Shift decoding errors for filter populations of different size Number of filters=18 Number of filters=50 Number of filters=128 [0]60 40 50 Decoding error 40 -20 25 -20 -0 **-20** -25-20--40 -50-**-40** -6060.81 9.9 9.9 60.81 9.9 60.81 Number of filters=392 Number of filters=968 20-20 10 0 -20-10-4060.81 9.9 60.81 9.9 Ρ

Real shift magnitude [°]