the right FFA after versus before CAT.

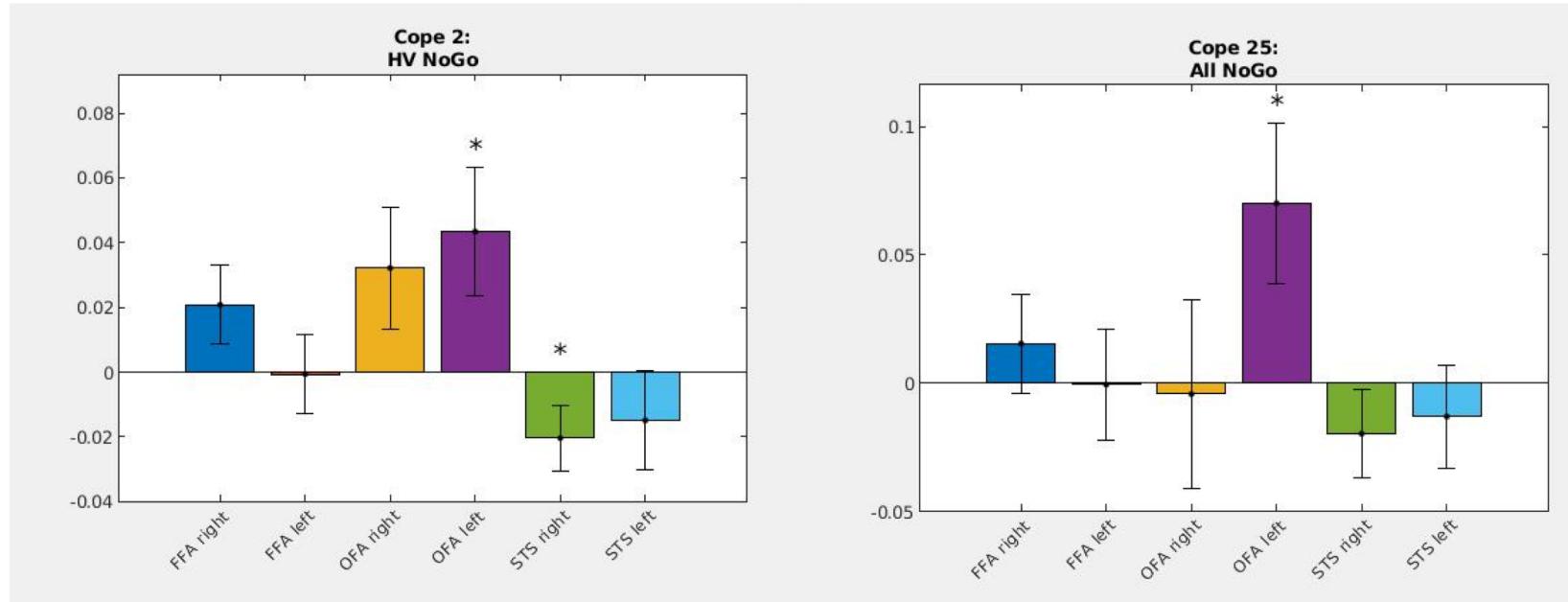
Response to stim – session 2 (after > Before)



Similar effect also in the follow-up (greater response to LV and All Go after versus before) – but in the follow-up it's also apparent for other face ROI, and also for the All NoGo...

Response to stim – session 1 (after – correlation with CAT)

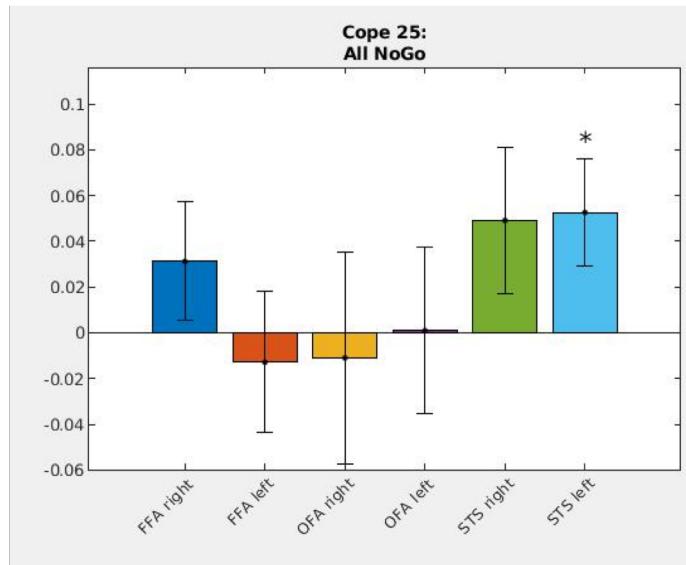
Correlation with CAT effect



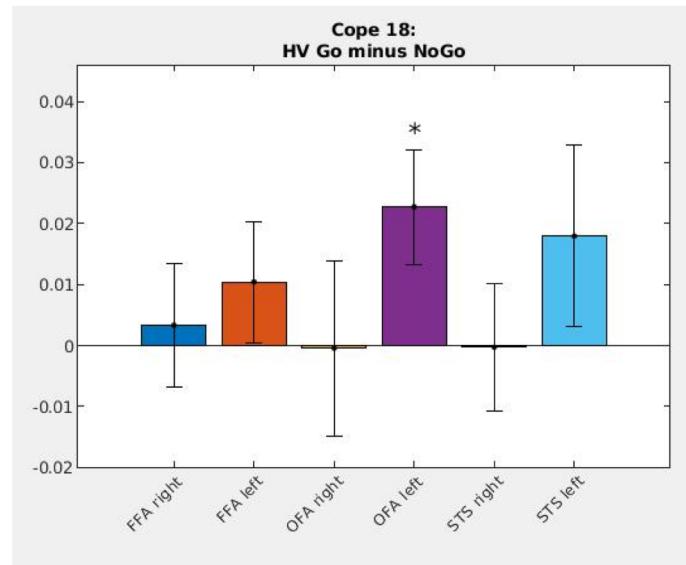
After training, left OFA response to HV and All NoGo items positively correlated with the CAT effect

Response to stim – session 2 (after – correlation with CAT)

Correlation with CAT effect



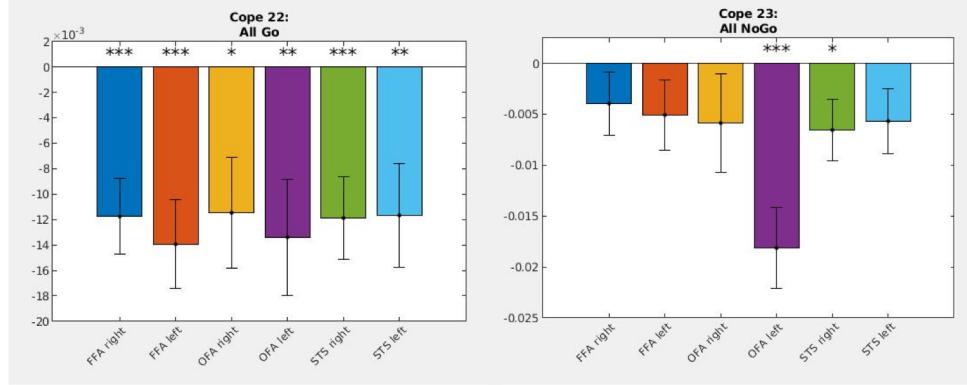
In the follow-up, the same correlation is noted in the STS-left activity (but not OFA)



The OFA-left activity in the HV Go>NoGo correlated with CAT effect (for HV) in the follow-up

Training

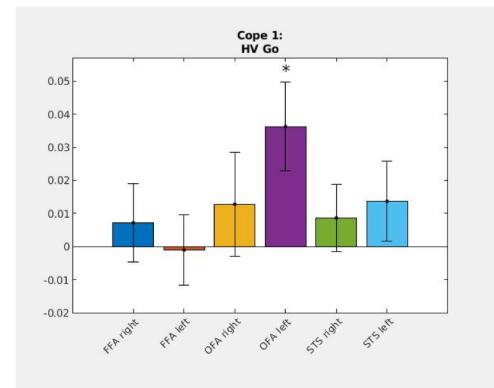
Last > First



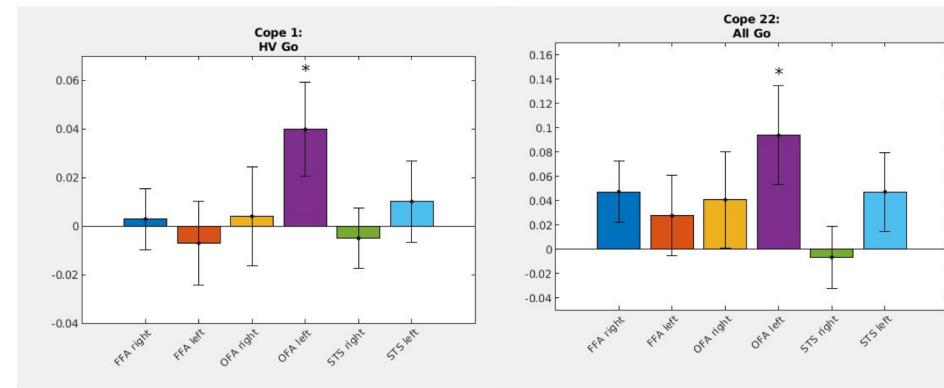
While for the Go items, there was an overall decrease in the entire brain (and all face ROI), For the NoGo items these decrease (habituation?) was found mainly in the left OFA. Consistent and strong both for HV and LV.

