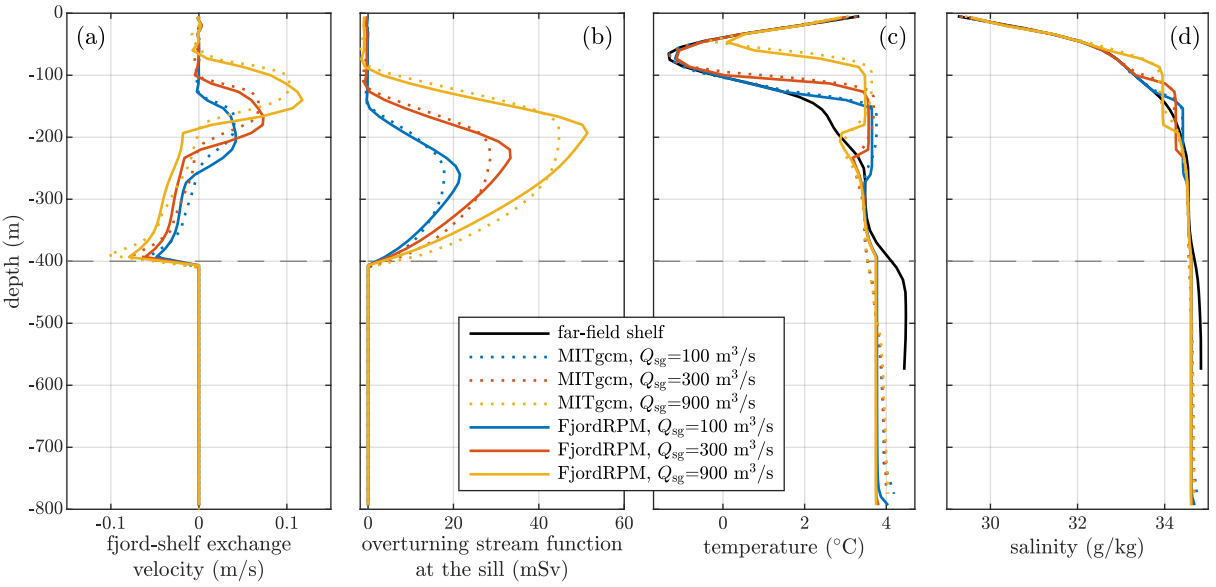
(a)
(b)
(c)
(d)
depth (m)
0
-100
-200
-300
-400
-500
-600
-700
-800
-0.1
0
0.1
fjord-shelf exchange velocity (m/s)
0
20
40
60
overturning stream function at the sill (mSv)
0
2
4
temperature (°C)
30
32
34
salinity (g/kg)
far-field shelf
MITgcm, Q_{sg}=100 m^3/s
MITgcm, Q_{sg}=300 m^3/s
MITgcm, Q_{sg}=900 m^3/s
FjordRPM, Q_{sg}=100 m^3/s
FjordRPM, Q_{sg}=300 m^3/s
FjordRPM, Q_{sg}=900 m^3/s