

- Pi

- needs additional board
- no ADC on board of the Pi

- Sampling

- find frequency of EMG/EEG
- for good/clear sampling rate \rightarrow follow Nyquist Th.
- compare processor with this speed.

EEG - 32⁺ Hz

EMG - 7-20 Hz

Ideal reading - 500 Hz

Dr. Spalletta Brain stem study results:

signals \rightarrow 1 kHzvalues \rightarrow -1.1 mV to +1.3 mV