Correlation with CAT effect

Scan 1



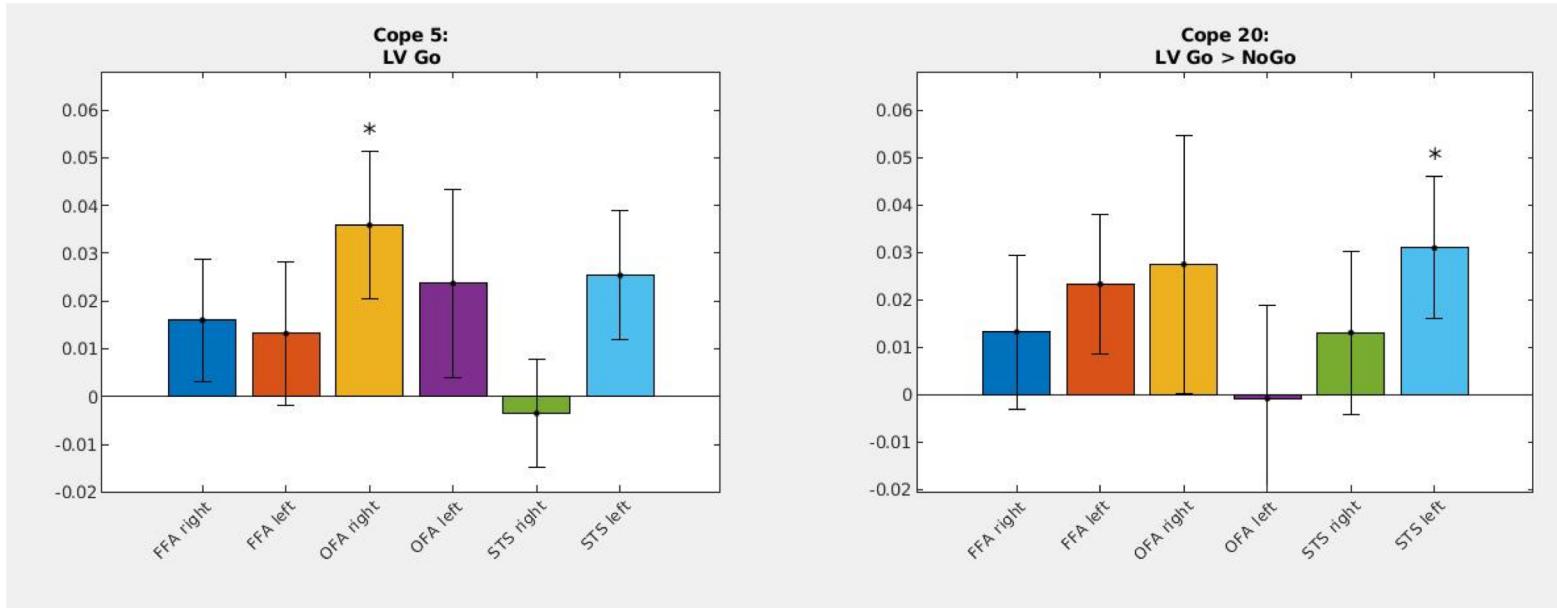
Scan 8



OFA left was also correlated (from scan 1 for HV) with the CAT effect

Training

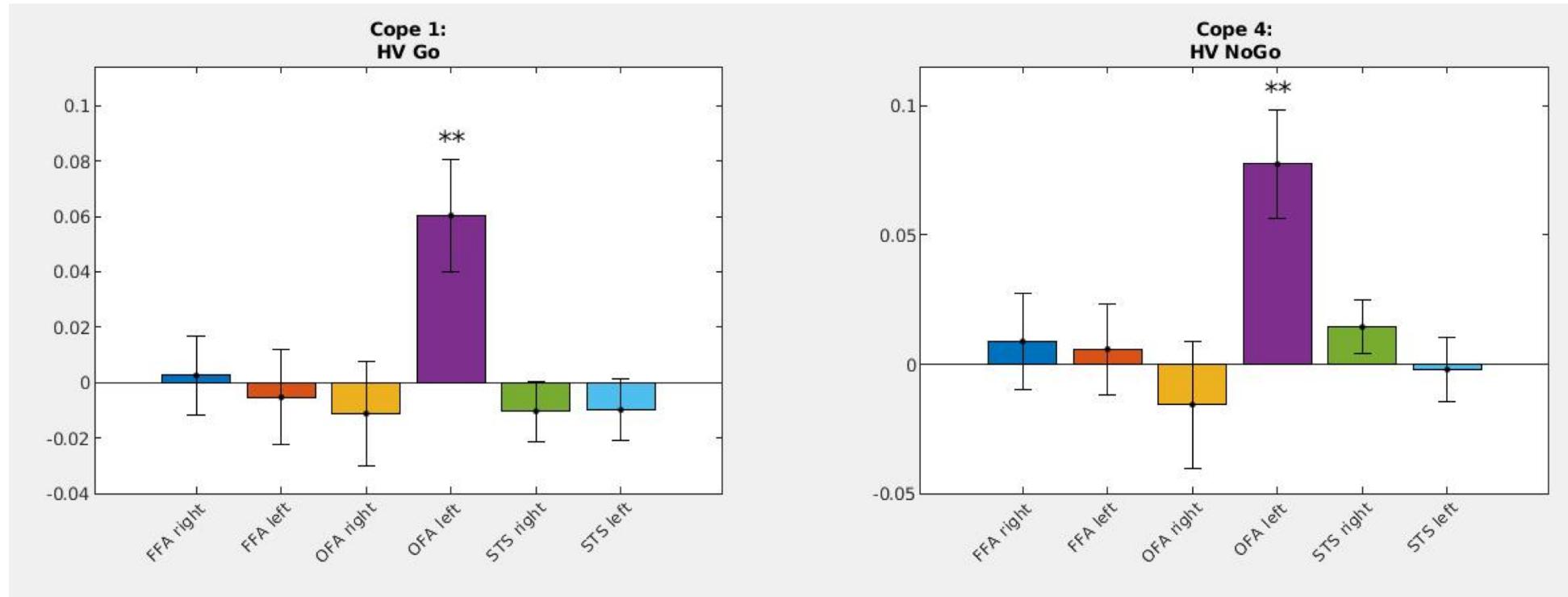
Last > First – correlation with CAT



OFA right and STS left change in activity during training might be indicative of CAT effect for LV (not so consistent)

Probe - ses1

Correlation with CAT effect



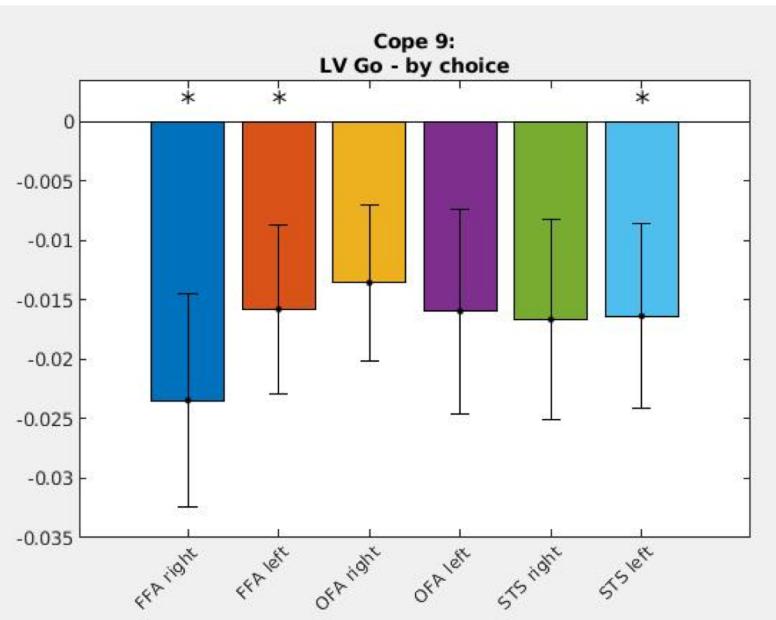
Number of observations: 27, Error degrees of freedom: 25
Root Mean Squared Error: 0.0127
R-squared: 0.26, Adjusted R-Squared 0.23
F-statistic vs. constant model: 8.77, p-value = 0.00663

Number of observations: 27, Error degrees of freedom: 25
Root Mean Squared Error: 0.013
R-squared: 0.356, Adjusted R-Squared 0.33
F-statistic vs. constant model: 13.8, p-value = 0.00102

OFA activity during probe HV choices correlated with CAT effect (positive correlation both for Go and NoGo choices...)

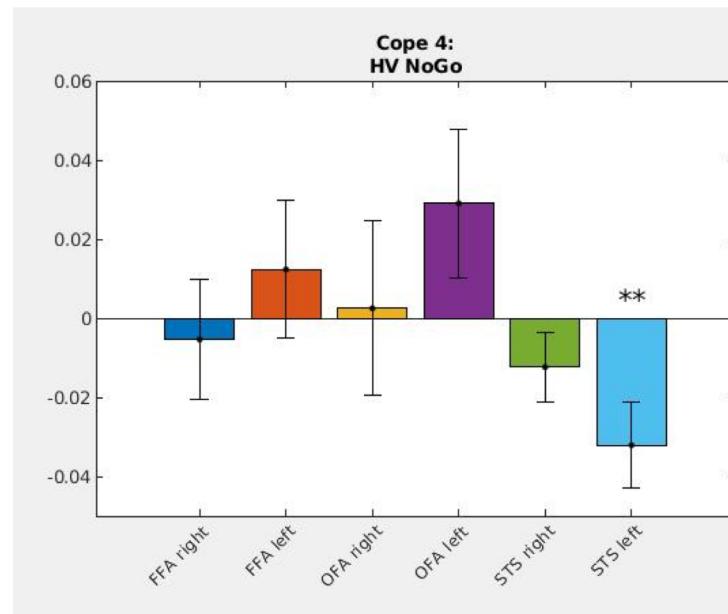
Probe – ses2

Mean Activity

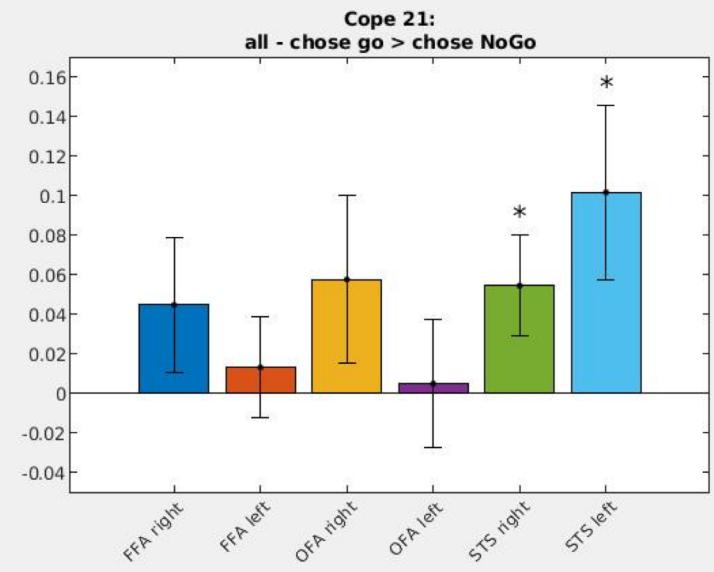


All face areas showed negative modulation trend with choice in the follow-up session (sig. for FFA bi lateral and STS left)

Correlation with CAT effect



In STS left – negative correlation between activity during HV NoGo trials and choice. Positive correlation for the contrasted activity for All Go > NoGo

