

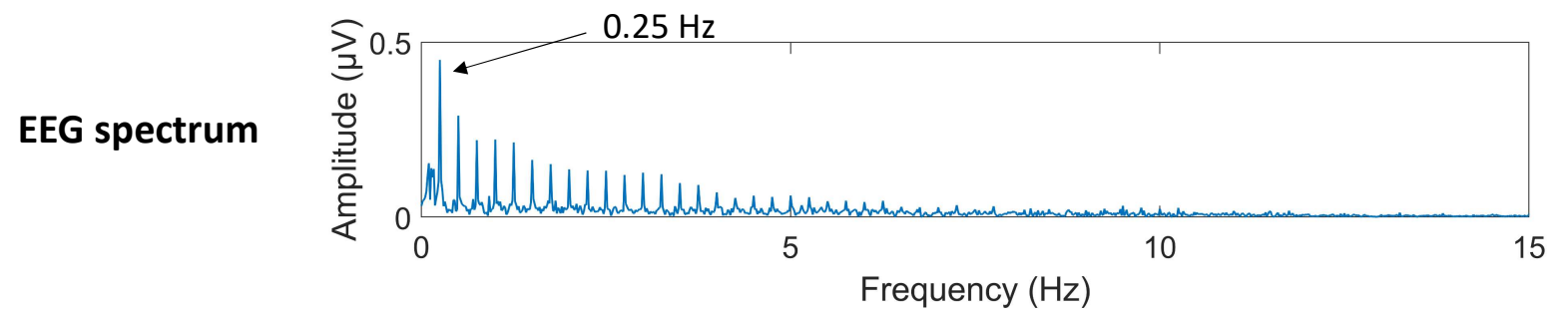
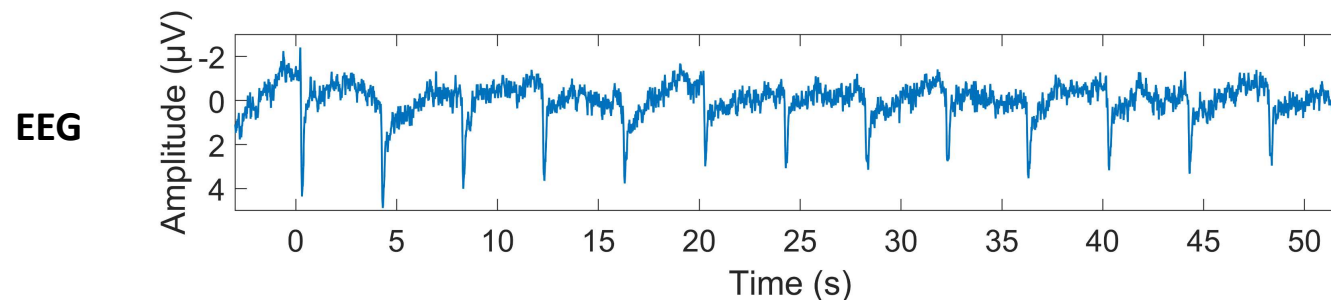
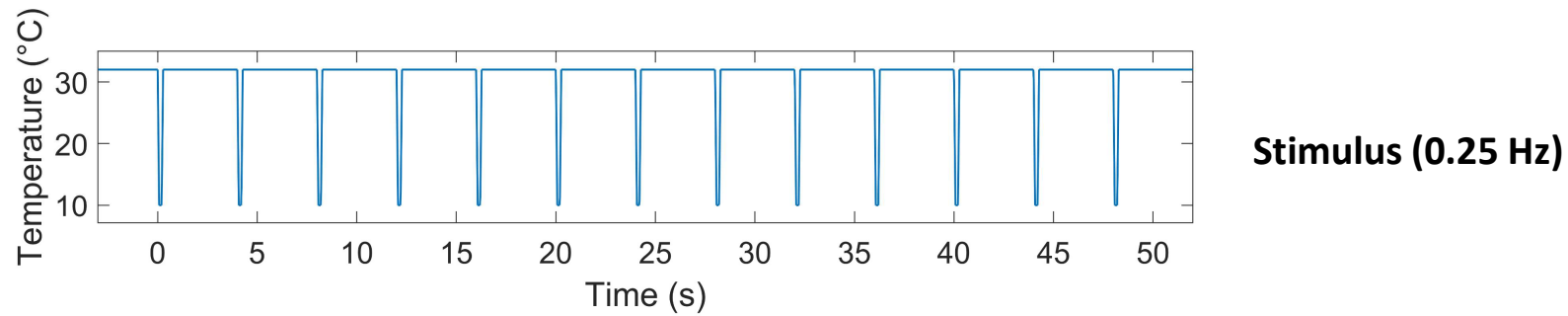
Frequency tagging of scalp EEG responses elicited by innocuous cold, noxious heat and vibrotactile stimulations

