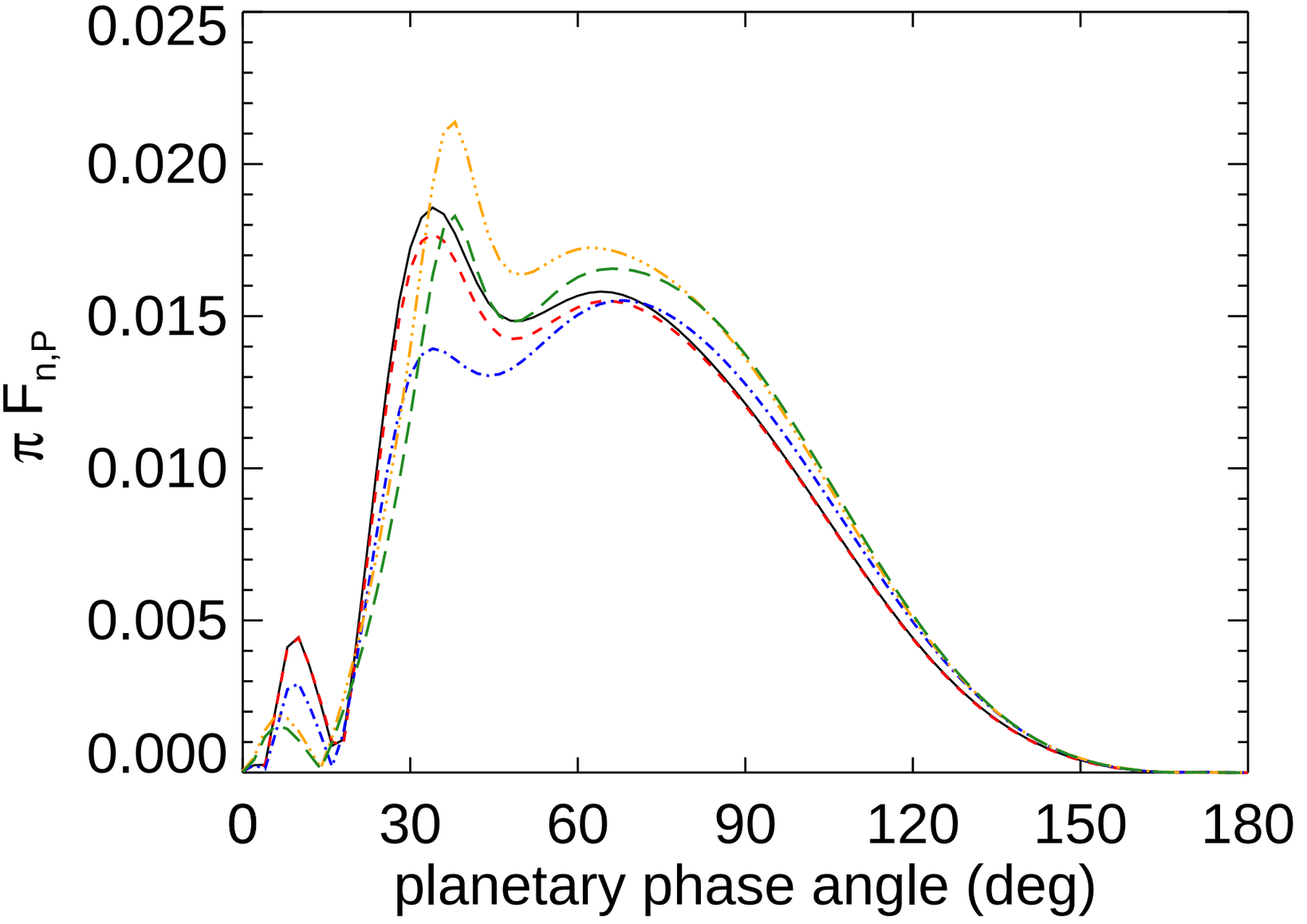
0.025
0.020
0.015
0.010
0.005
0.000
π F n,P
0
30
60
90
120
150
180
planetary phase angle (deg)