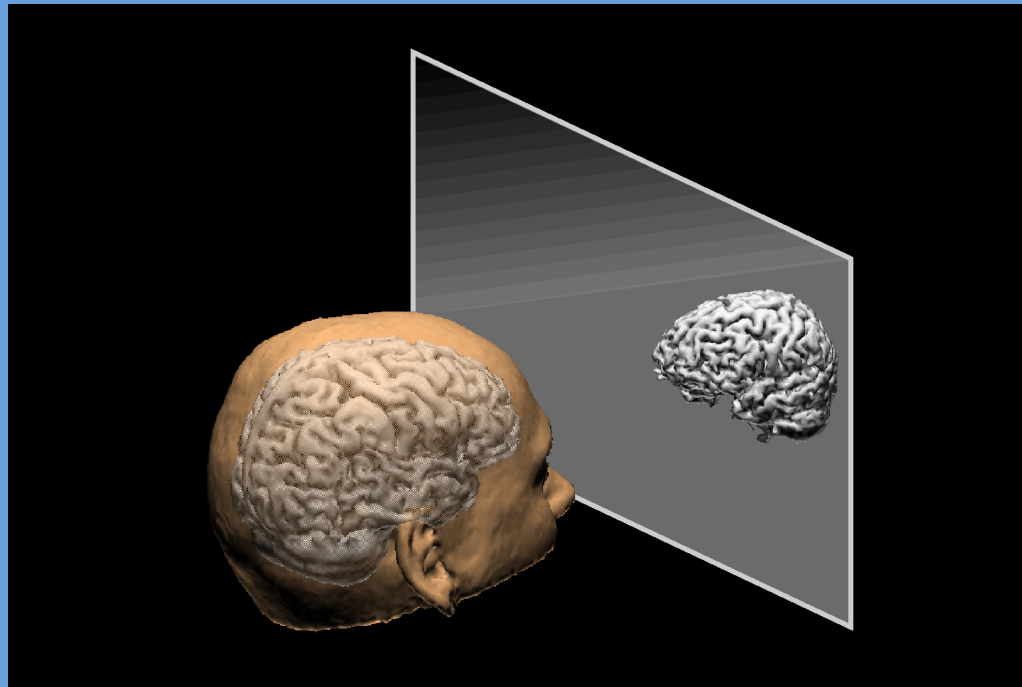


Dem Gehirn bei der Arbeit zusehen



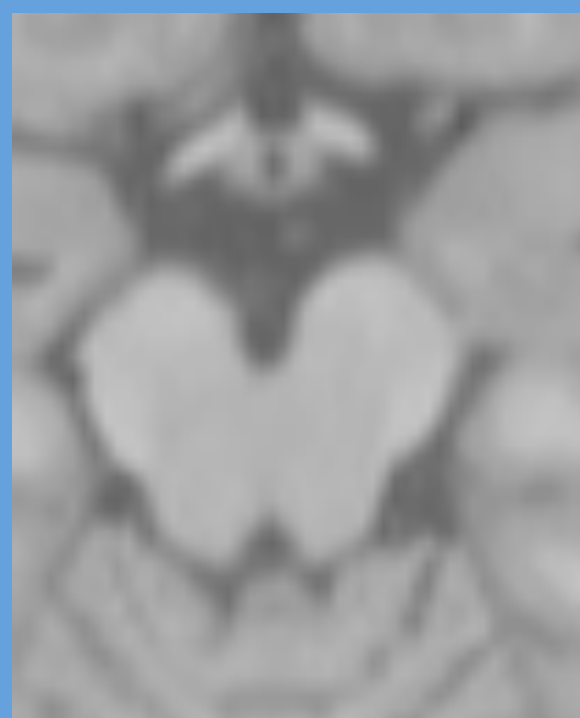
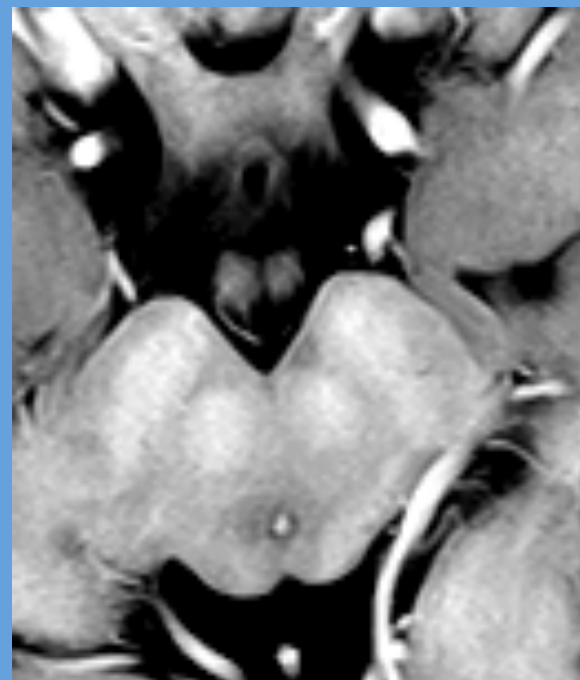
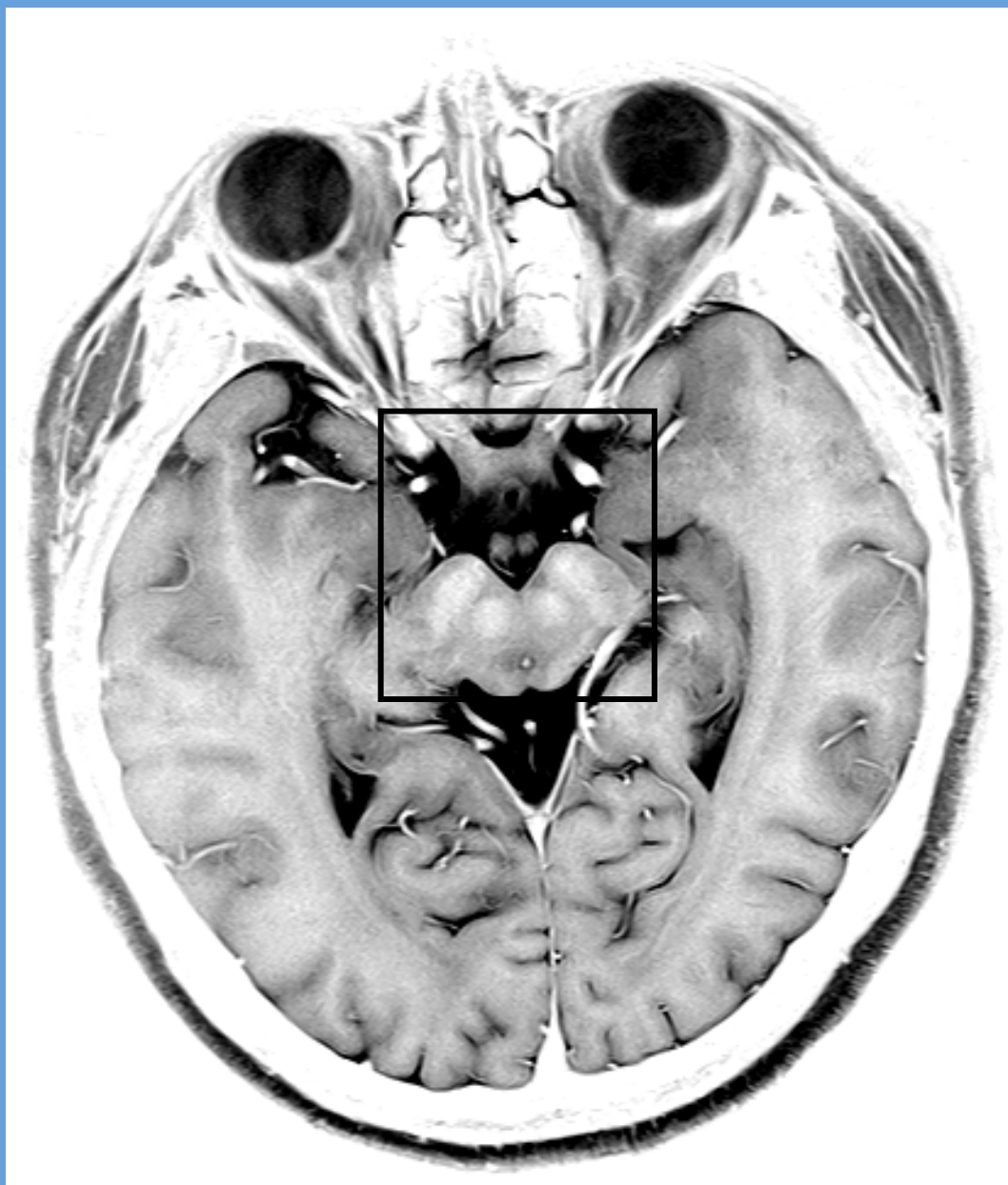


