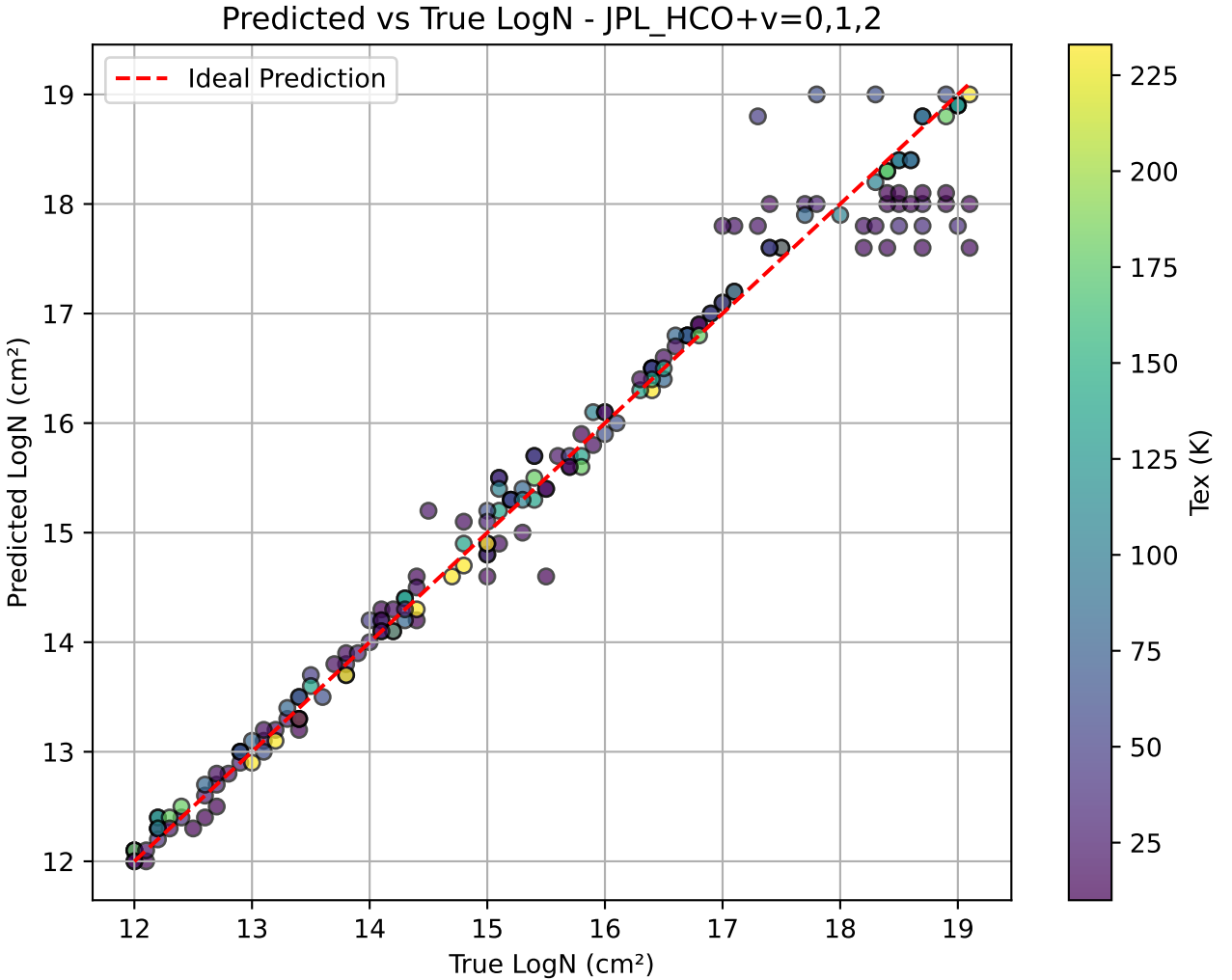
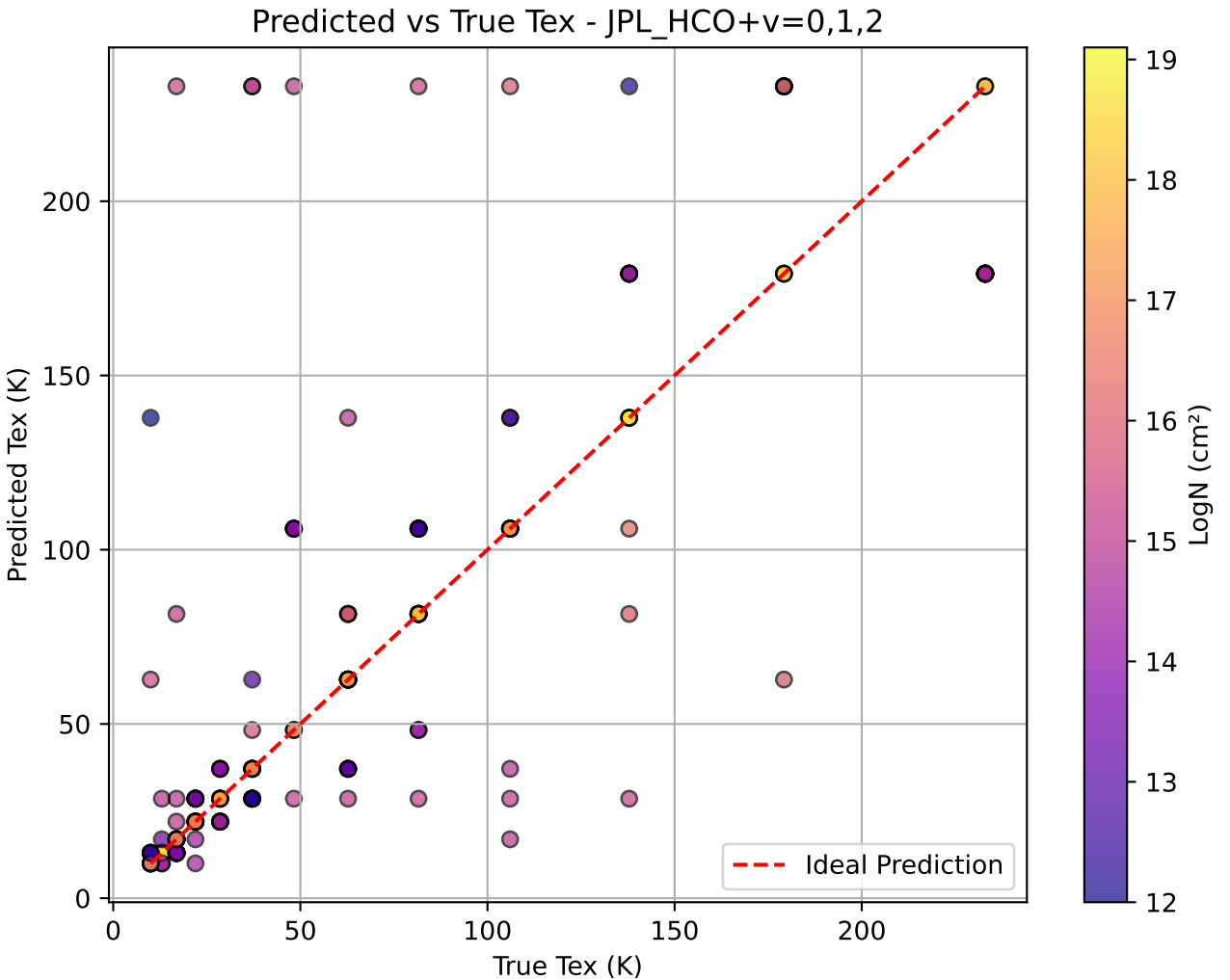
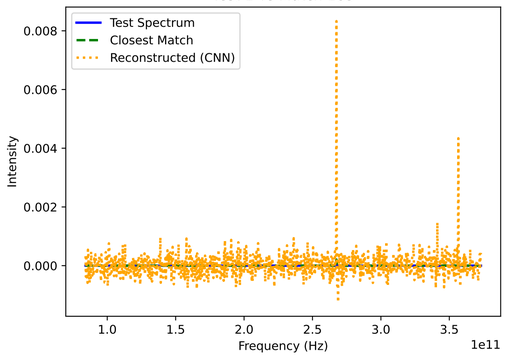