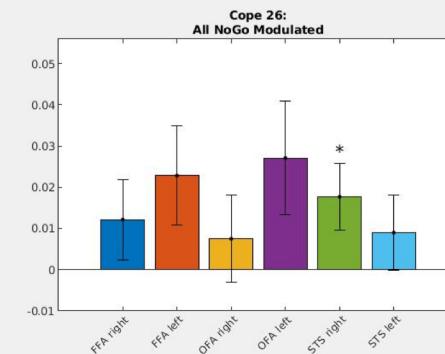
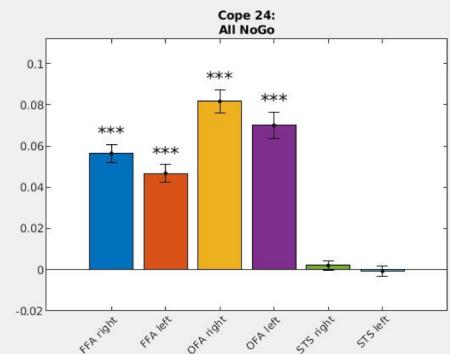
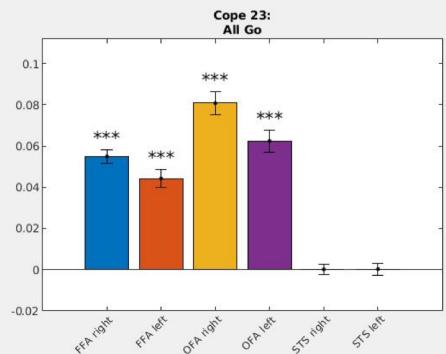
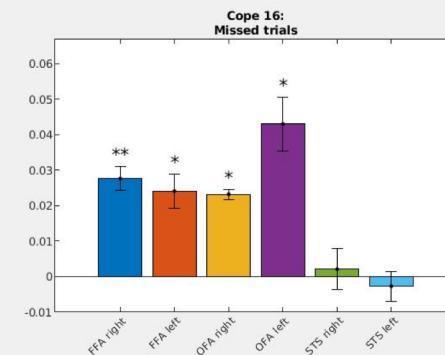
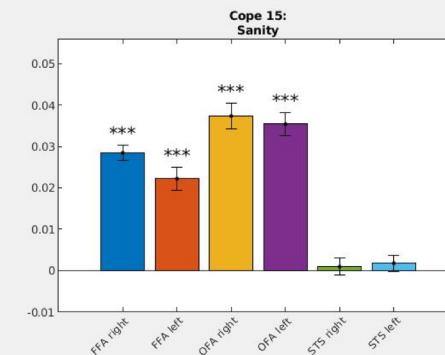
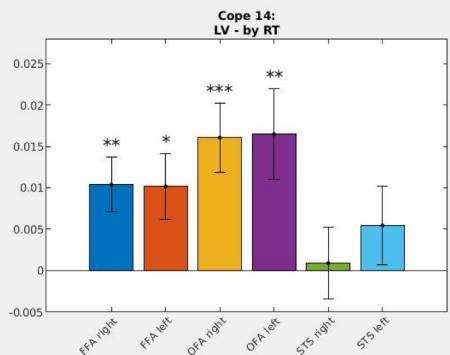
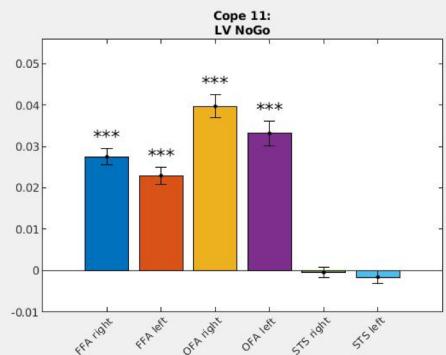
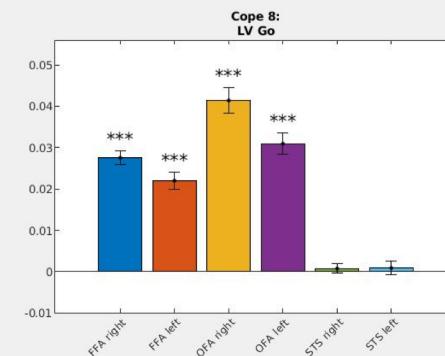
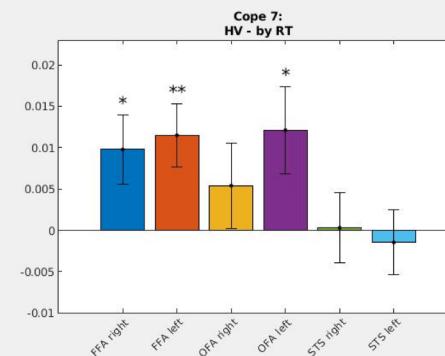
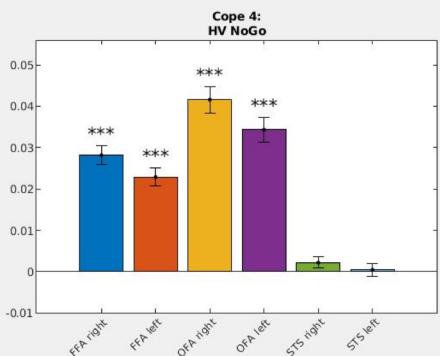
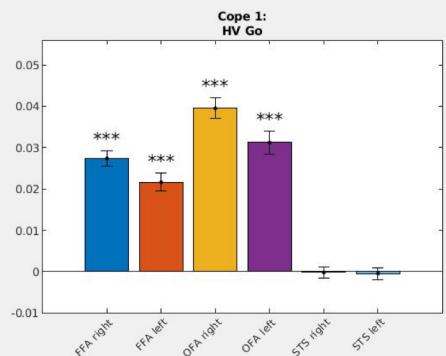


Summary of all significant results

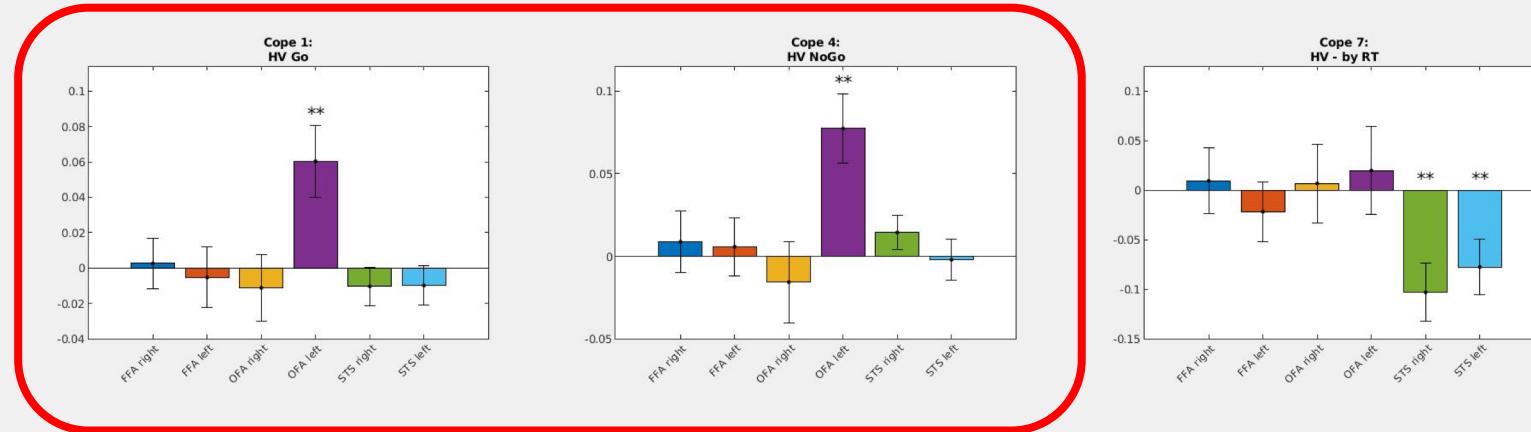
(more interesting ones are highlighted with a red frame)

All Results – ses 01

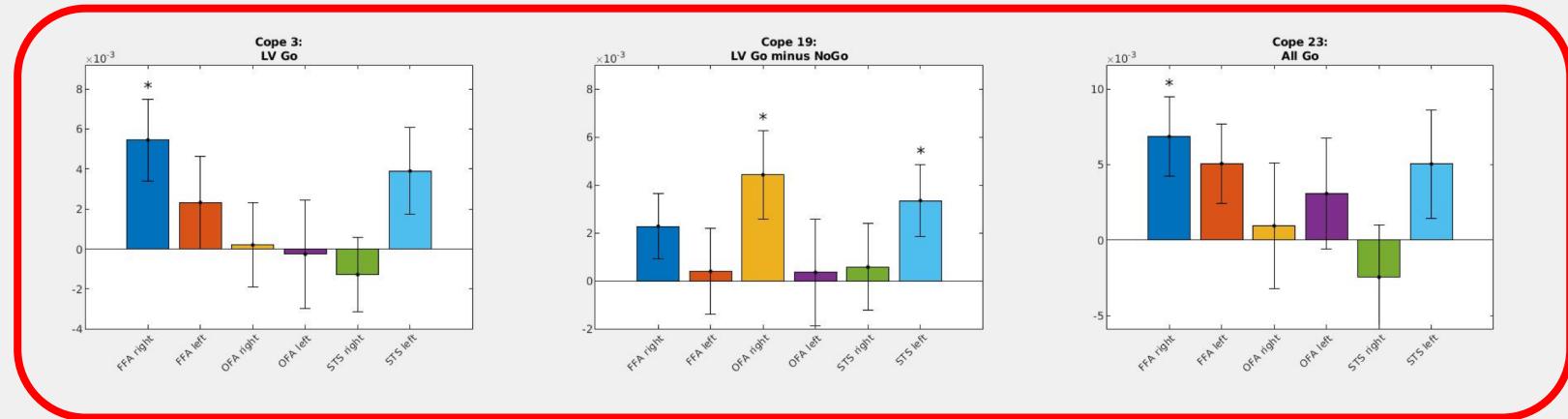
task-probe - 2nd level cope 1 (mean) - 3rd level mean



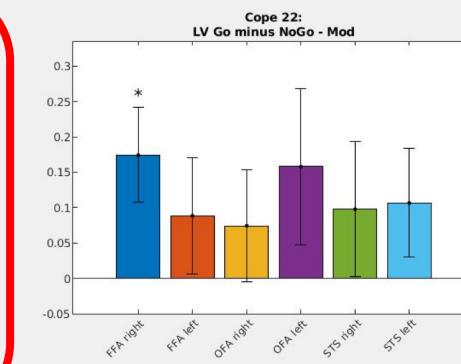
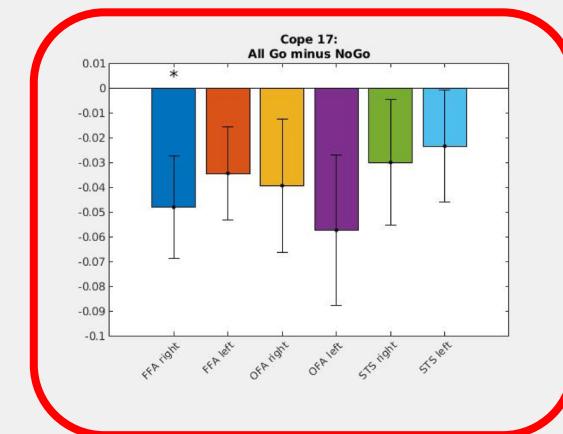
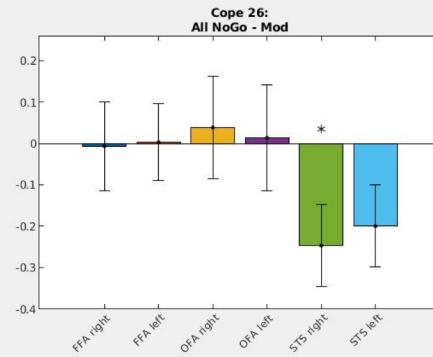
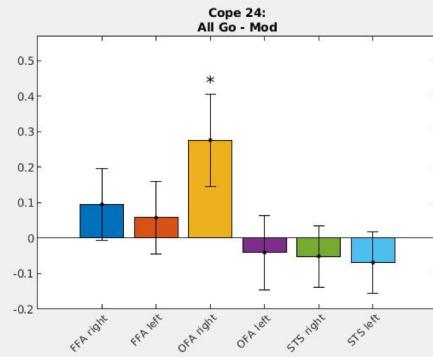
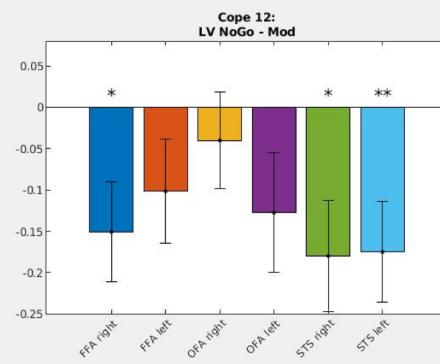
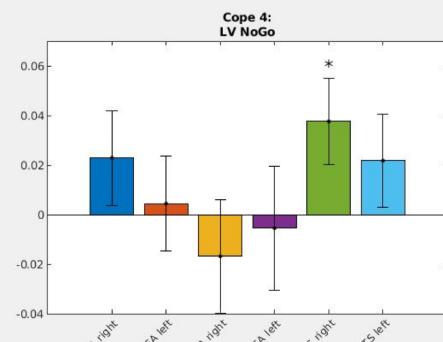
task-probe - 2nd level cope 1 (mean) - 3rd level mod by probe effect