LIN

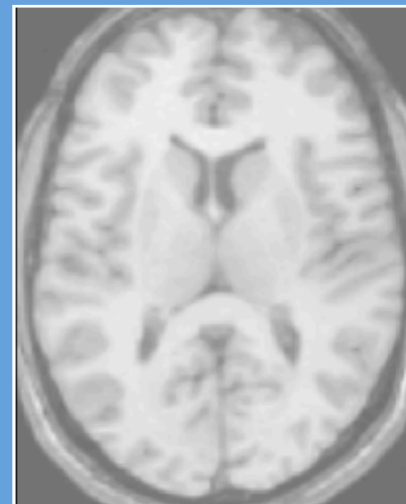
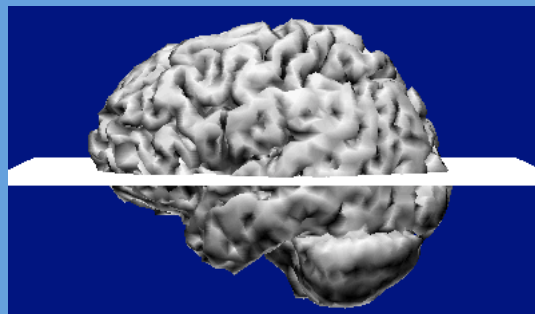
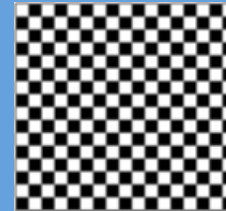
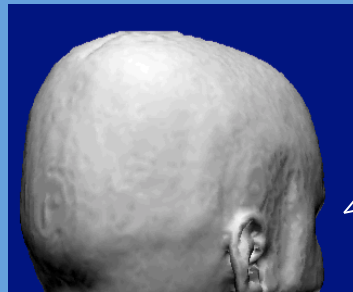
LEIBNIZ INSTITUTE
FOR NEUROBIOLOGY
MAGDEBURG

Geräte



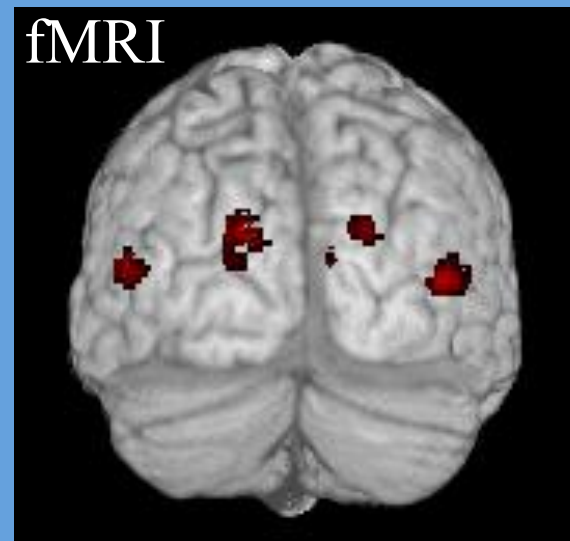


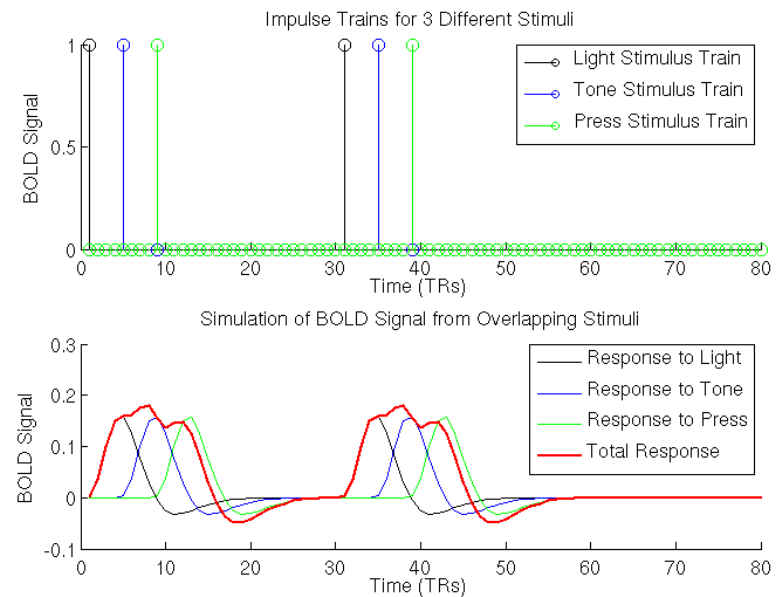
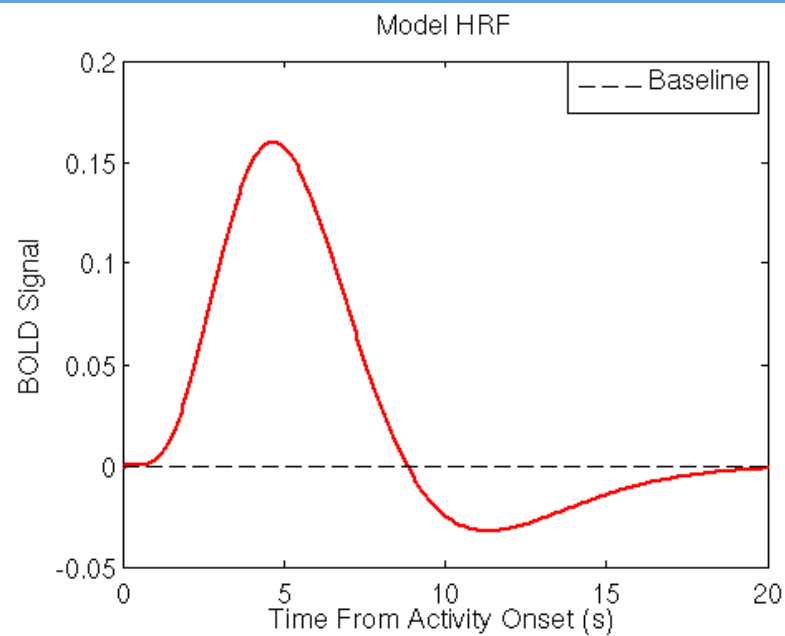
Funktionelles MRT (fMRT)



