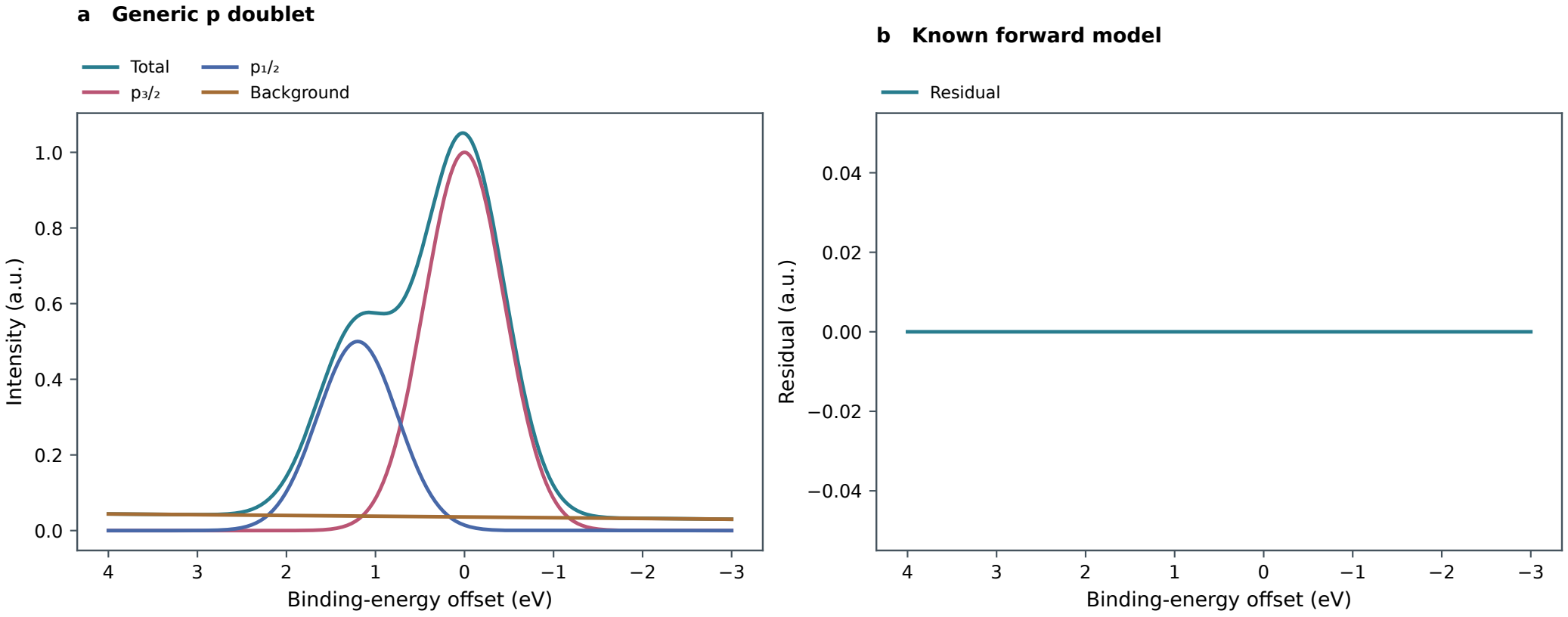

a Generic p doublet
Total
p1/2
p3/2
Background
Intensity (a.u.)
1.0
0.8
0.6
0.4
0.2
0.0
4
3
2
1
0
−1
−2
−3
Binding-energy offset (eV)
b Known forward model
Residual
Residual (a.u.)
0.04
0.02
0.00
−0.02
−0.04
4
3
2
1
0
−1
−2
−3
Binding-energy offset (eV)