Predicted vs True LogN - JPL_HCO+v=0,1,2
Ideal Prediction
Predicted LogN (cm²)
True LogN (cm²)
Tex (K)
12
13
14
15
16
17
18
19
25
50
75
100
125
150
175
200
225


Predicted vs True Tex - JPL_HCO+v=0,1,2
Predicted Tex (K)
True Tex (K)
0
50
100
150
200
Ideal Prediction
LogN (cm²)
12
13
14
15
16
17
18
19

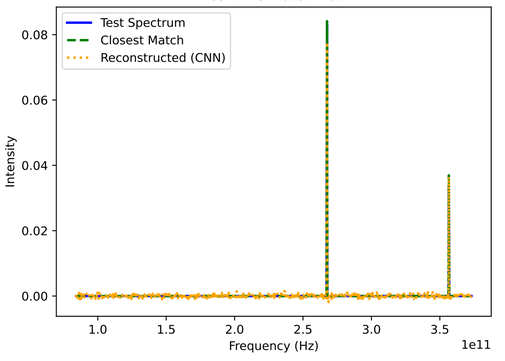
Test 1 vs Match 183



Test File: file_JPL_HCO+v=0,1,2_T232.98085122481015_N12.999999999999996_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=13.0 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file_JPL_HCO+v=0,1,2_T179.2160394037001_N12.899999999999997_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=12.9 tex=179.21603 velo=250.0 fwhm=50.0 sourcesize=10.0

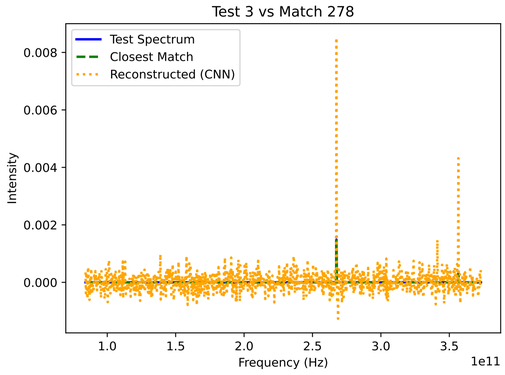
Test 2 vs Match 461



Test File: file_JPL_HCO+v=0,1,2_T81.57307210000003_N15.299999999999988_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=15.3 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file_JPL_HCO+v=0,1,2_T28.561000000000003_N15.399999999999988_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=15.4 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0

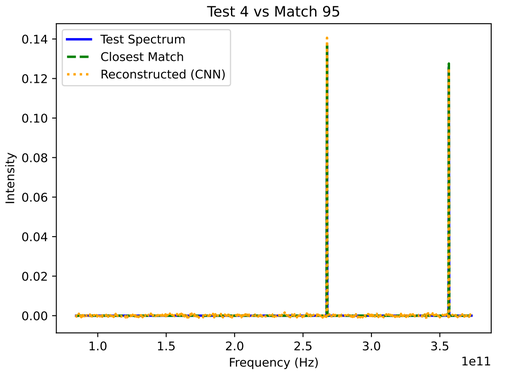
Test 3 vs Match 278



Test File: file_JPL_HCO+v=0,1,2_T28.561000000000003_N13.299999999999995_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=13.3 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file_JPL_HCO+v=0,1,2_T21.970000000000002_N13.299999999999995_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=13.3 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

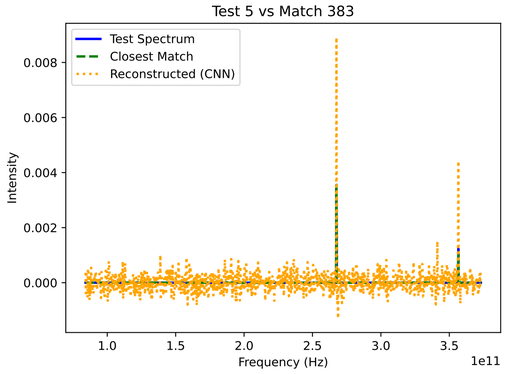
Test 4 vs Match 95



Test File: file_JPL_HCO+v=0,1,2_T37.12930000000001_N16.399999999999999_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=16.4 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file_JPL_HCO+v=0,1,2_T37.12930000000001_N16.499999999999993_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=16.5 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