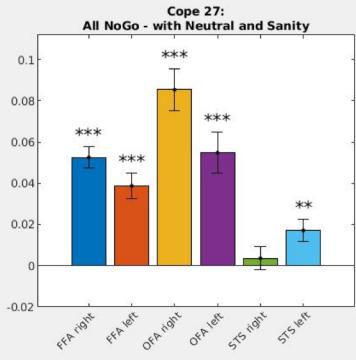
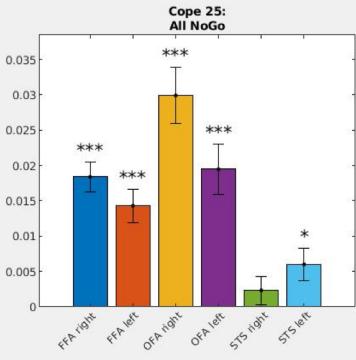
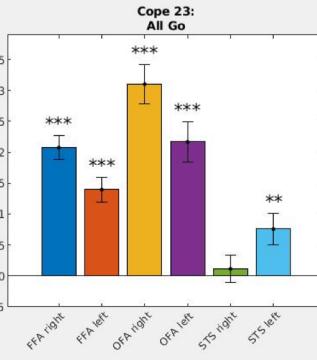
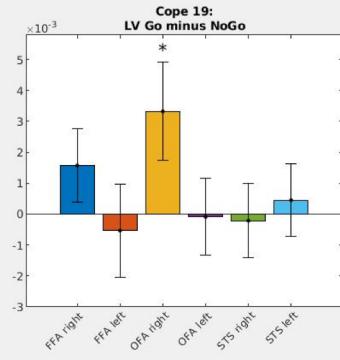
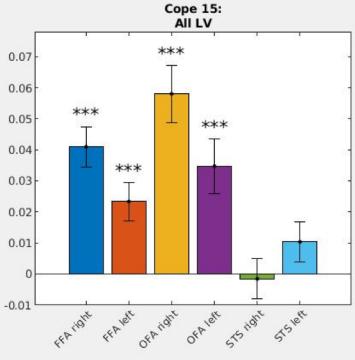
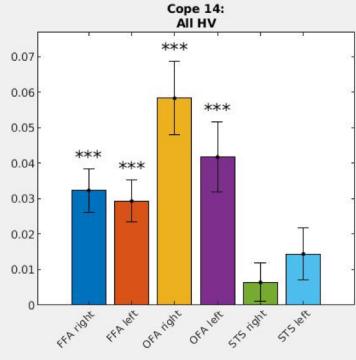
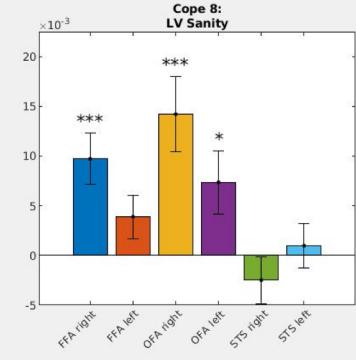
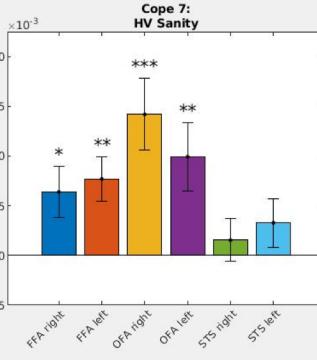
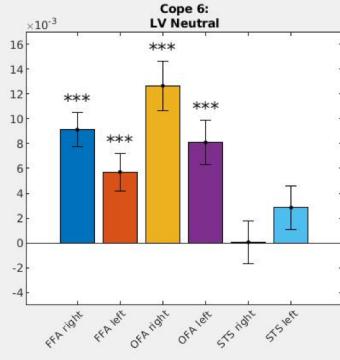
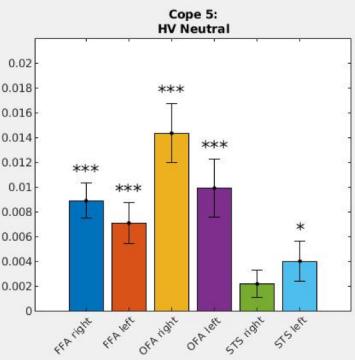
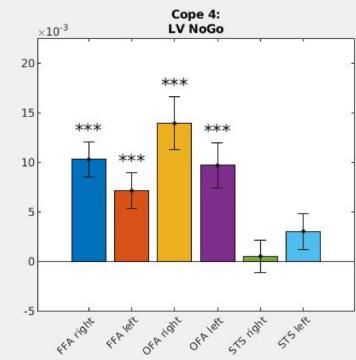
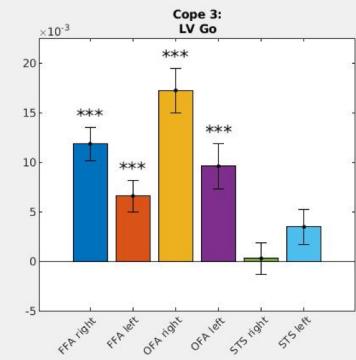
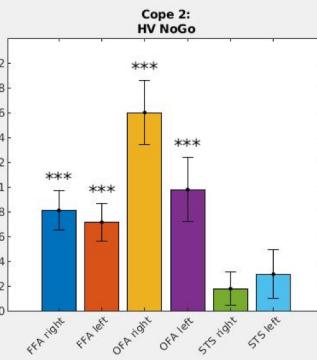
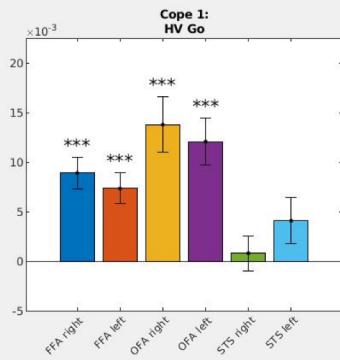
task-responsetostim - 2nd level cope 1 (after > before) - 3rd level mean



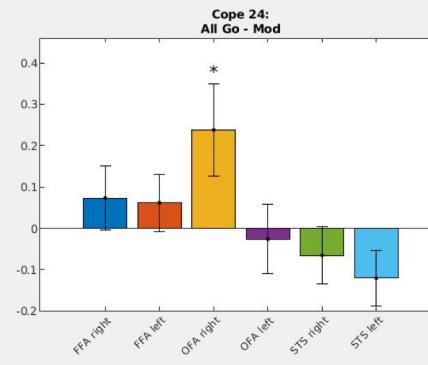
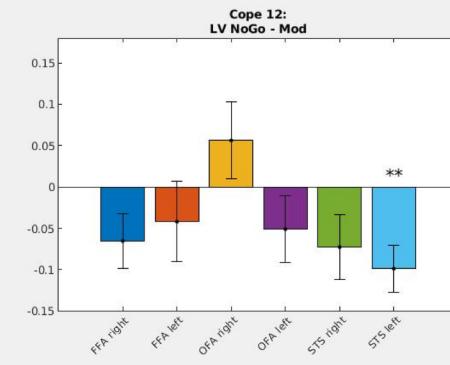
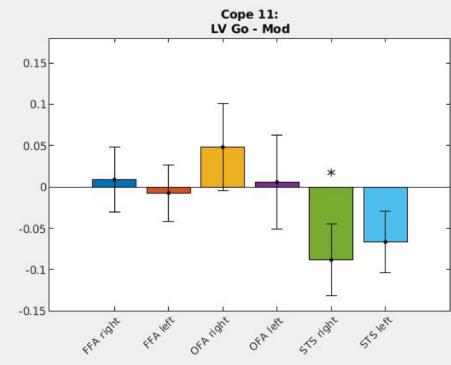
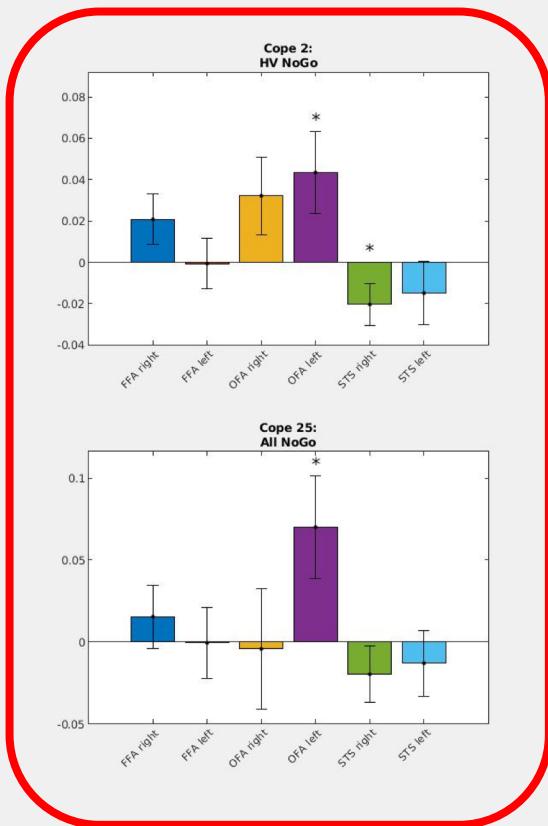
task-responsetostim - 2nd level cope 1 (after > before) - 3rd level mod by probe effect



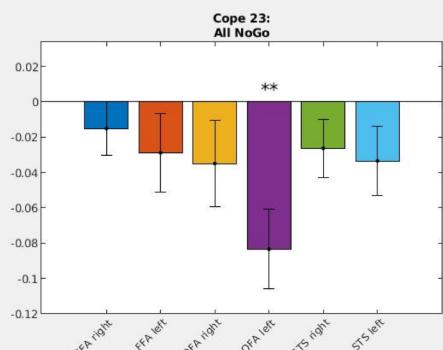
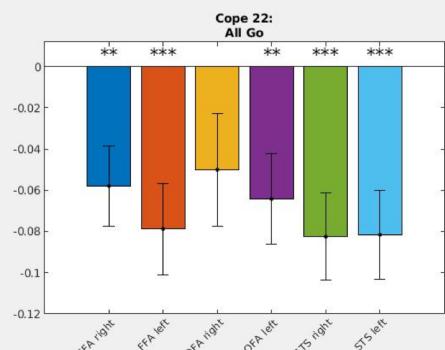
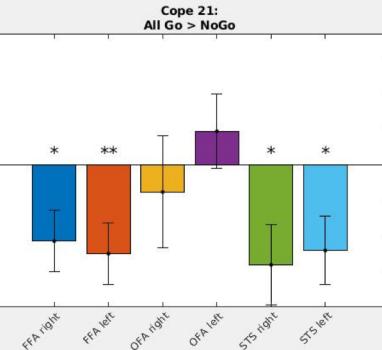
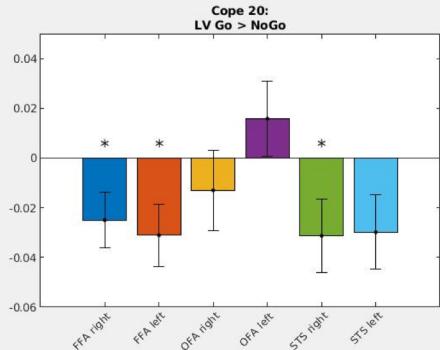
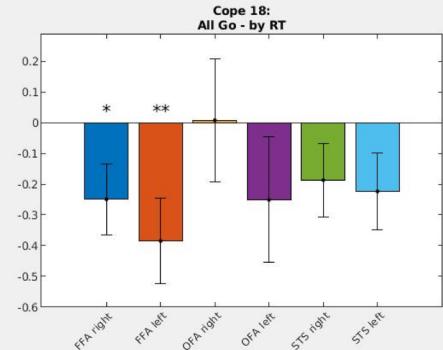
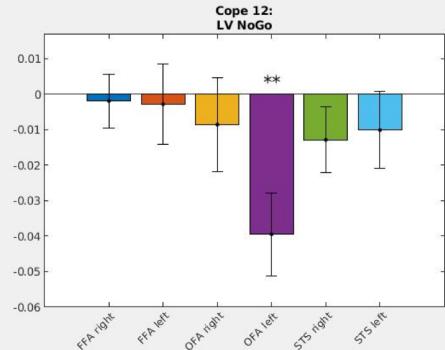
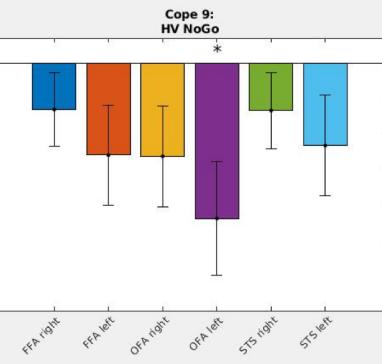
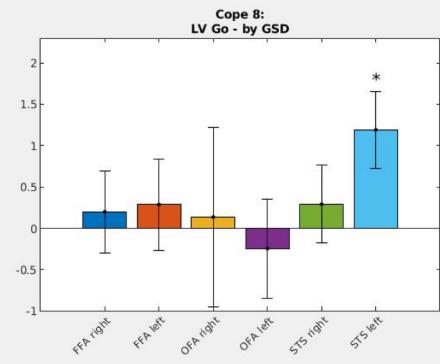
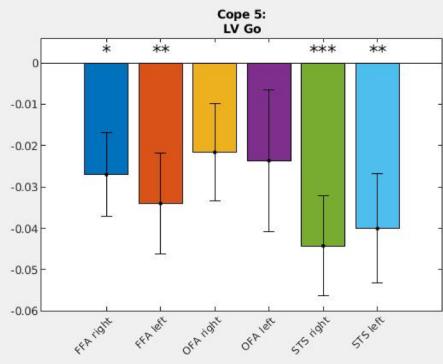
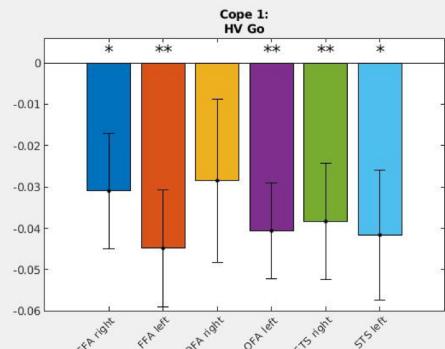
task-responsetostim - 2nd level cope 4 (after) - 3rd level mean



