EMG Case 4 vs 5 Comparison (per Participant – normalized) Case 4 (Left Extensor) Case 4 (Left Extensor) Case 5 (Right Extensor) Case 5 (Right Extensor) 60 50 47.7434 46.1399 1500 42.3254 40 37.2358 37.1501 34.8749 33.9037 1000 30 25.9099 23.3282 22.712 20 15.951 500 10 -70.2873 43.169 132.822 **11**1.969 **10**4.327 2.9406 93.7697 task6 task3 task4 task6 task8 task9 task10 task11 task2 task5 task7 task8 task9 task11 task12 task1 task2 task5 task7 task1 task3 task4 task10 P3 P4 301.154 297.73 297.262 Case 4 (Left Extensor) Case 4 (Left Extensor) Case 5 (Right Extensor) Case 5 (Right Extensor) 269.004 **24**.3735 25 250 238.835 239.955 236.445 233.827 **22**.0116 223.179 21.4272 215.519 201.727 20 200 17.9986 17.9759 179.163 15 -150 -10 -100 task5 task11 task3 task4 task6 task7 task8 task10 task2 task5 task6 task7 task8 task9 task10 task9 task3 task4