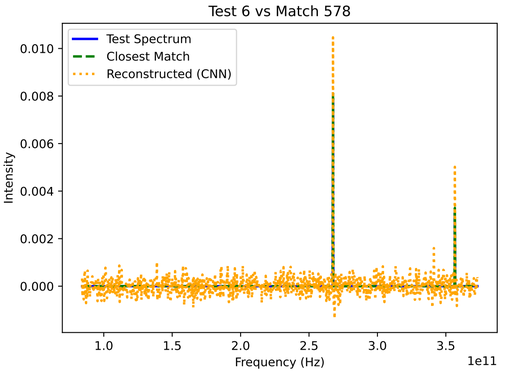
Test 5 vs Match 383



Test File: file_JPL_HCO+v=0,1,2_T62.74851700000002_N13.799999999999994_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=13.8 tex=62.748516 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file_JPL_HCO+v=0,1,2_T37.12930000000001_N13.699999999999994_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=13.7 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

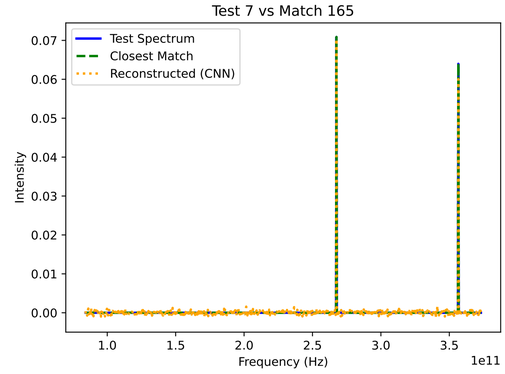
Test 6 vs Match 578



Test File: file_JPL_HCO+v=0,1,2_T106.04499373000004_N14.299999999999992_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=14.3 tex=106.04499 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file_JPL_HCO+v=0,1,2_T137.85849184900007_N14.399999999999991_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=14.4 tex=137.85849 velo=250.0 fwhm=50.0 sourcesize=10.0

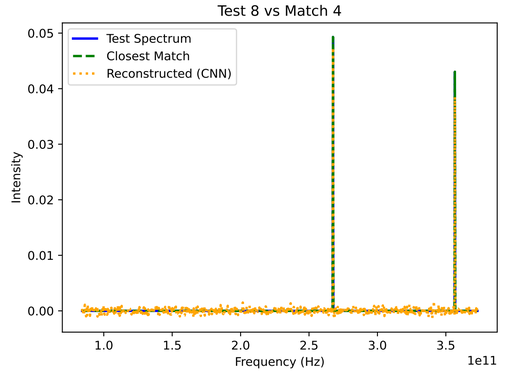
Test 7 vs Match 165



Test File: file_JPL_HCO+v=0,1,2_T21.970000000000002_N16.599999999999994_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=16.6 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file_JPL_HCO+v=0,1,2_T21.970000000000002_N16.699999999999996_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=16.7 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

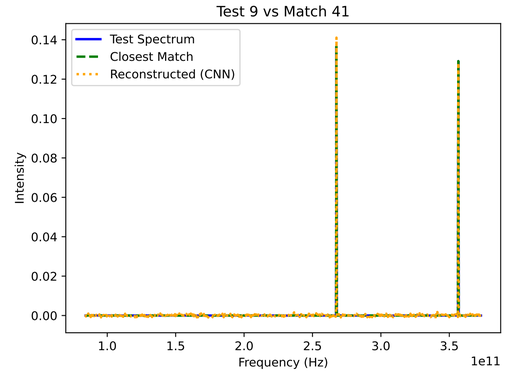
Test 8 vs Match 4



Test File: file_JPL_HCO+v=0,1,2_T16.900000000000002_N19.100000000000003_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=19.1 tex=16.9 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file_JPL_HCO+v=0,1,2_T16.900000000000002_N17.600000000000001_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=17.6 tex=16.9 velo=250.0 fwhm=50.0 sourcesize=10.0

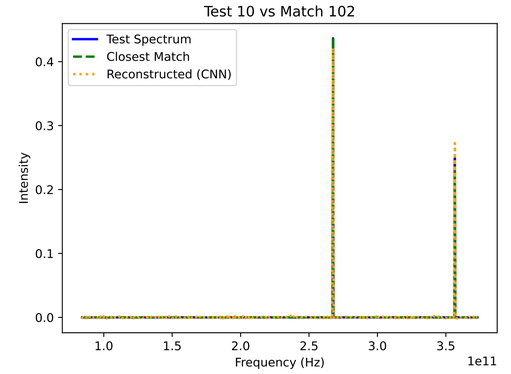
Test 9 vs Match 41



Test File: file_JPL_HCO+v=0,1,2_T37.12930000000001_N18.700000000000024_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=18.7 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