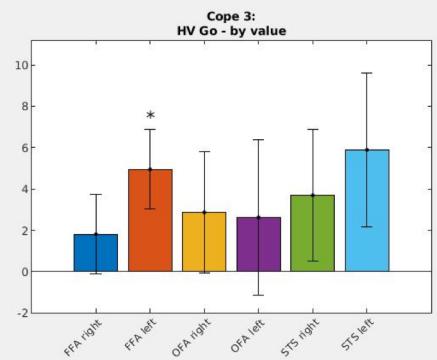
task-responsetostim - 2nd level cope 4 (after) - 3rd level mod by probe effect



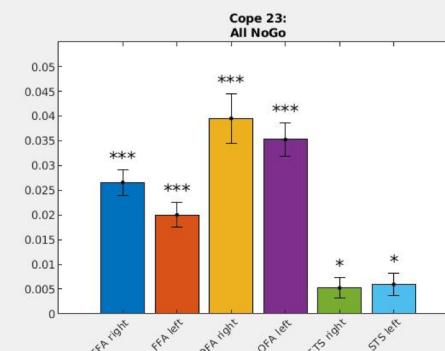
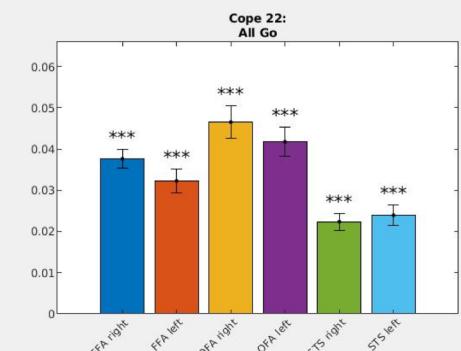
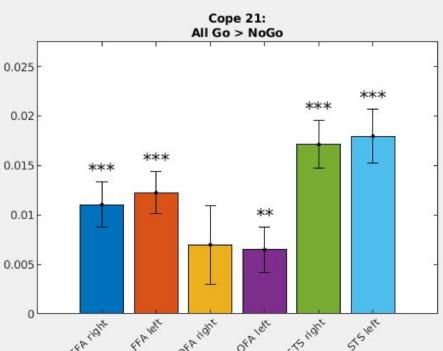
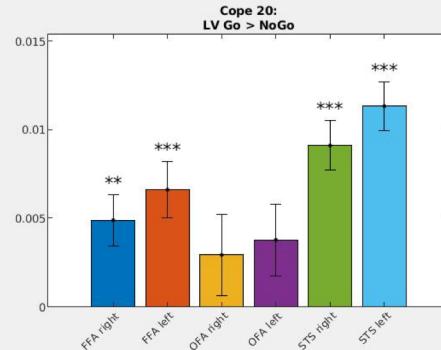
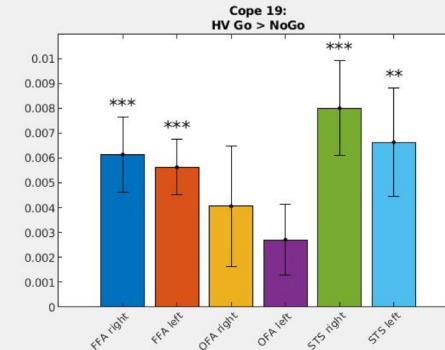
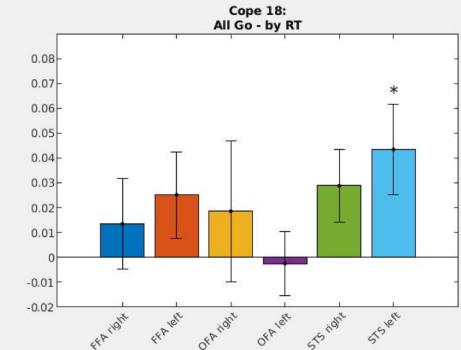
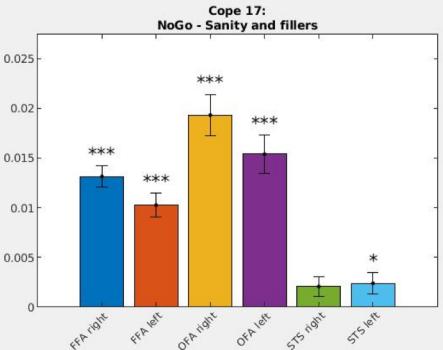
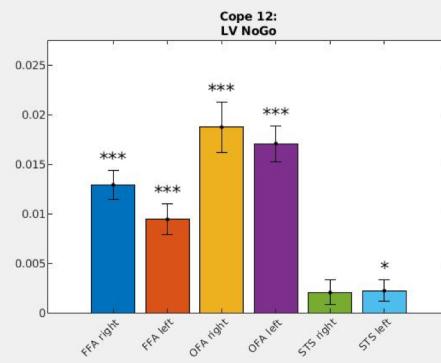
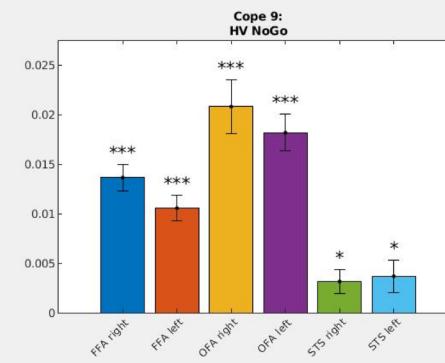
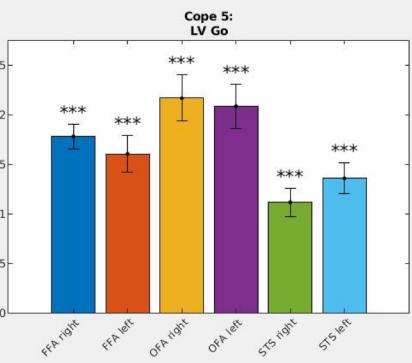
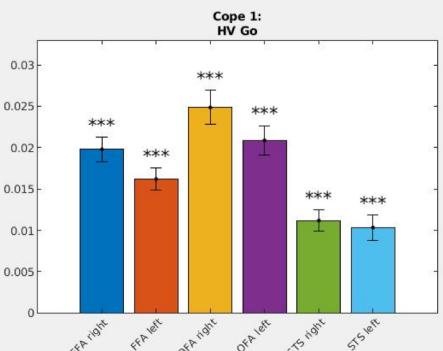
task-training - 2nd level cope 10 (linear trend) - 3rd level mean



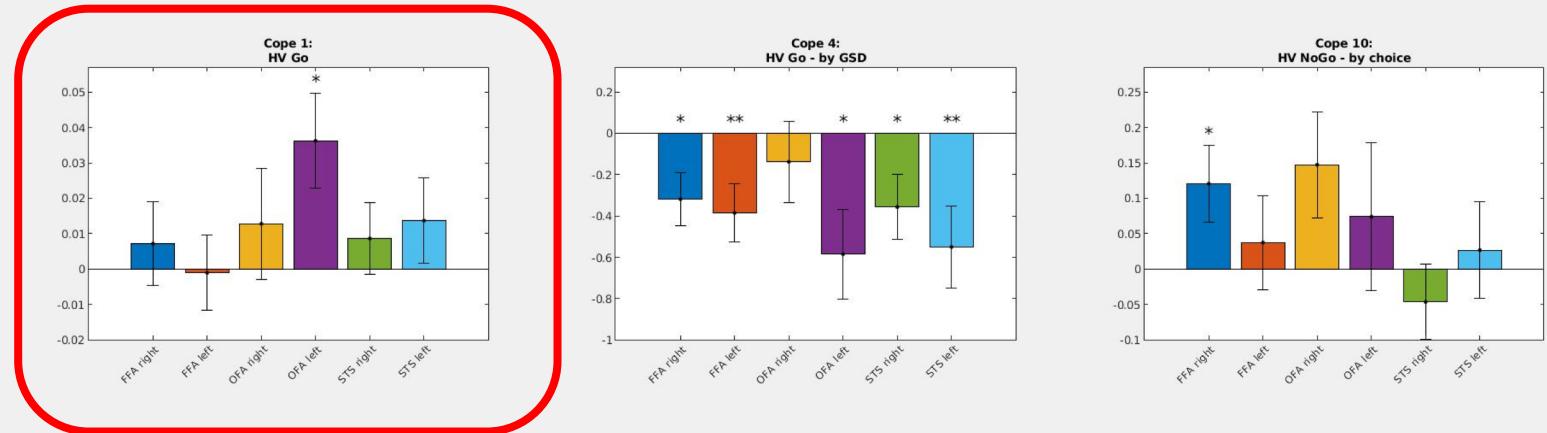
task-training - 2nd level cope 10 (linear trend) - 3rd level mod by probe effect