Methoden

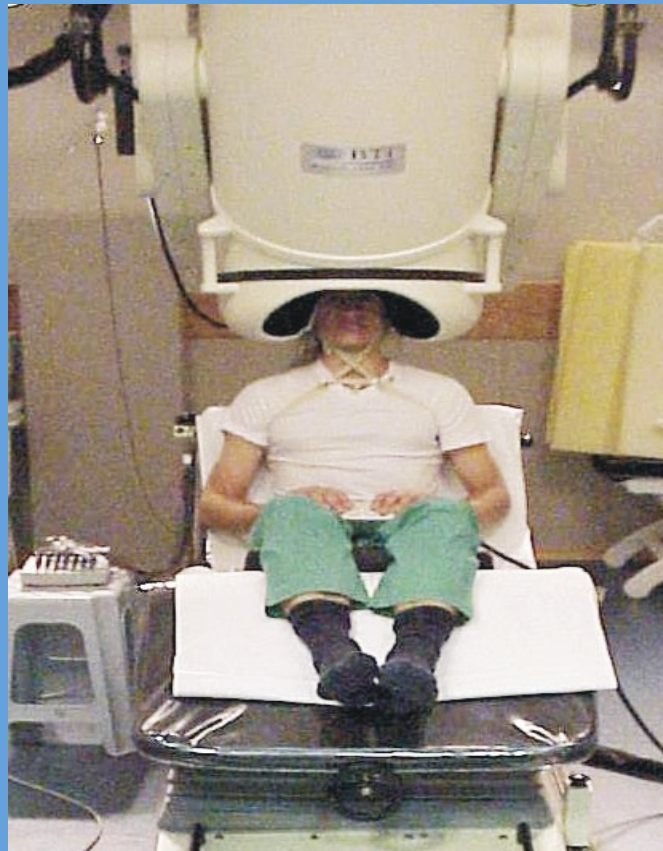
In welchen Regionen findet die Verarbeitung statt?





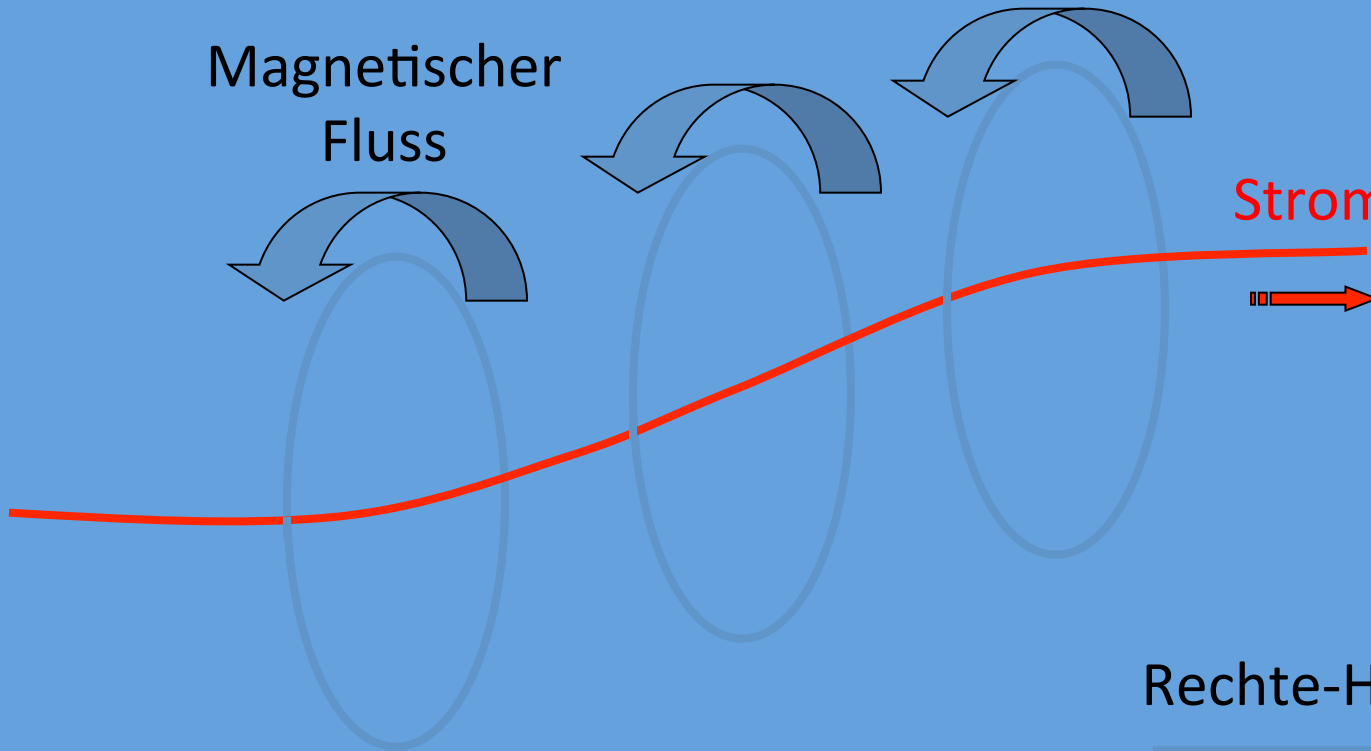
Geräte

Magnetencephalograph (MEG)