Arthur Courtin

Loïc Collin

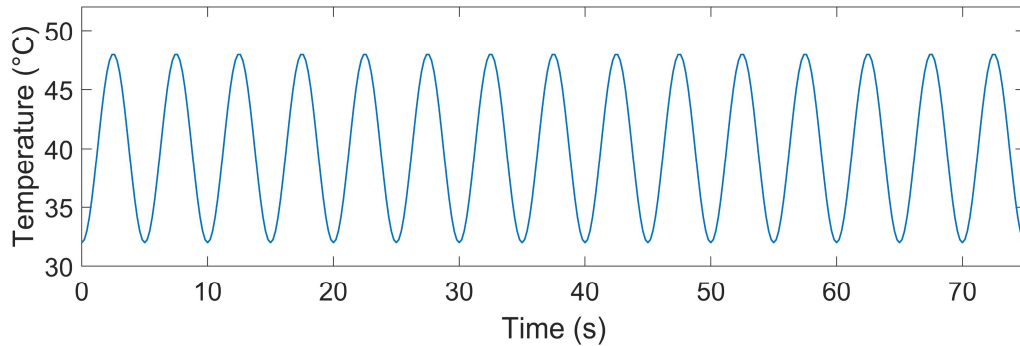
André Mouraux

Frequency tagging

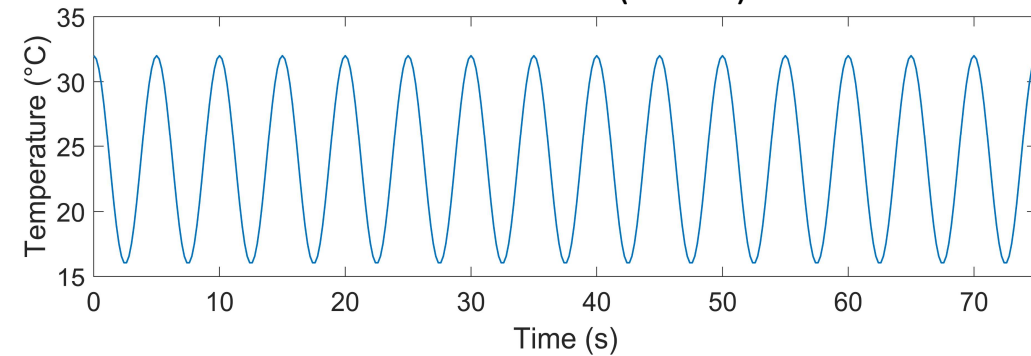


Repetitive thermal stimuli

Noxious heat stimulus (0.2 Hz)



Cold stimulus (0.2 Hz)