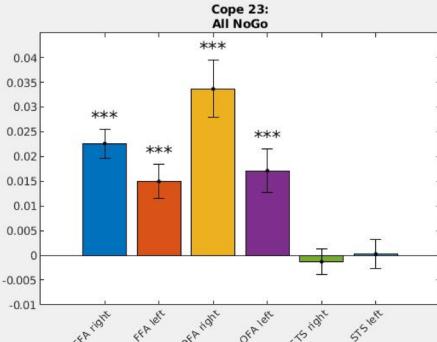
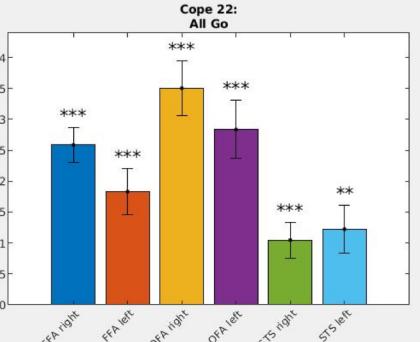
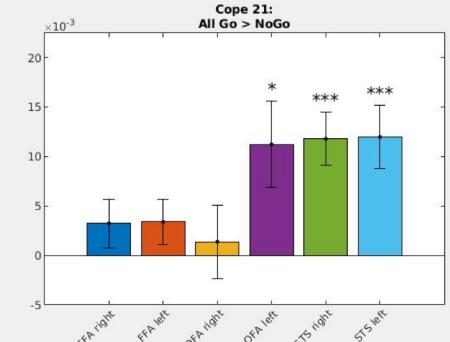
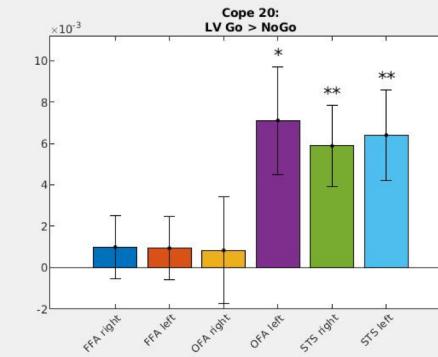
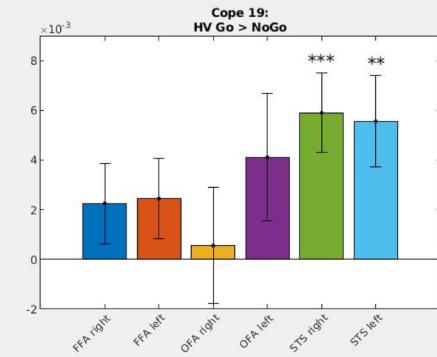
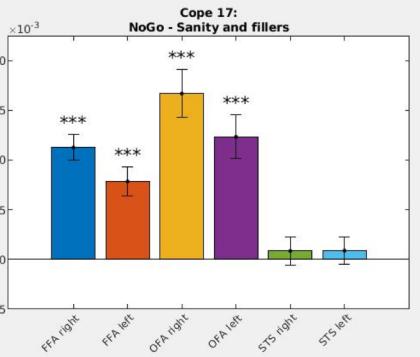
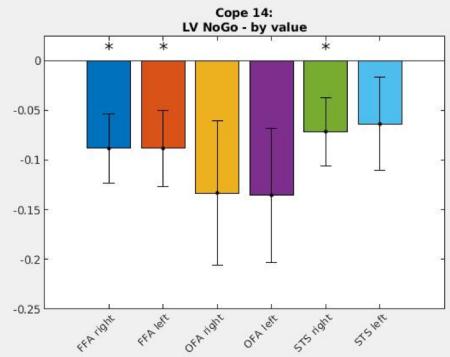
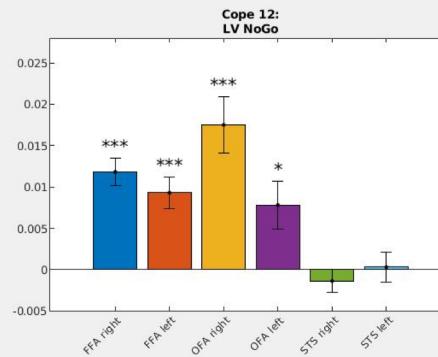
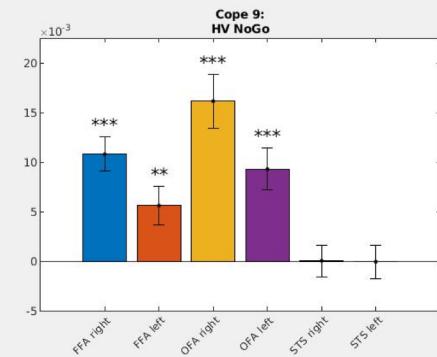
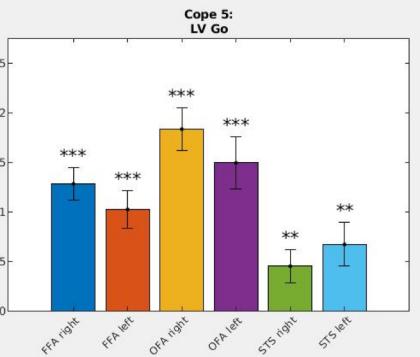
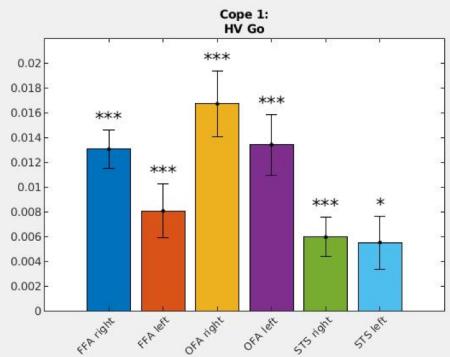
task-training - 2nd level cope 1 (scan1) - 3rd level mean



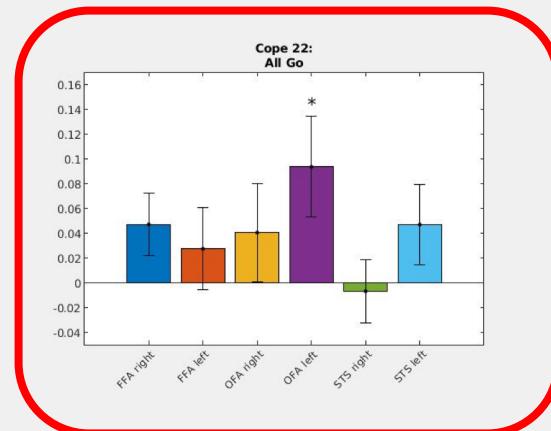
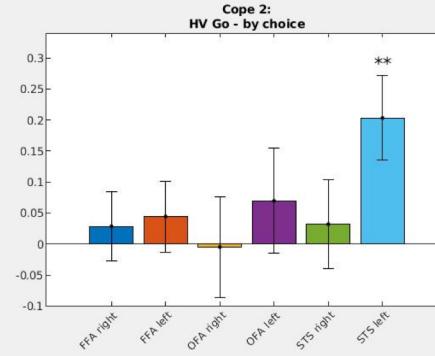
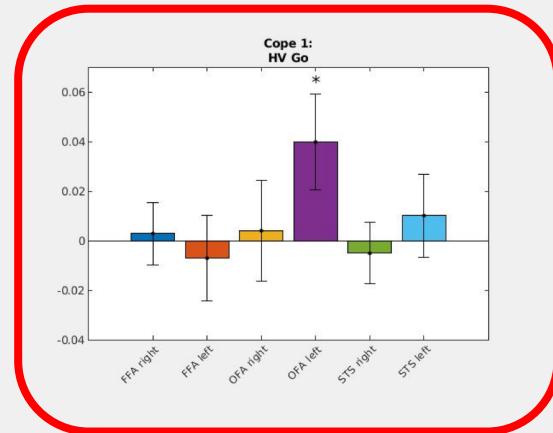
task-training - 2nd level cope 1 (scan1) - 3rd level mod by probe effect



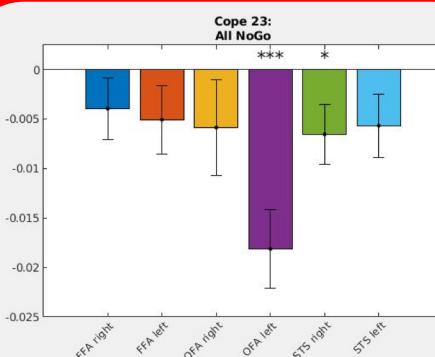
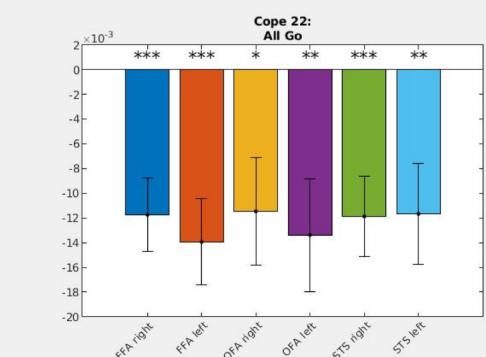
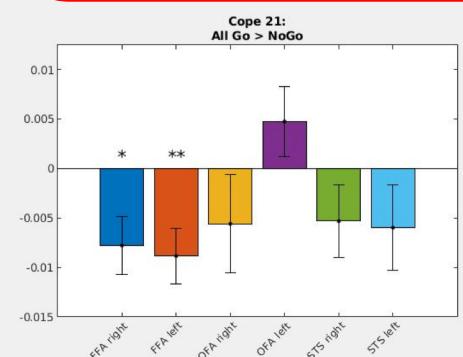
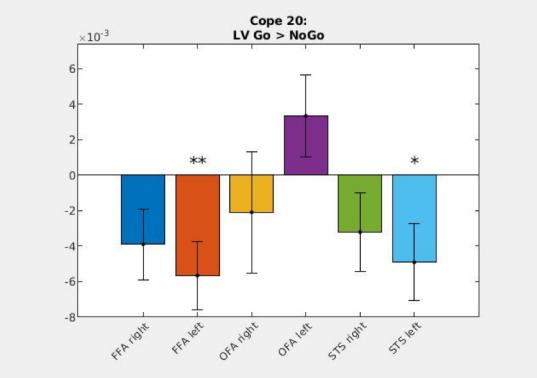
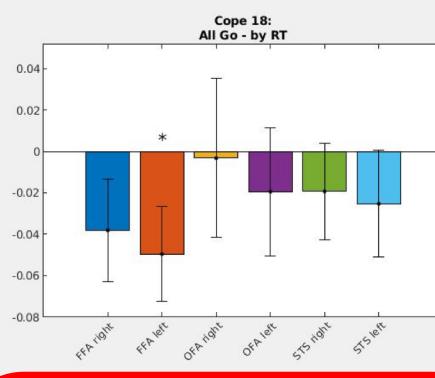
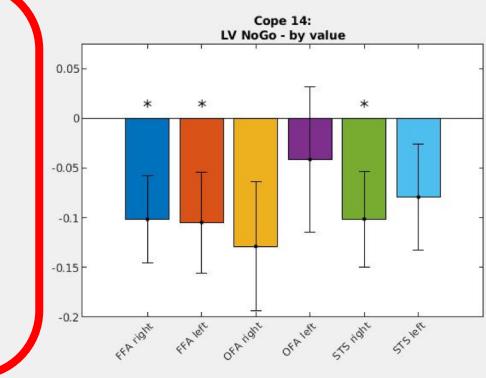
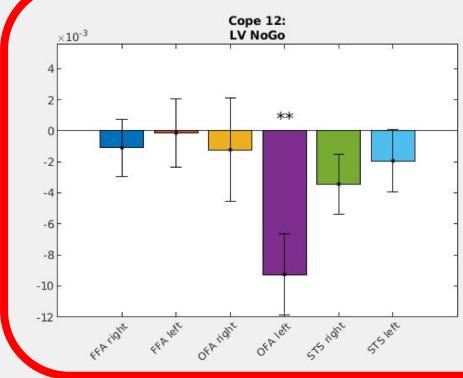
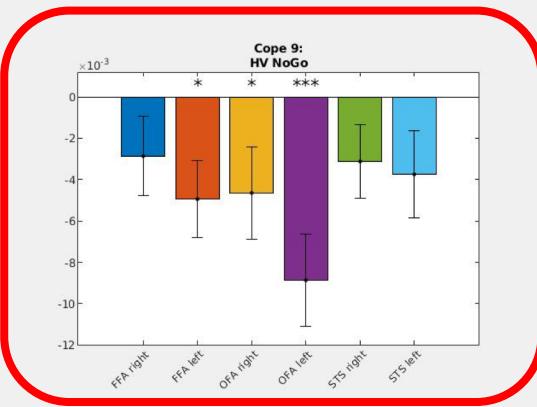
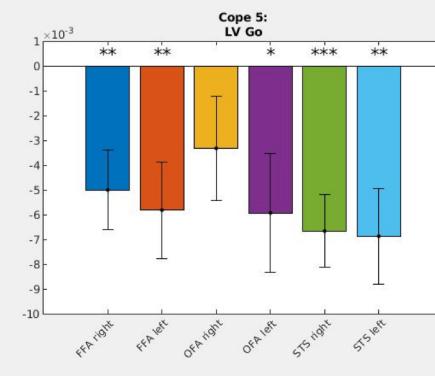
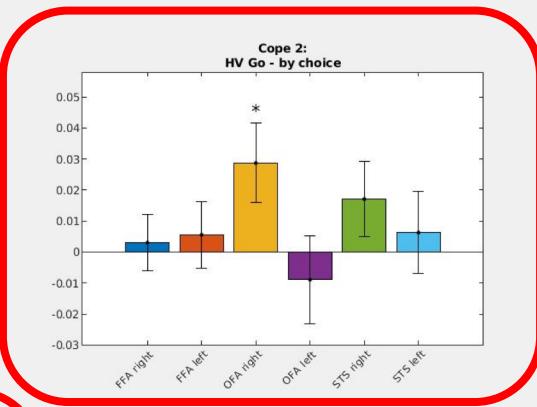
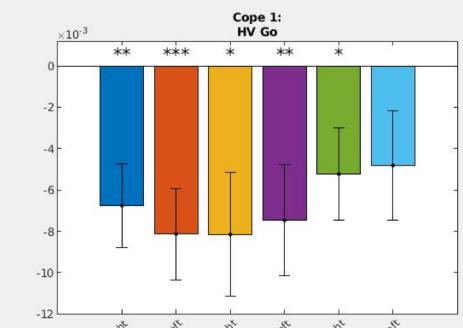
task-training - 2nd level cope 8 (scan8) - 3rd level mean