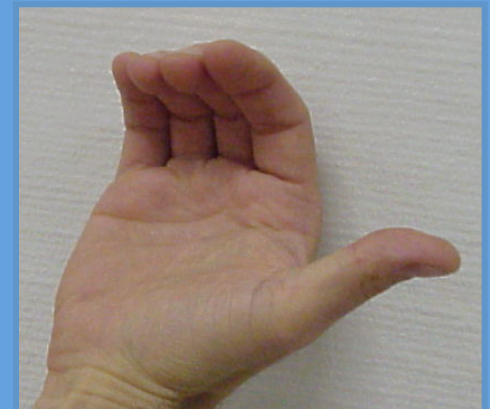


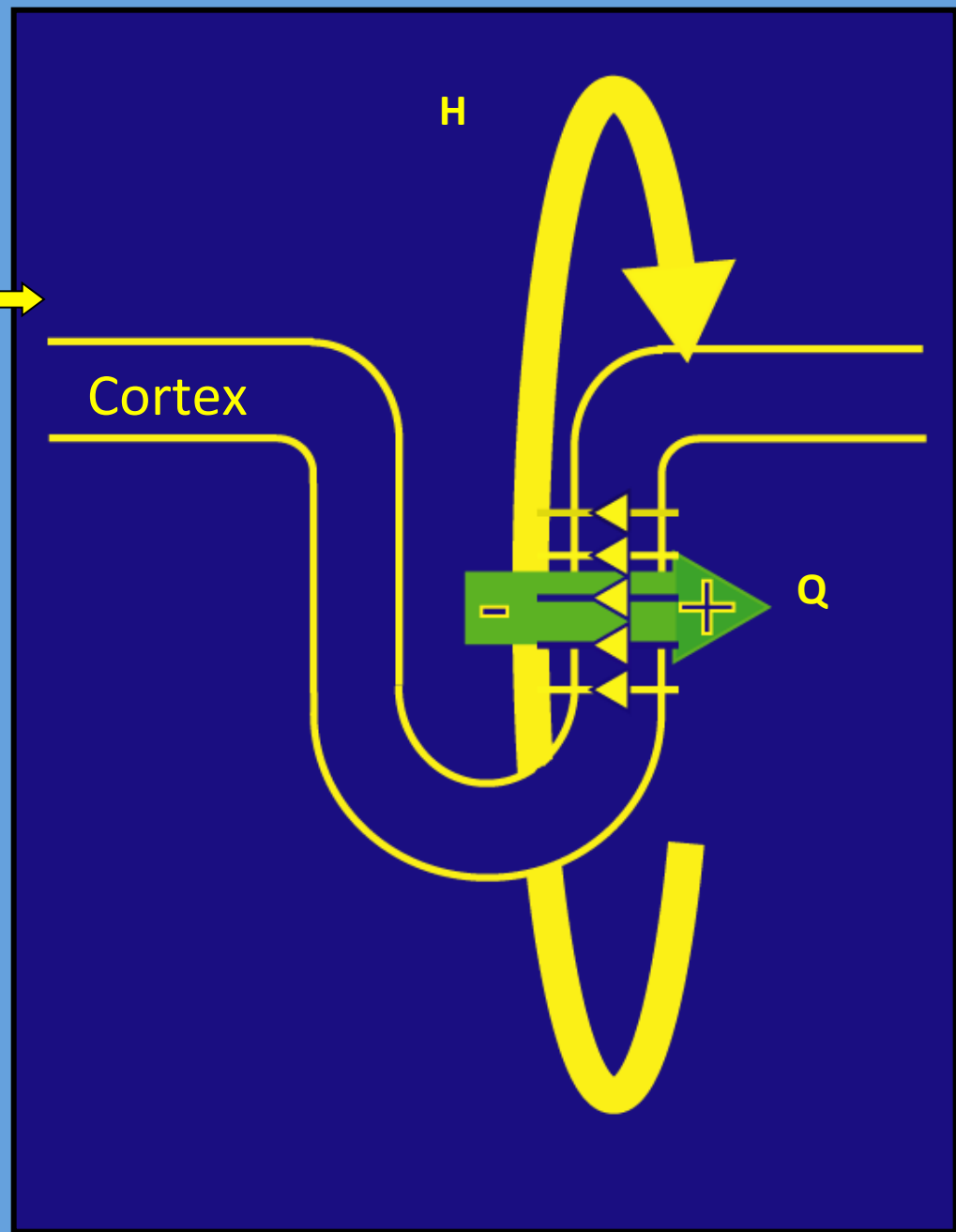
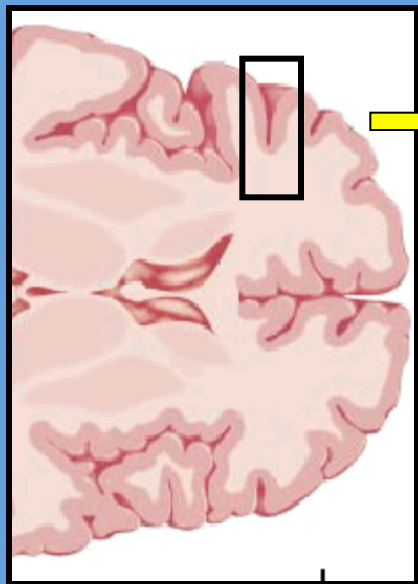
Magnetischer
Fluss

