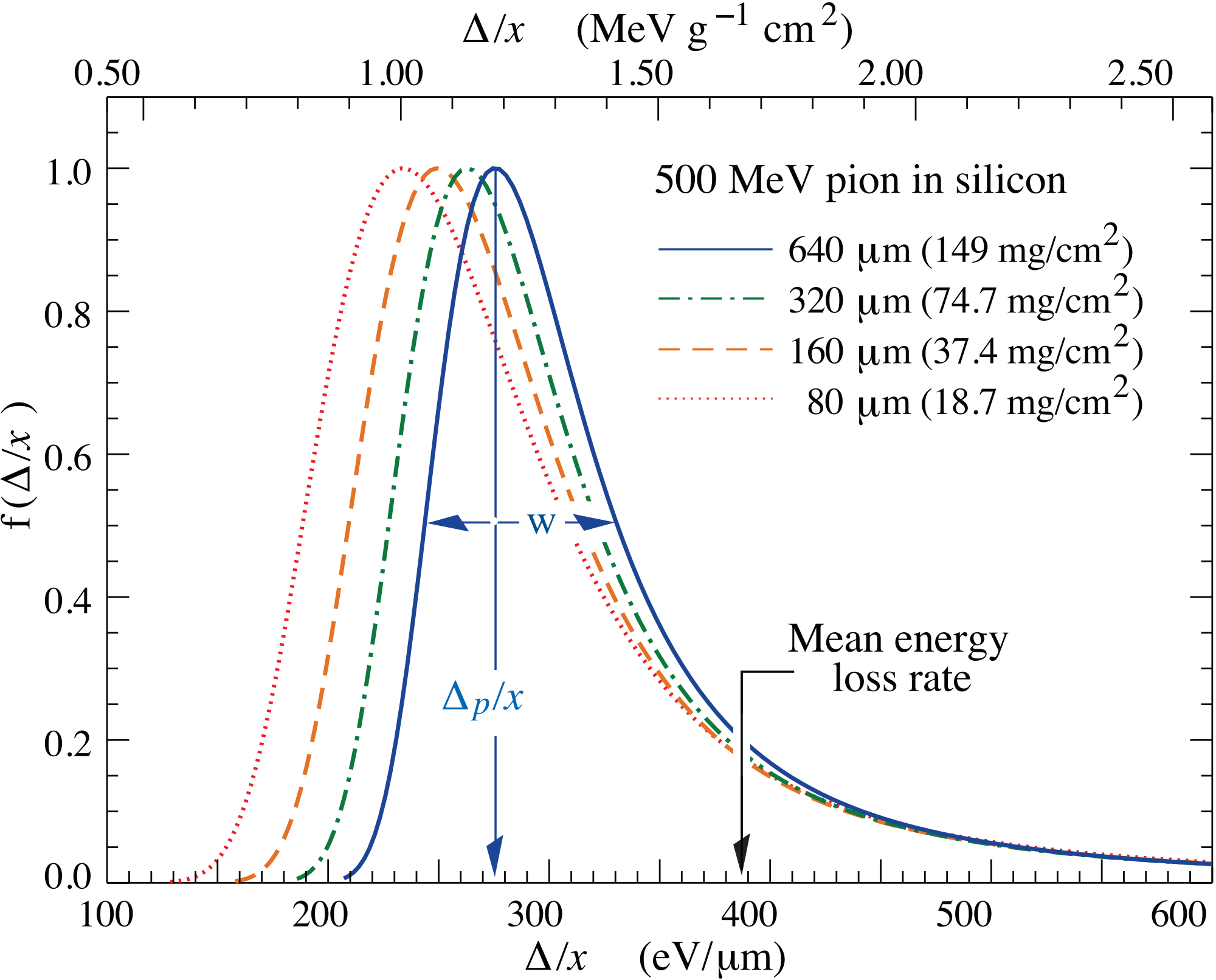
Δ/x (MeV g⁻¹ cm²)
0.50
1.00
1.50
2.00
2.50
1.0
0.8
0.6
0.4
0.2
0.0
f(Δ/x)
500 MeV pion in silicon
640 μm (149 mg/cm²)
320 μm (74.7 mg/cm²)
160 μm (37.4 mg/cm²)
80 μm (18.7 mg/cm²)
w
Δp/x
Mean energy loss rate
100
200
300
400
500
600
Δ/x (eV/μm)