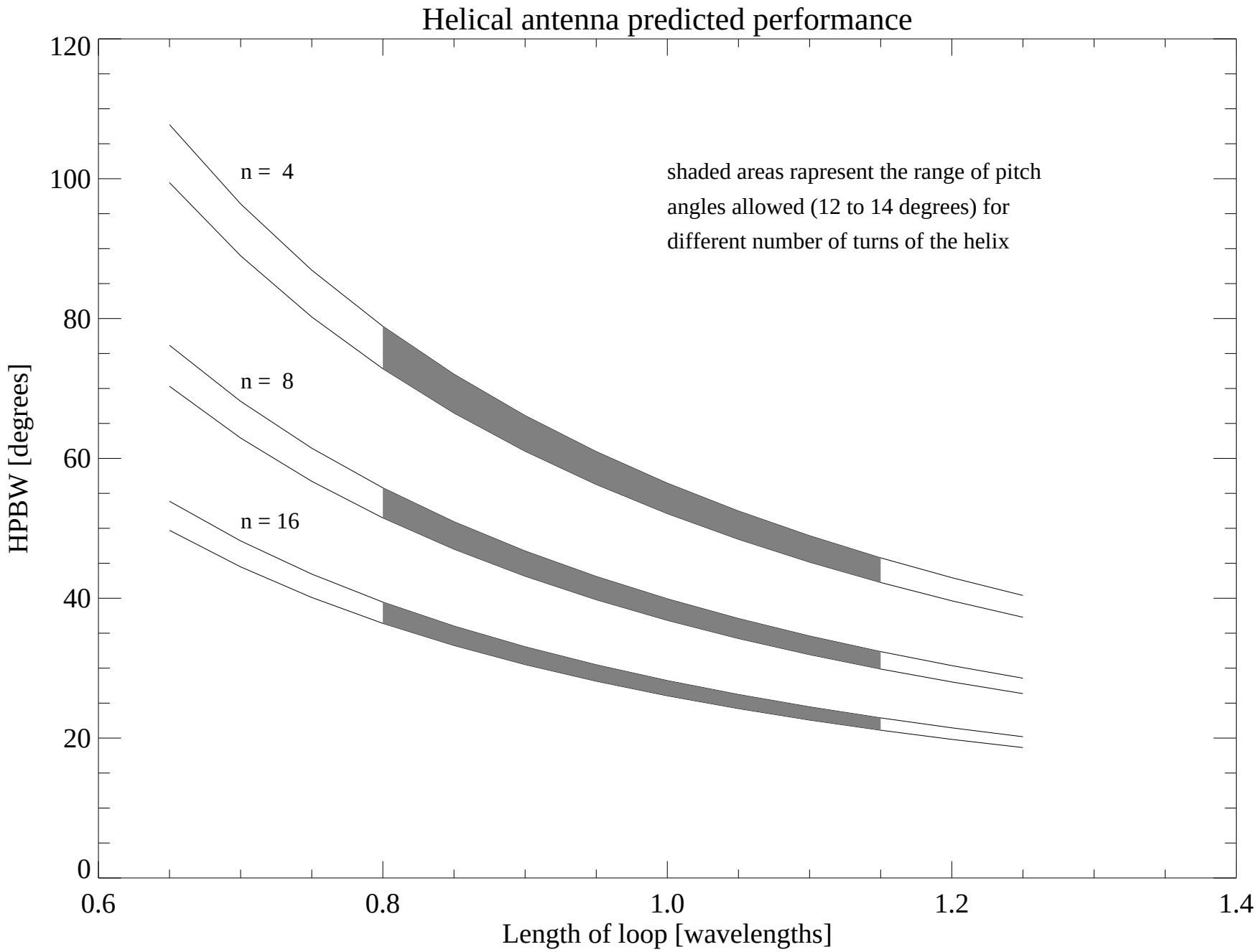
n = 4 ; a = 12


Helical antenna predicted performance
n = 4
n = 8
n = 16
shaded areas rapresent the range of pitch
angles allowed (12 to 14 degrees) for
different number of turns of the helix
HPBW [degrees]
120
100
80
60
40
20
0
0.6
0.8
1.0
1.2
1.4
Length of loop [wavelengths]