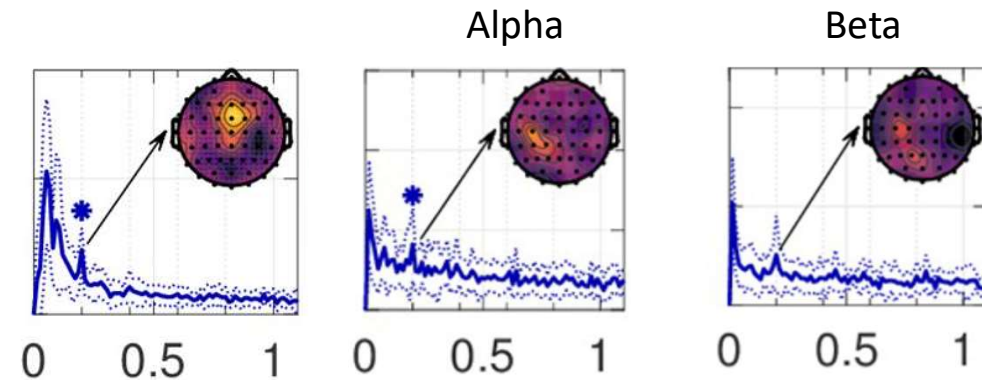
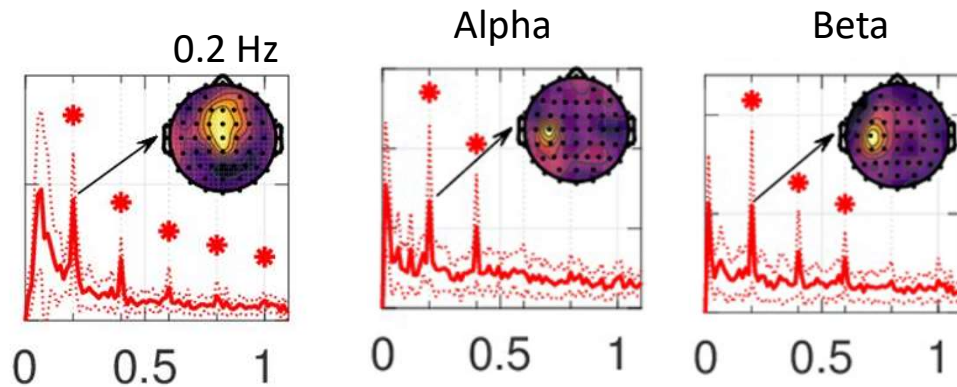


Phase locked

Phase locked

Phase locked

Phase locked

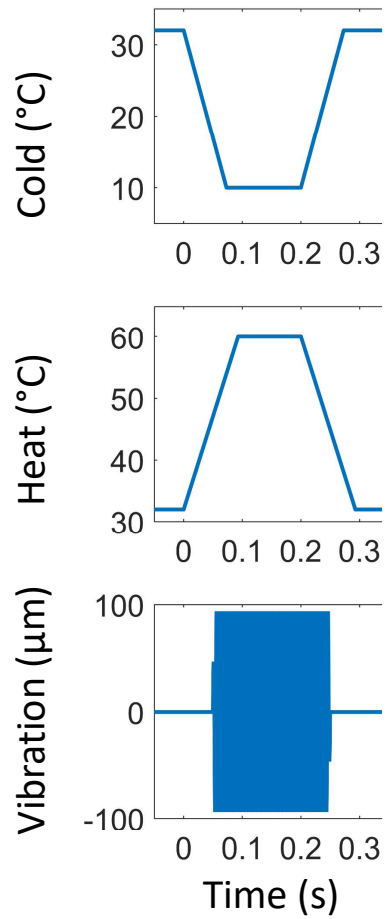


Repetitive somatosensory stimuli

Somatosensory

Thermal

Nociceptive



Frequency tagged responses

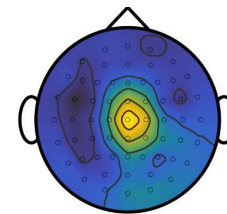
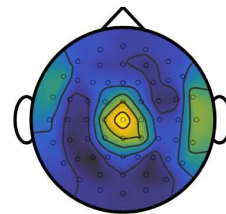
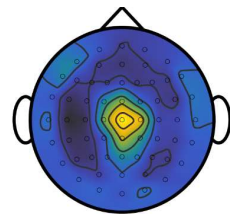
Group level median topographies

Cold

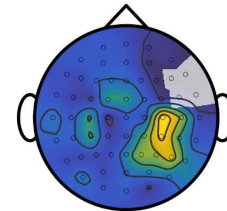
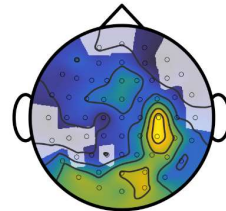
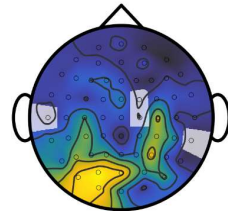
Heat