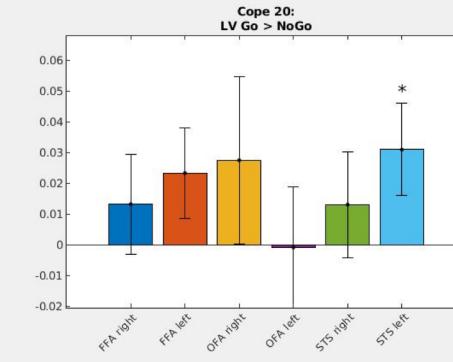
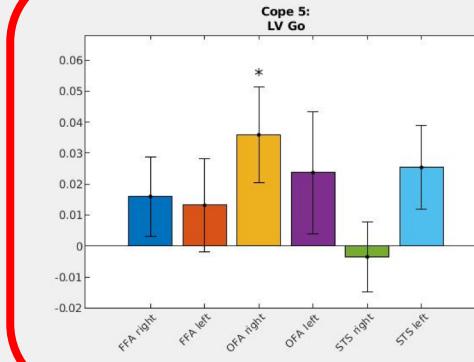
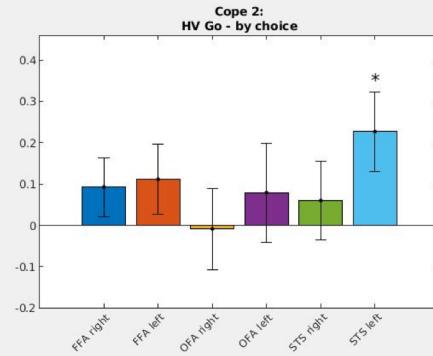
task-training - 2nd level cope 8 (scan8) - 3rd level mod by probe effect