Stromfluss

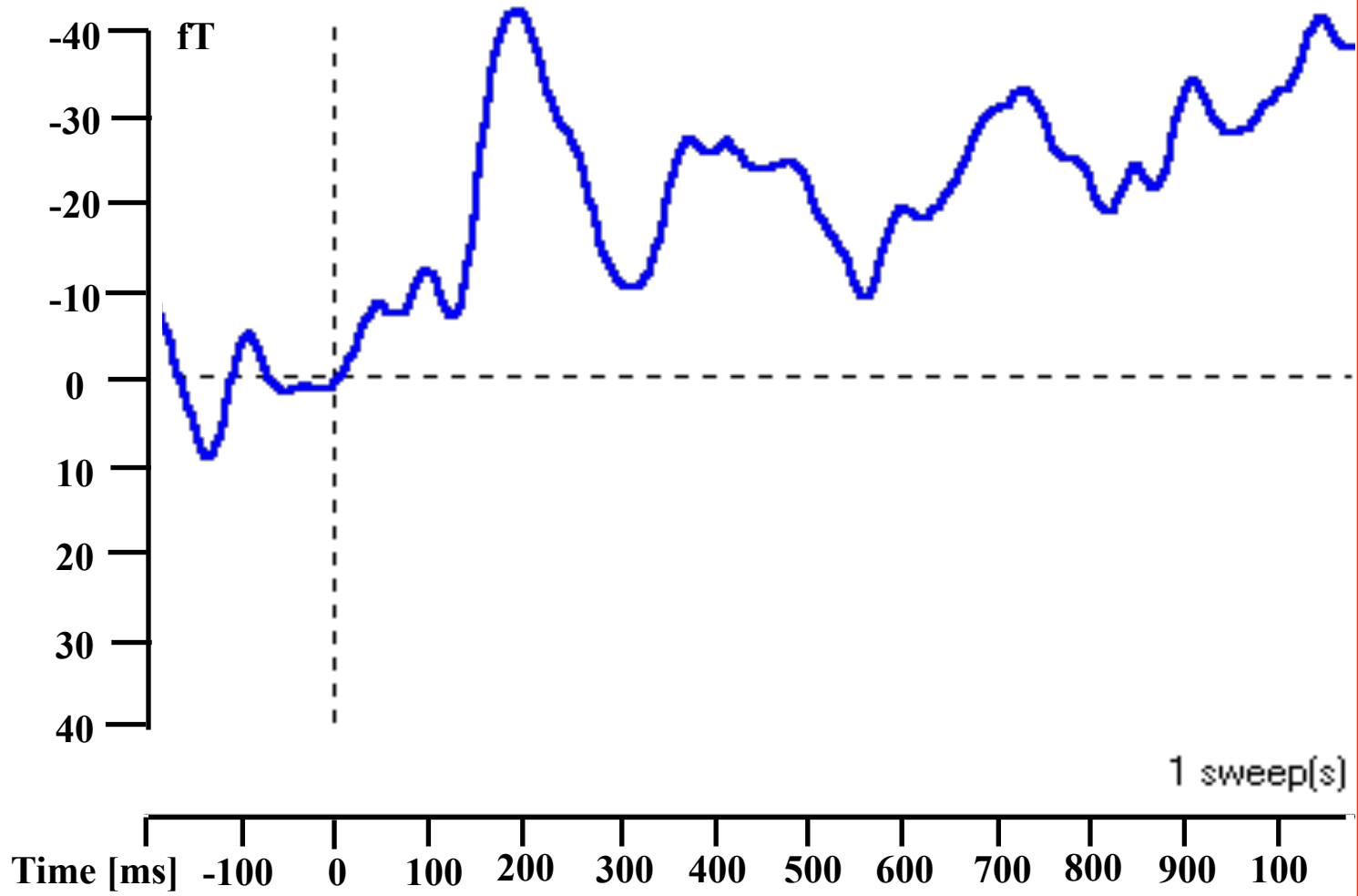


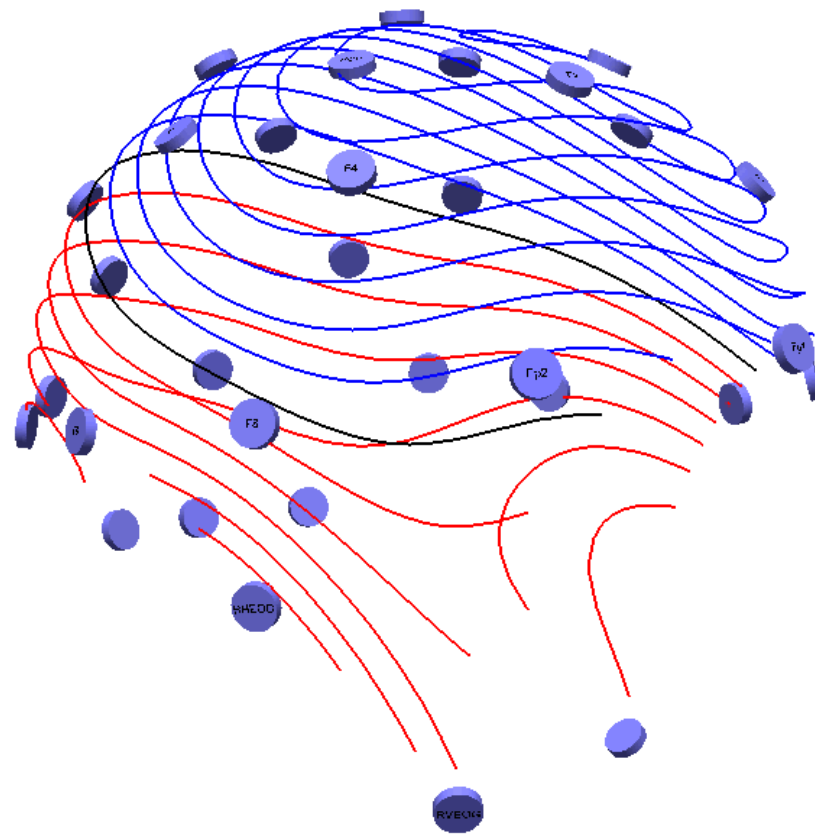
Rechte-Hand-Regel

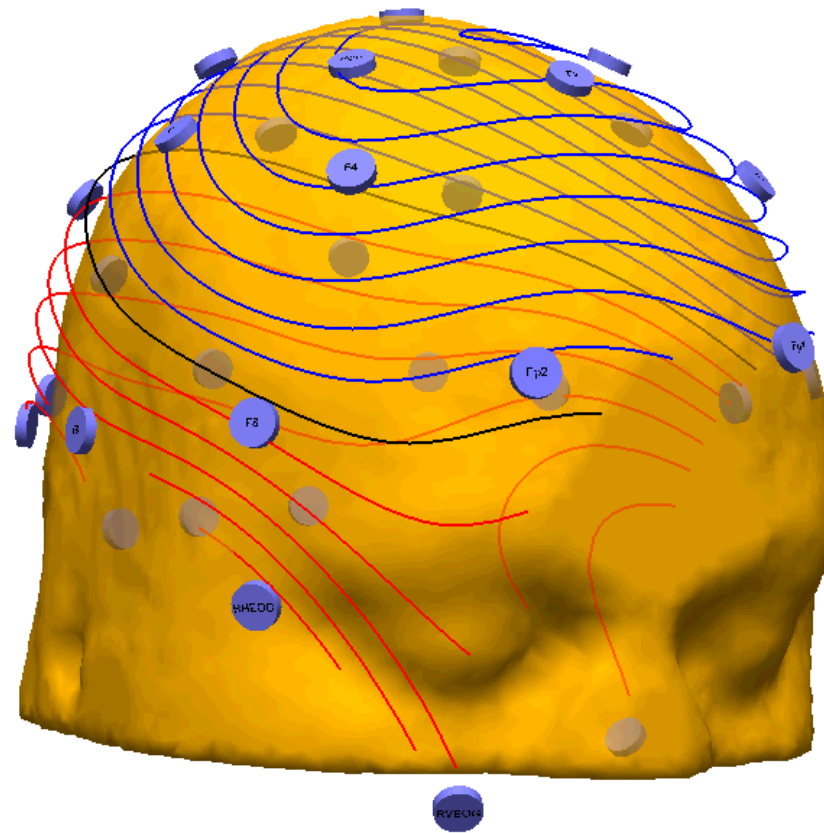


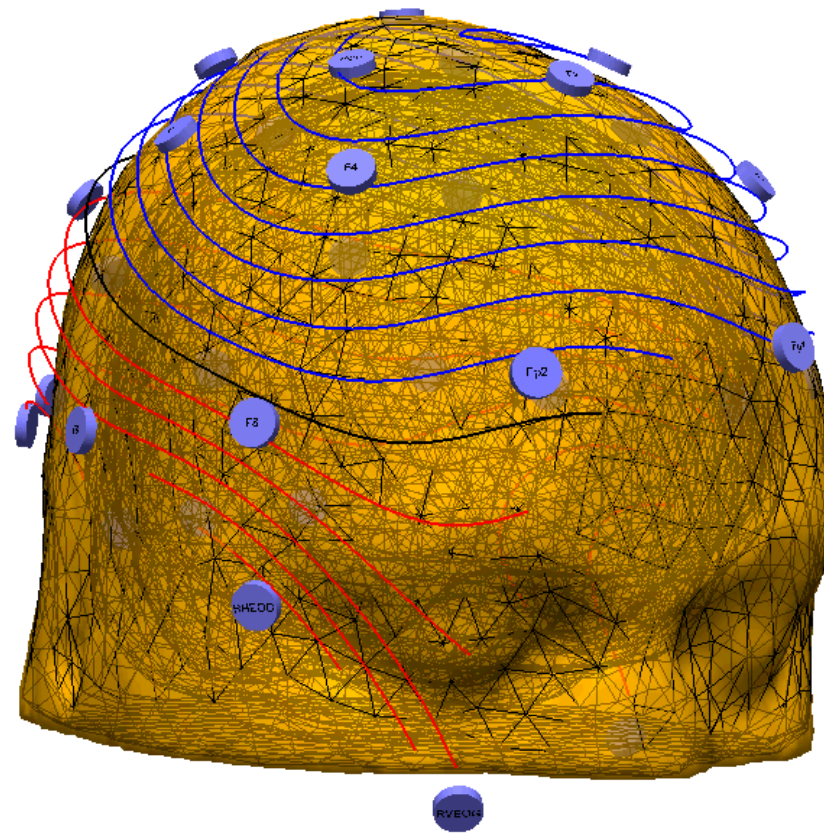


