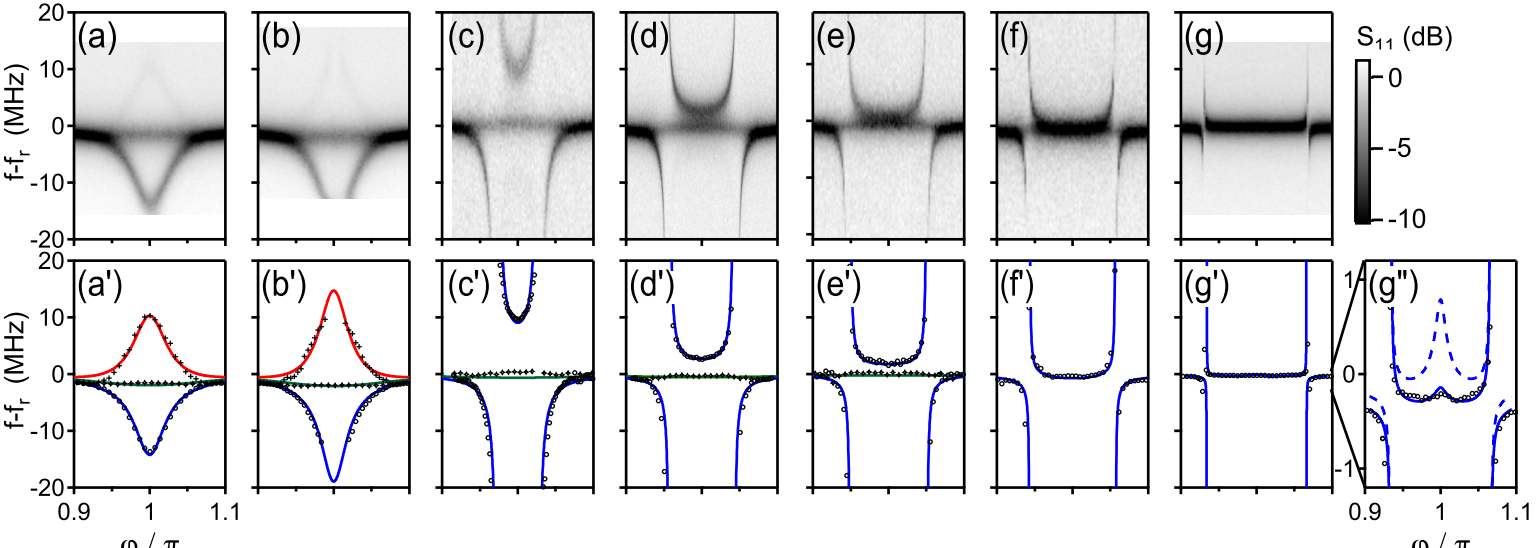
(a)
(b)
(c)
(d)
(e)
(f)
(g)
(a')
(b')
(c')
(d')
(e')
(f')
(g')
(g")
f-f$_r$ (MHz)
φ / π
S$_{11}$ (dB)
0
-5
-10
20
10
0
-10
-20
0.9
1
1.1