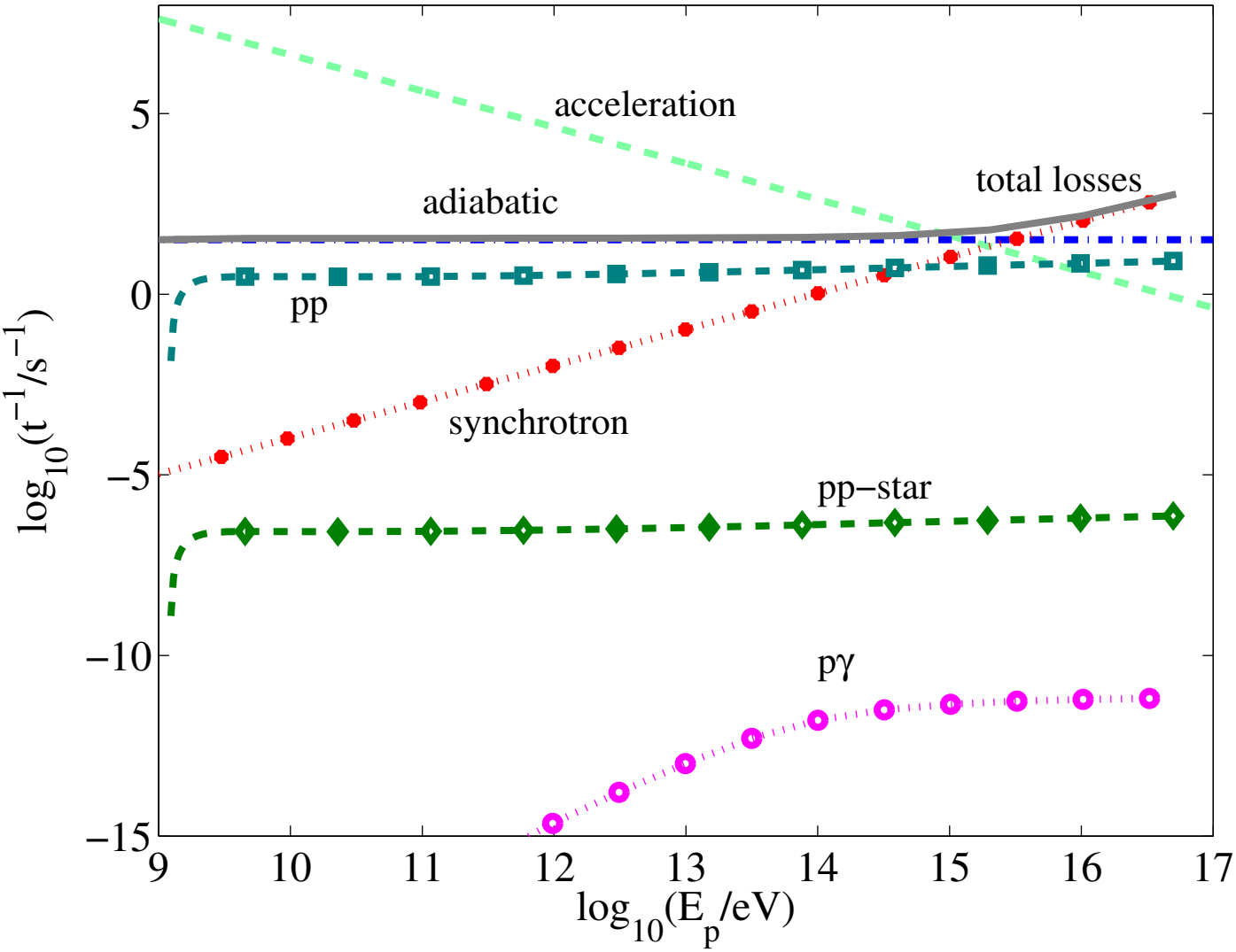
acceleration
adiabatic
total losses
pp
synchrotron
pp−star
pγ
5
0
−5
−10
−15
9
10
11
12
13
14
15
16
17
log10(t−1/s−1)
log10(Ep/eV)