Vibration

Phase locked



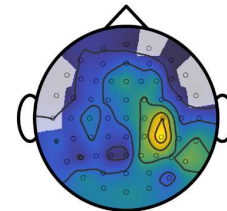
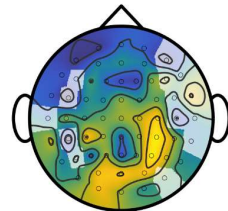
Alpha
(8-12 Hz)



*Electrodes without
periodic activity
are shaded in grey*

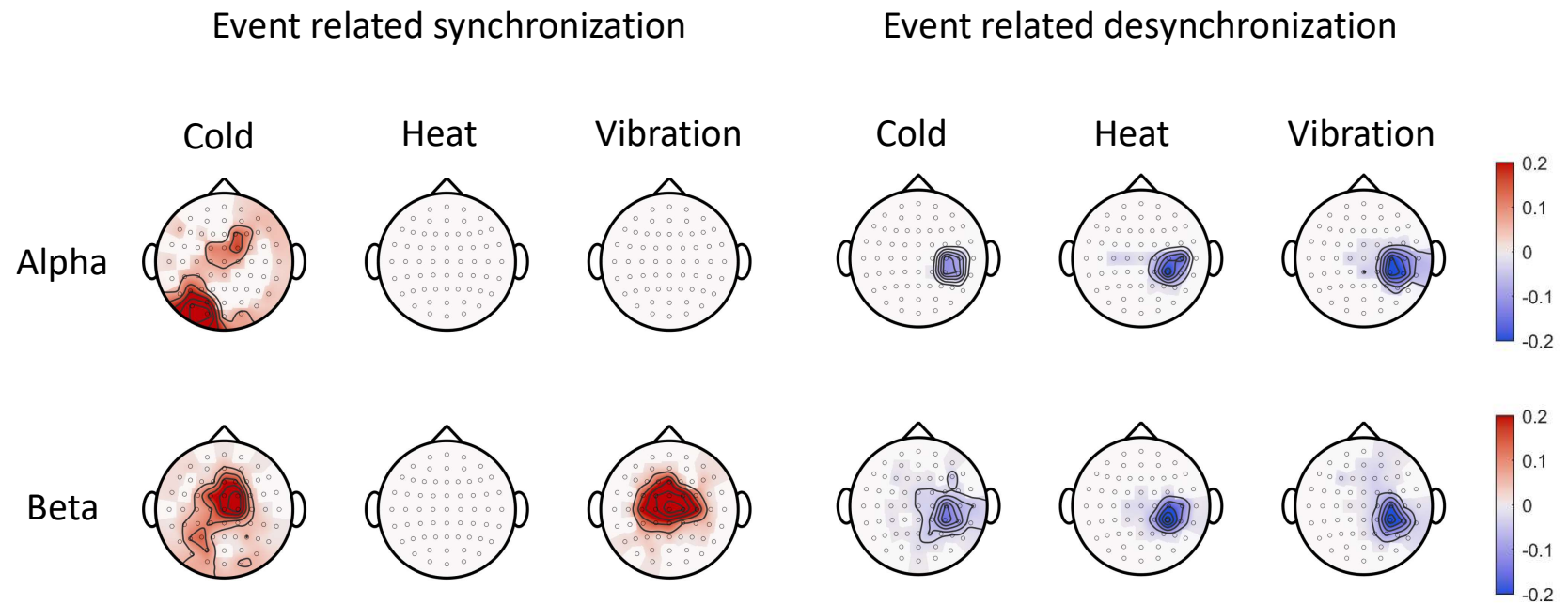
Non phase-locked

Beta
(12-30 Hz)



Thank you for your attention!

Time frequency analysis



Time frequency analysis

Group level time-frequency representation

*Only significant clusters
are plotted in color*

