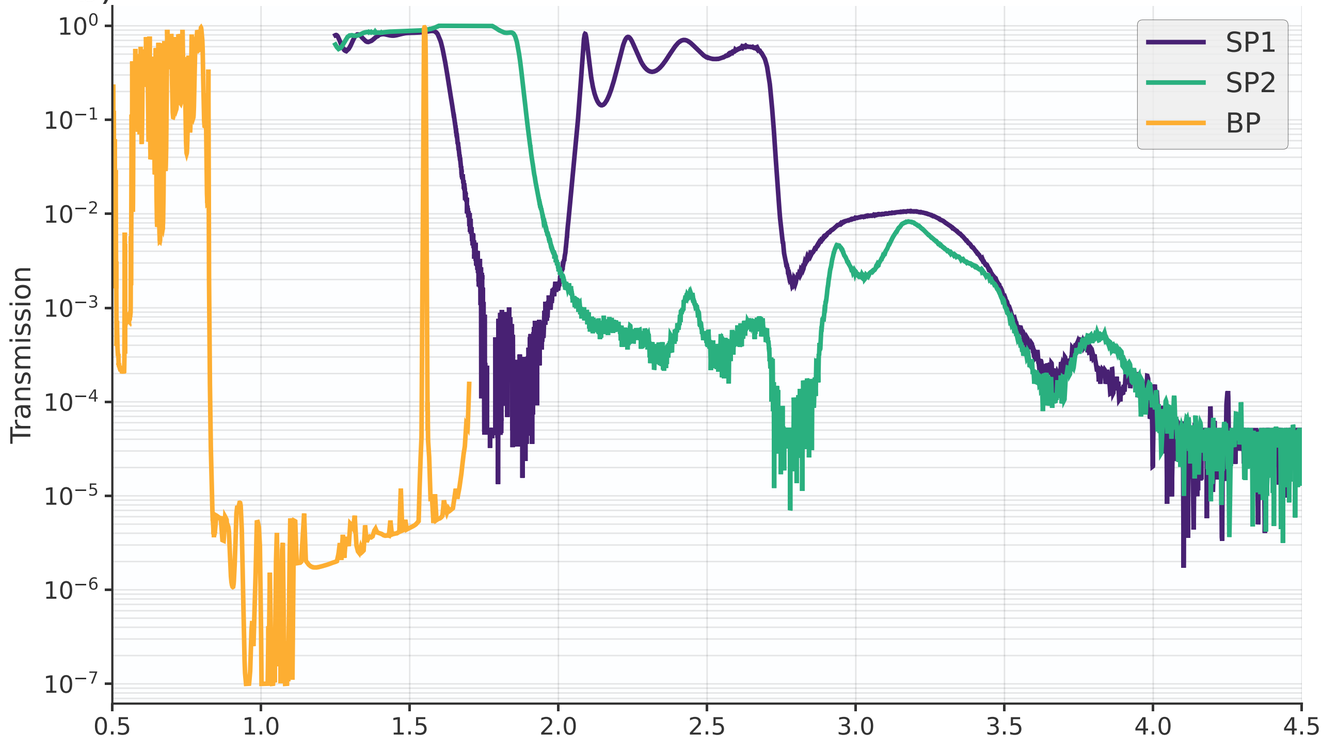
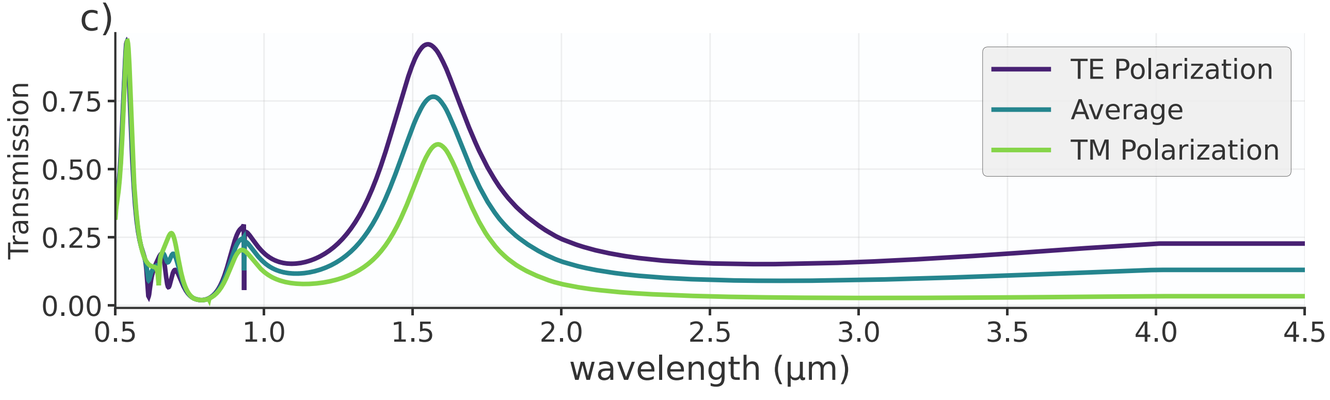
a)

b)


SP1
SP2
BP
Transmission
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5

c)


TE Polarization
Average
TM Polarization
Transmission
0.75
0.50
0.25
0.00
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
wavelength (μm)