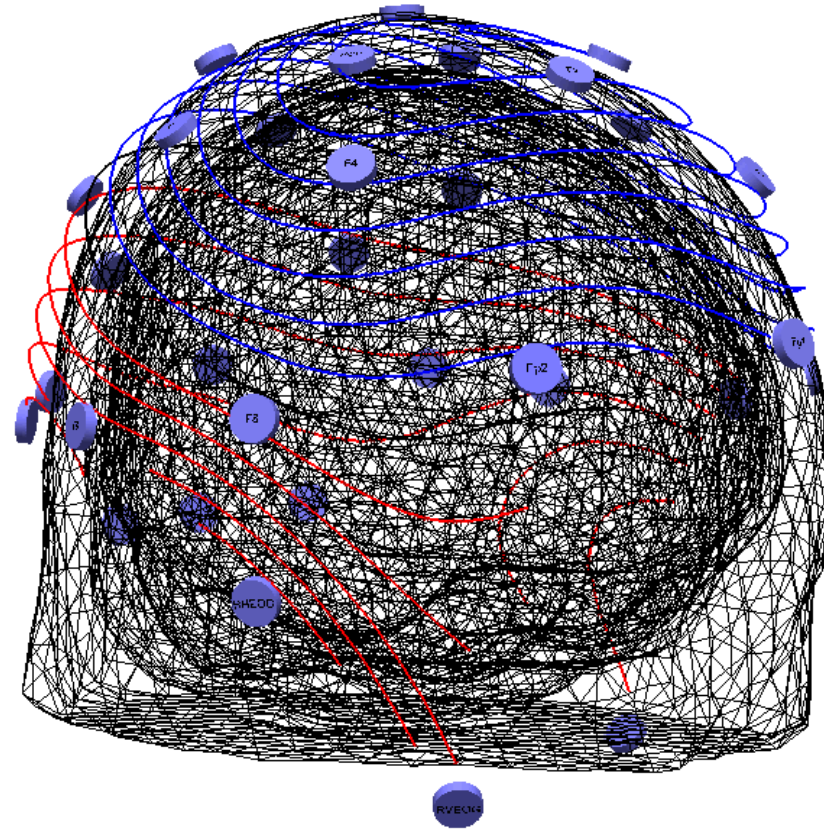
Mittelung Evozierter Magnetfelder

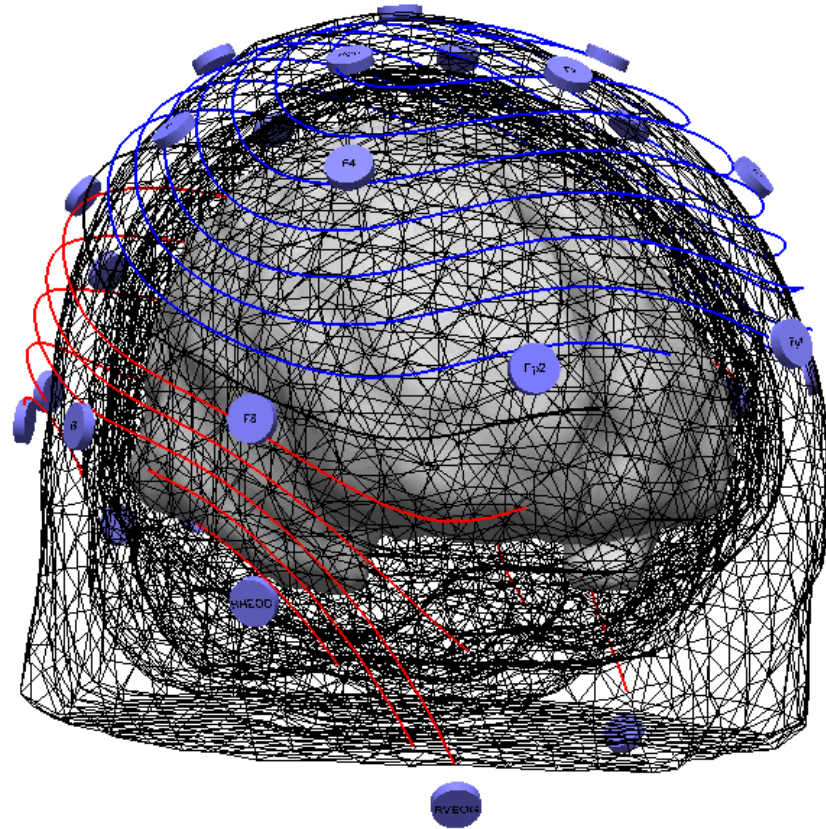


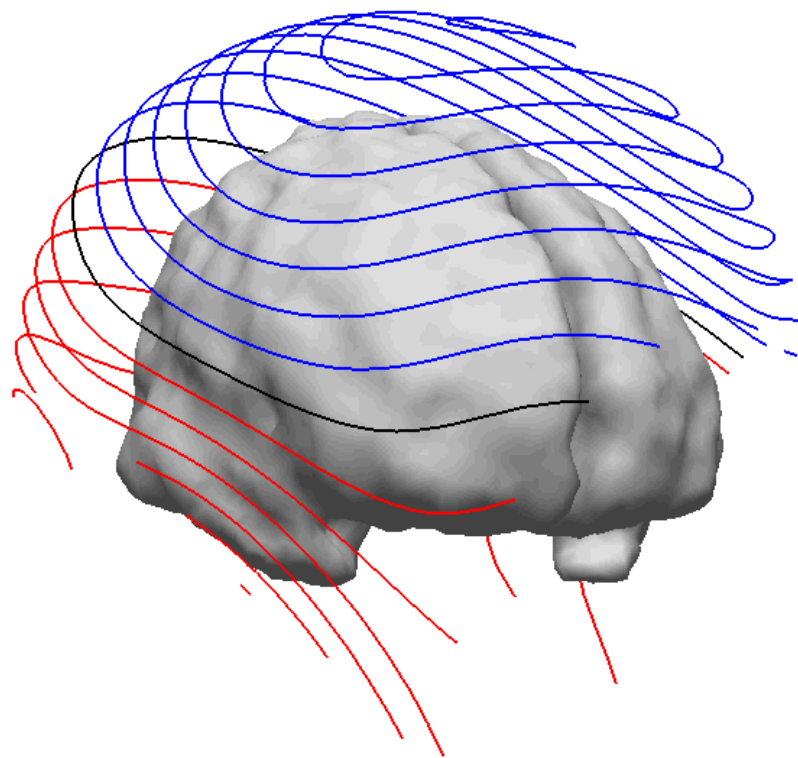


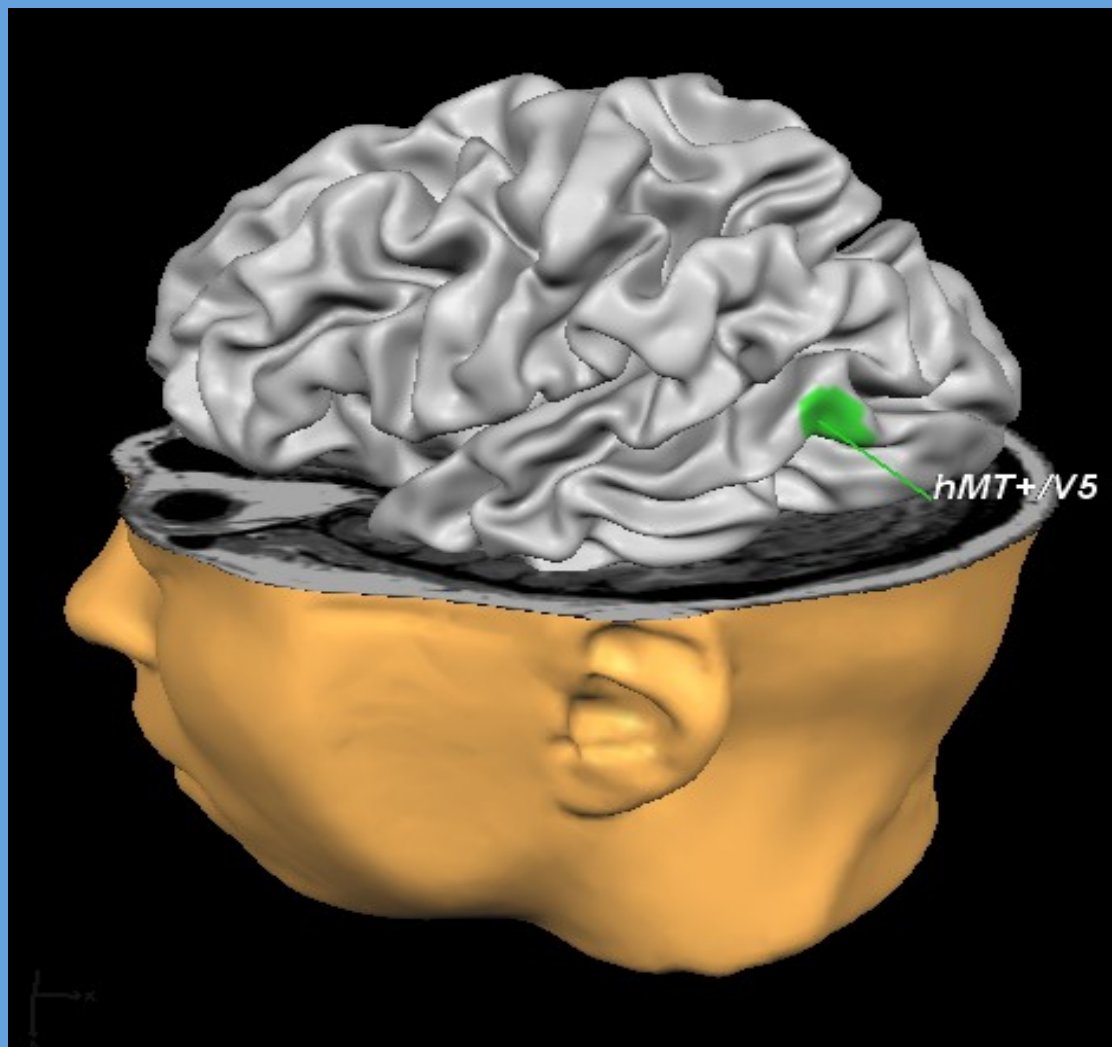