task-training - 2nd level cope 9 (last > first) - 3rd level mean

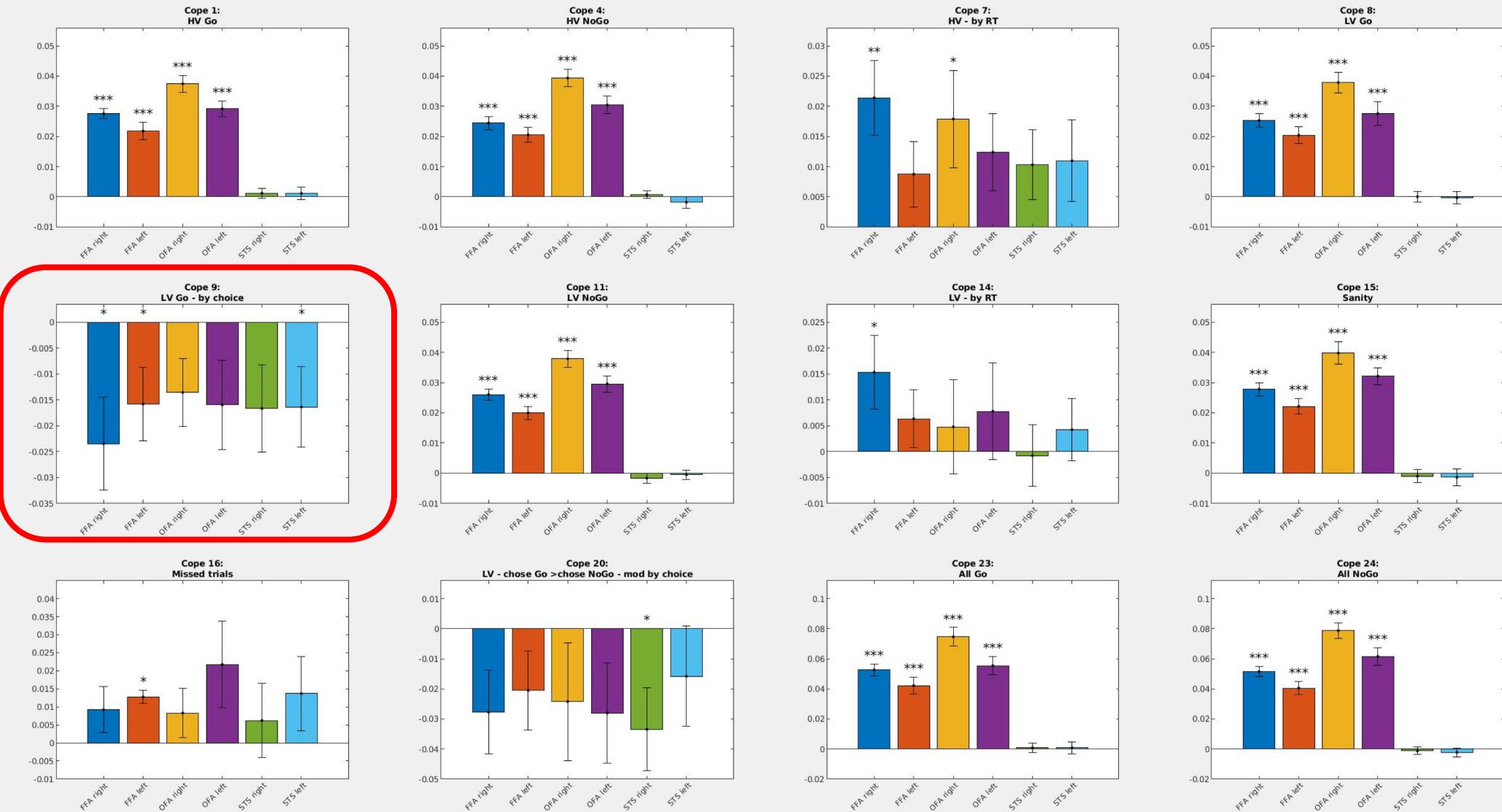


task-training - 2nd level cope 9 (last > first) - 3rd level mod by probe effect

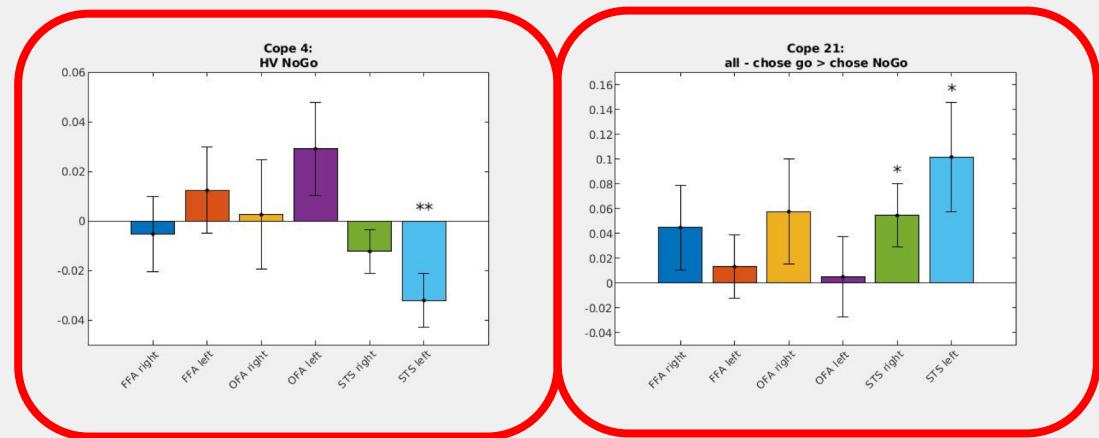


All Results – ses 02

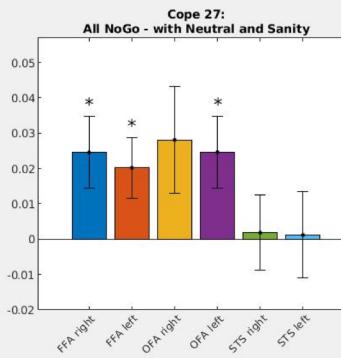
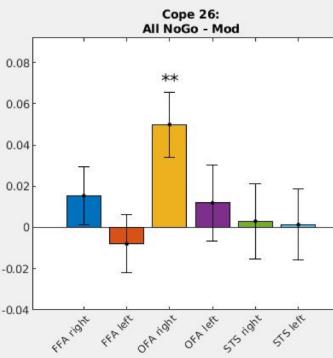
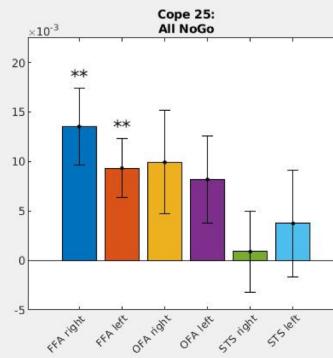
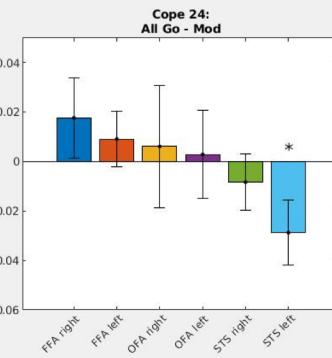
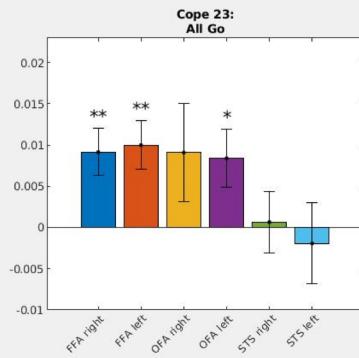
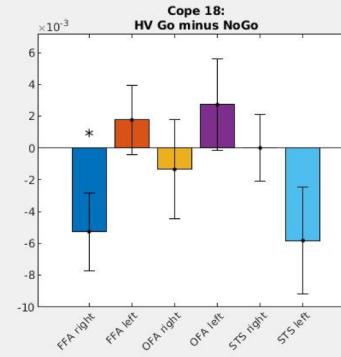
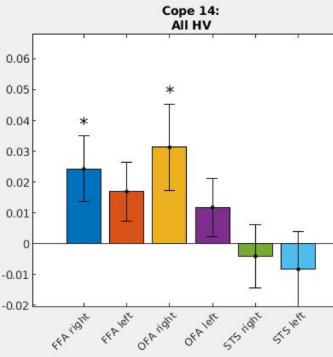
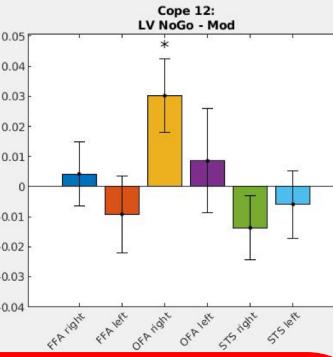
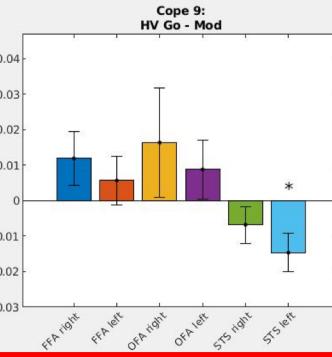
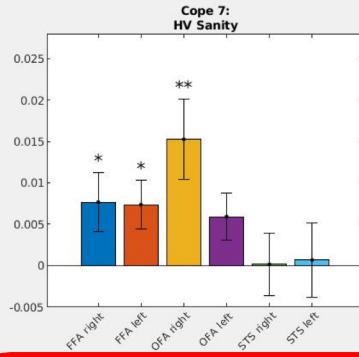
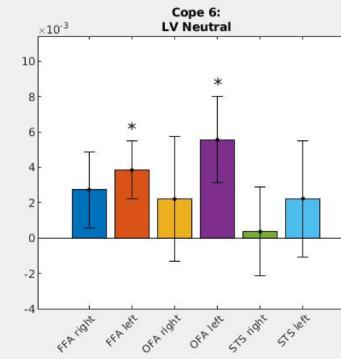
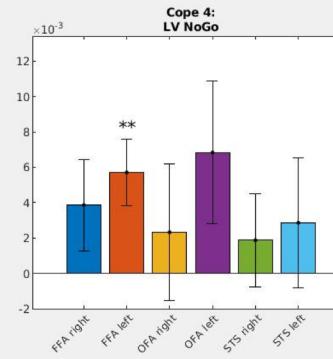
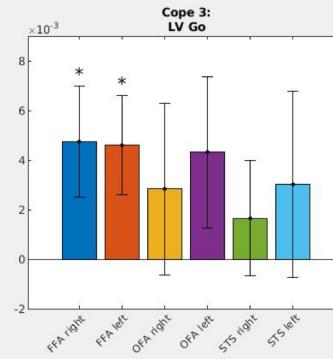
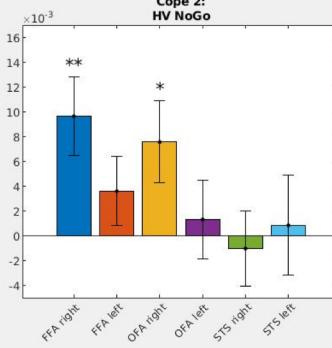
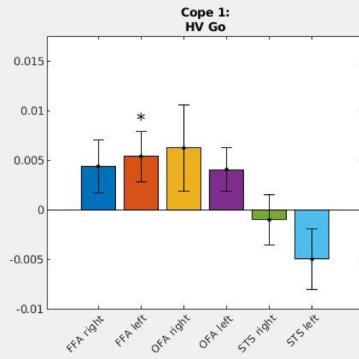
task-probe - 2nd level cope 1 (mean) - 3rd level mean



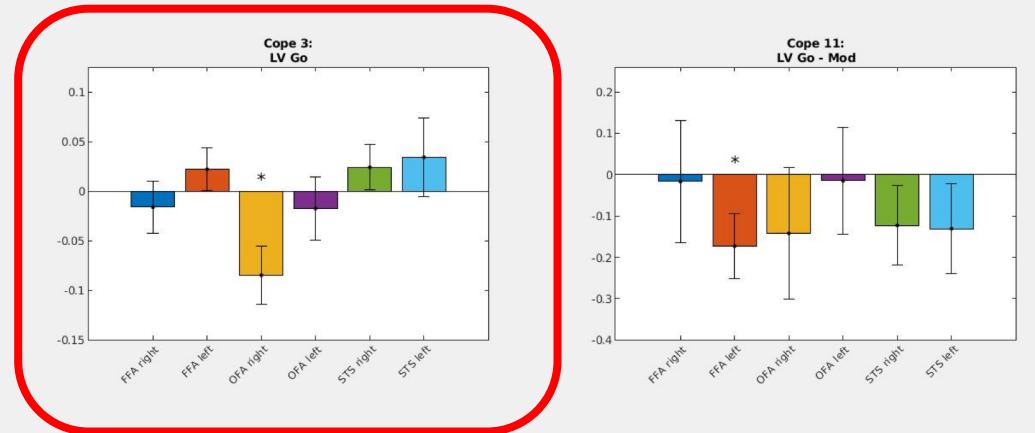
task-probe - 2nd level cope 1 (mean) - 3rd level mod by probe effect



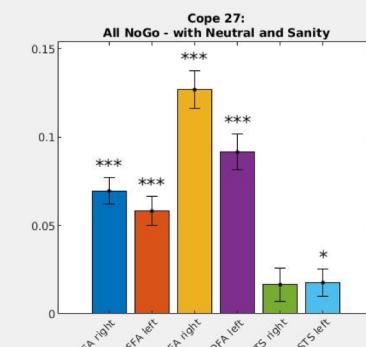
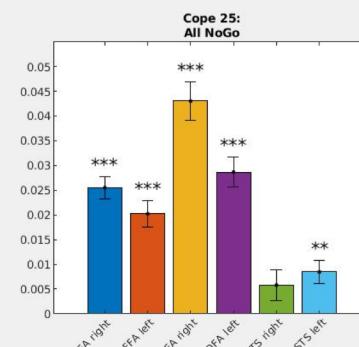
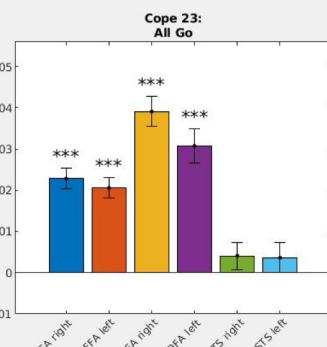
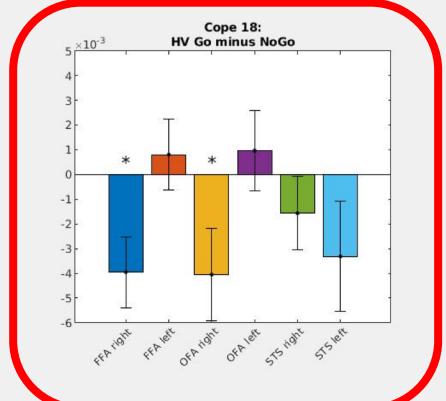
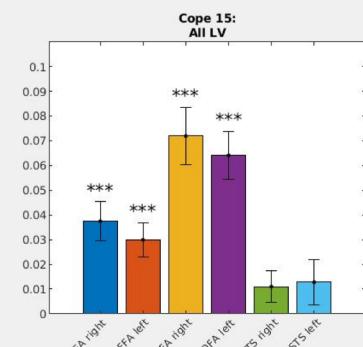
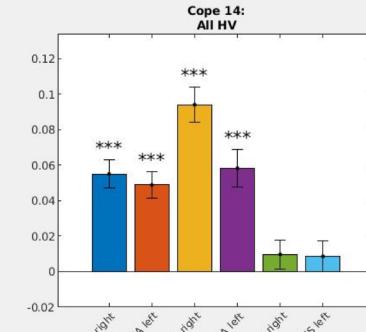
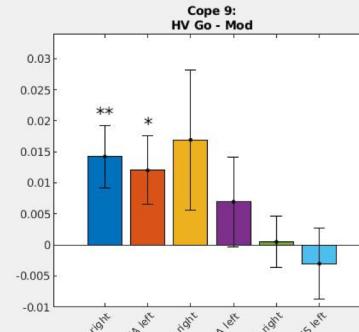
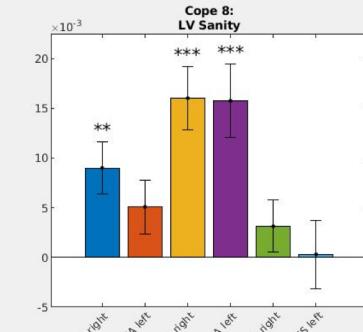
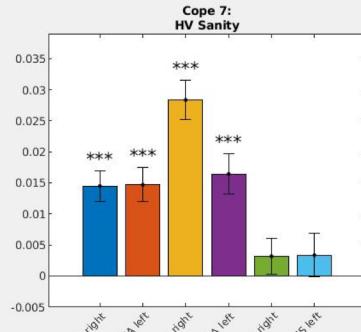
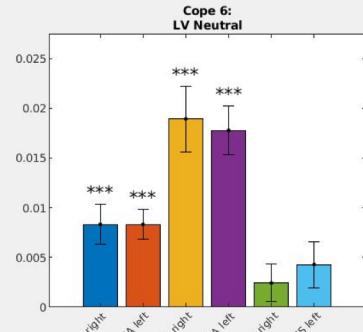
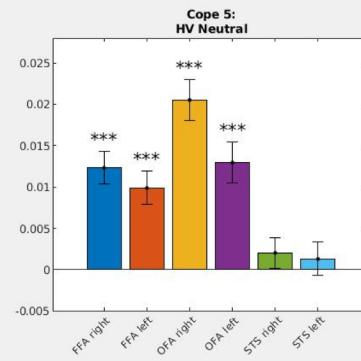
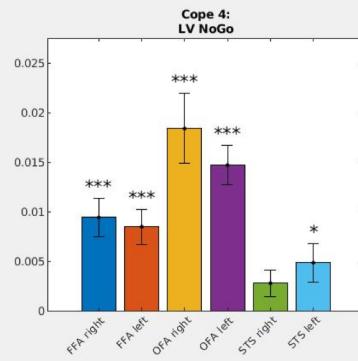
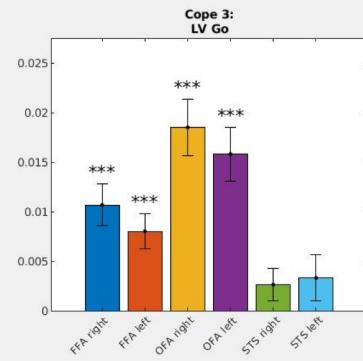
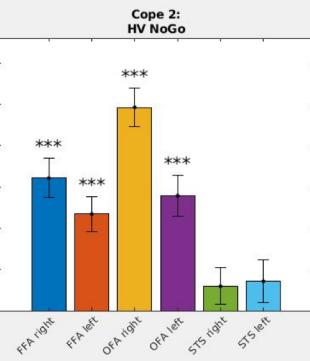
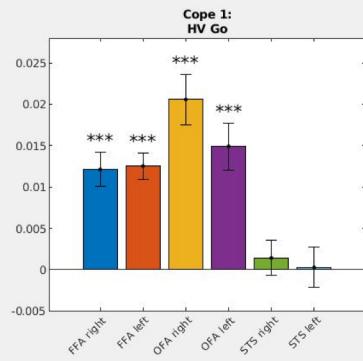
task-responsetostim - 2nd level cope 1 (after > before) - 3rd level mean



task-responsetostim - 2nd level cope 1 (after > before) - 3rd level mod by probe effect



task-responsetostim - 2nd level cope 4 (after) - 3rd level mean



task-responsetostim - 2nd level cope 4 (after) - 3rd level mod by probe effect

