|  |  |  |  |
| --- | --- | --- | --- |
|  | EMG | OPM Y | OPM Z |
| HC | 4.5 ± 2.7\*10^-6 V²/Hz | 1.4 ± 3.1\*10^-4 pT²/Hz | 2.1 ± 6.5\*10^-4 pT²/Hz |
| MC | 3.0 ± 1.2\*10^-6 V²/Hz | 1.3 ± 1.0\*10^-4 pT²/Hz | 1.6 ± 1.4\*10^-4 pT²/Hz |
| ATTR | 0.8 ± 0.2\*10^-6 V²/Hz | 2.9 ± 0.8\*10^-4 pT²/Hz | 1.7 ± 0.3\*10^-4 pT²/Hz |
| CMT2 | 4.8 ± 0.9\*10^-6 V²/Hz | 0.6 ± 0.2\*10^-4 pT²/Hz | 0.4 ± 0.2\*10^-4 pT²/Hz |

***Supplementary Material Table 1***: PSD median ± IQR

|  |  |  |  |
| --- | --- | --- | --- |
|  | EMG | OPM Y | OPM Z |
| HC | 1.6 ± 1.0\*10^-4 V²/Hz | 0.8 ± 1.0\*10^-2 pT²/Hz | 0.7 ± 1.9\*10^-2 pT²/Hz |
| MC | 1.0 ± 0.6\*10^-4 V²/Hz | 0.6 ± 0.5\*10^-2 pT²/Hz | 0.6 ± 0.5\*10^-2 pT²/Hz |
| ATTR | 0.3 ± 0.0\*10^-4 V²/Hz | 1.1 ± 0.1\*10^-2 pT²/Hz | 0.8 ± 0.1\*10^-2 pT²/Hz |
| CMT2 | 2.0 ± 0.3\*10^-4 V²/Hz | 0.3 ± 0.1\*10^-2 pT²/Hz | 0.2 ± 0.1\*10^-2 pT²/Hz |

***Supplementary Material Table 2:*** SD median ± IQR