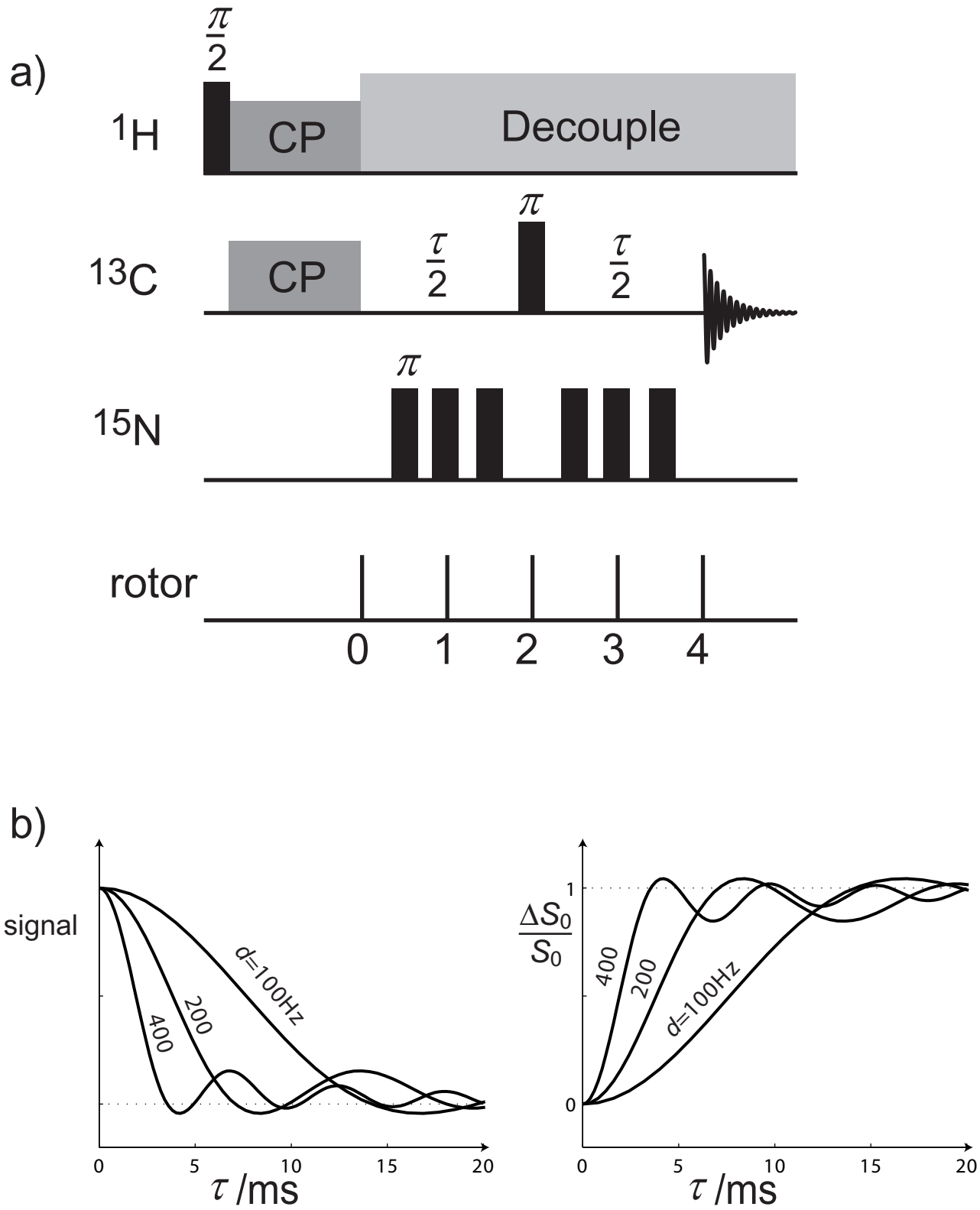
a)
$\frac{\pi}{2}$
$^1$H
CP
Decouple
$\pi$
$^{13}$C
CP
$\frac{\tau}{2}$
$\frac{\tau}{2}$
$\pi$
$^{15}$N
rotor
0
1
2
3
4
b)
signal
d=100Hz
200
400
0
5
10
15
20
$\tau$ /ms
$\frac{\Delta S_0}{S_0}$
1
0
400
200
d=100Hz
0
5
10
15
20
$\tau$ /ms

Figure 23