Store LFP-LFP sync for sitepair *k*

Compute LFP-LFP phase sync average for sitepair *k* for condition *c*

*Lfp\_tfa\_compute\_sitepair\_sync.m*

Compute sync?

Store LFP trial data for site *j*

*c* < nconditions

Compute and store cross spectrum for sitepair *k*

*Lfp\_tfa\_compute\_sitepair\_csd.m*

*k* < nsitepairs

Calculation of baseline power for site *j*

*Lfp\_tfa\_compute\_baseline\_power.m*

Detection of noisy trials for site *j*

*Lfp\_tfa\_reject\_noisy\_lfp.m*

Compute time frequency spectrograms for all trials for site *j*

*Lfp\_tfa\_compute\_site\_tfr.m*

*j* < nsites

Read LFP data and conditions for all trials for all sites for session *i*

*Lfp\_tfa\_process\_lfp.m*

*i* < nsessions

Load settings

lfp\_tfa\_define\_settings.m

Start

3

2

1

2

1

*j* < nsites

Load LFP trial data for site *j*

*c* < nconditions

ComputE and plot LFP TFR average for site *j* for condition *c*

*lfp\_tfa\_compute\_siteavg\_tfs.m*

ASJF:IKAFLJFSLK

LAISJ<FSKL<FLKJ

Store site average TFR, evoked, power spectrum

ComputE and plot LFP evoked response average for site *j* for condition *c*

*lfp\_tfa\_compute\_siteavg\_evoked.m*

AFJLAS-JLKSJLKAFS

AOJSLIJSL-FJK

ComputE and plot LFP power spectrum average for site *j* for condition *c*

*lfp\_tfa\_compute\_siteavg\_psd.m*

Store session average TFR, evoked, power and sync

*Compute sync?*

Compute and plot LFP-LFP sync average for all sites of session *i* for condition *c*

*lfp\_tfa\_compute\_siteavg\_tfs.m*

Compute and plot LFP TFR average for all sites of session *i* for condition *c*

*lfp\_tfa\_compute\_siteavg\_tfs.m*

ComputE and plot LFP power spectrum average for all sites of session *i* for condition *c*

*lfp\_tfa\_compute\_siteavg\_psd.m*

ComputE and plot LFP evoked response average for all sites of session *i* for condition *c*

*lfp\_tfa\_compute\_siteavg\_evoked.m*

*c* < nconditions

*h <* nhemispherees

3

End

Store average across sessions

Store average across sites/sitepairs

Average across sessions?

*c* < nconditions

ComputE and plot ppc spectrogram average across all sessions for condition *c*

*lfp\_tfa\_compute\_siteavg\_psd.m*

ComputE and plot LFP power spectrum average across all sessions for condition *c*

*lfp\_tfa\_compute\_siteavg\_psd.m*

ComputE and plot LFP evoked response average across sessions for condition *c*

*lfp\_tfa\_compute\_siteavg\_evoked.m*

Compute and plot LFP TFR average across sessionsfor condition *c*

*lfp\_tfa\_compute\_siteavg\_tfs.m*

*c* < nconditions

ComputE and plot LFP evoked response average for all sites of all sessions for condition *c*

*lfp\_tfa\_compute\_siteavg\_evoked.m*

Compute and plot LFP TFR average for all sites of all sessionsfor condition *c*

*lfp\_tfa\_compute\_siteavg\_tfs.m*

ComputE and plot ppc spectrogram average for all sitepairs of all sessions for condition *c*

*lfp\_tfa\_compute\_siteavg\_psd.m*

ComputE and plot LFP power spectrum average for all sites of all sessions for condition *c*

*lfp\_tfa\_compute\_siteavg\_psd.m*

Average across sites?

h < nhemispheres ?