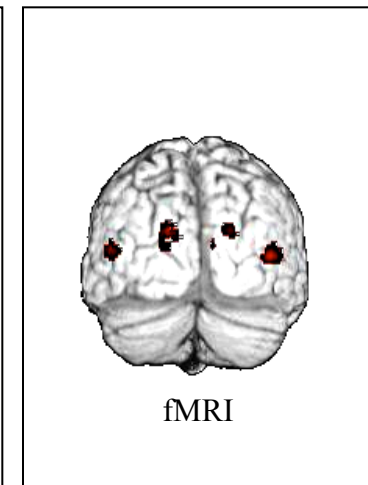
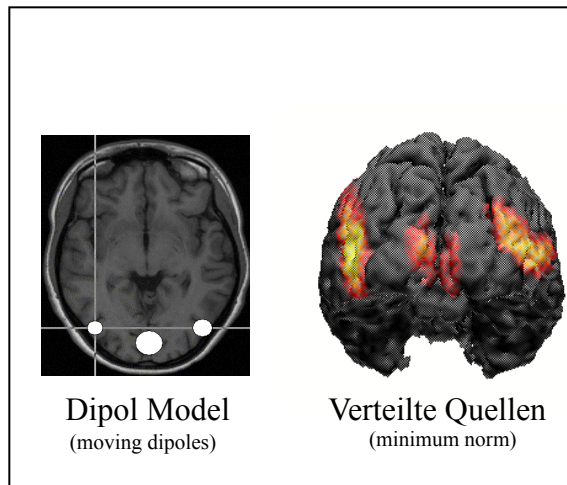
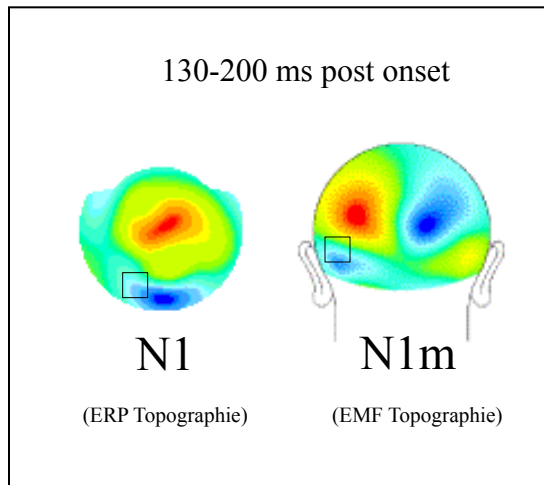
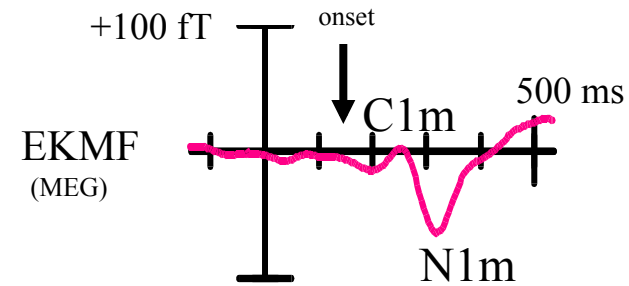
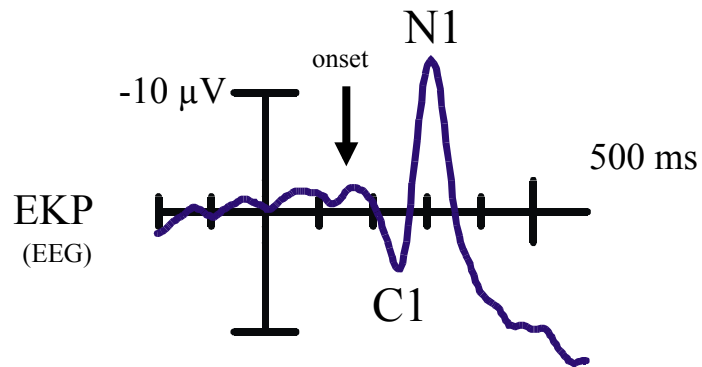








Methoden: Zeitliche Dynamik

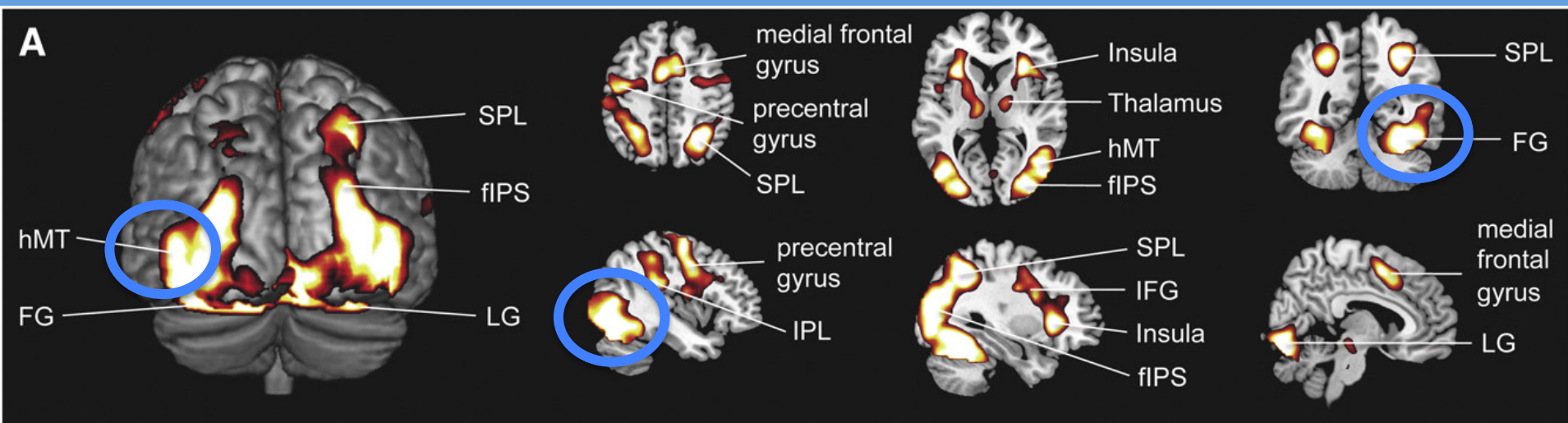


Räumliche Auflösung

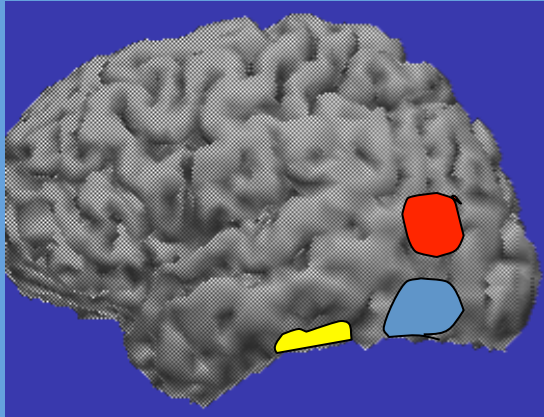
Zeitliche Auflösung

Form from motion task





1. Verarbeitungsorte



V5 - Bewegungsverarbeitung

LO – Form Extraktion

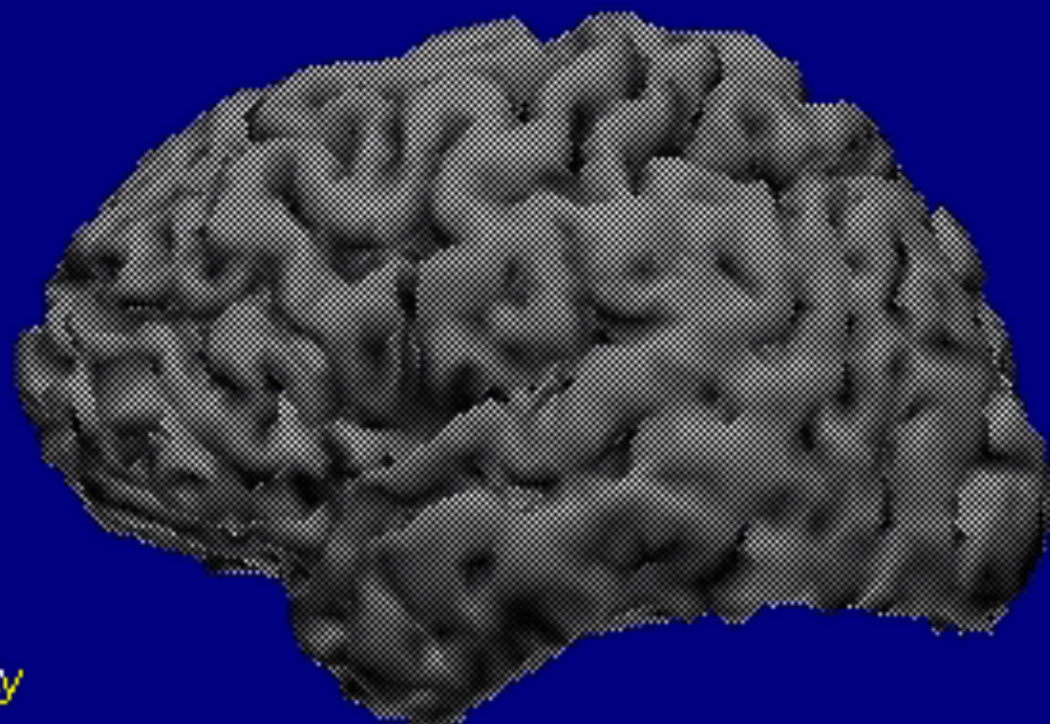
IT – Formverarbeitung

2. Zeitliche Dynamik ???

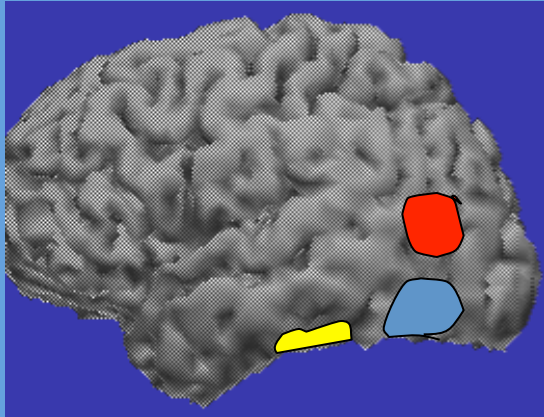
Serielle vs. Parallele Verarbeitung

181.2ms

Current Density



1. Verarbeitungsorte



V5 - Bewegungsverarbeitung

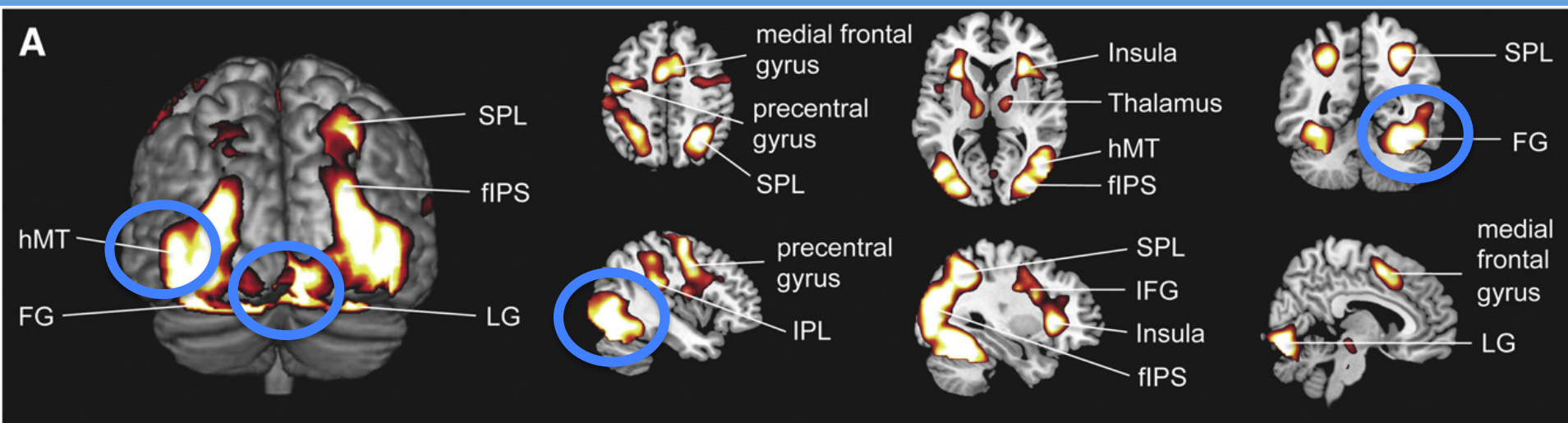
LO – Form Extraktion

IT – Formverarbeitung

2. Zeitliche Dynamik ???

Serielle vs. Parallele Verarbeitung

V5 → LO → IT



THANK
YOU