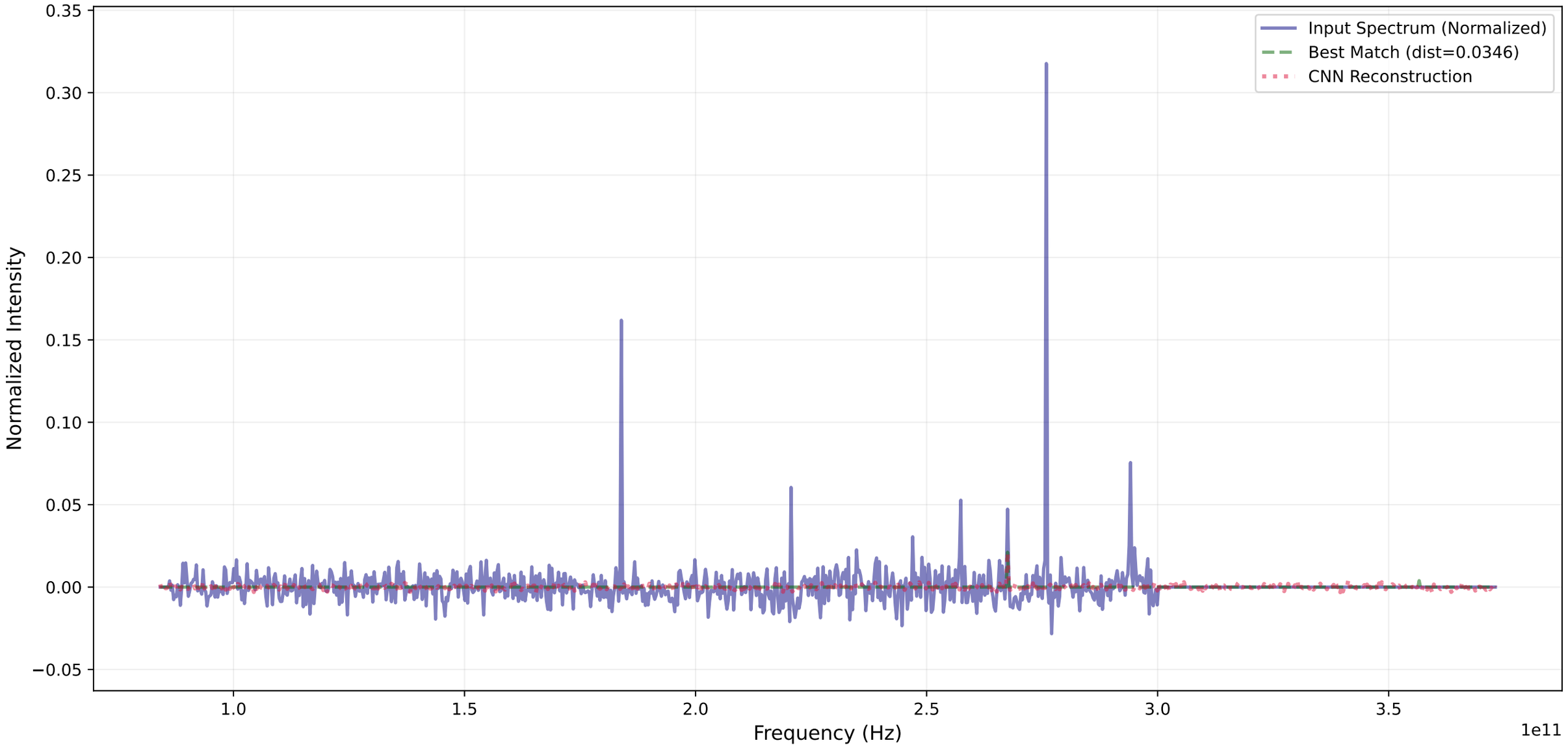
Match: file_JPL_HCO+v=0,1,2_T37.12930000000001_N17.800000000000001_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=17.8 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 10 vs Match 102



Test File: file_JPL_HCO+v=0,1,2_T137.85849184900007_N16.399999999999999_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=16.4 tex=137.85849 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file_JPL_HCO+v=0,1,2_T179.2160394037001_N16.399999999999999_simulate_generate
Header: //molecules='HCO+V=0,1,2|1' logn=16.4 tex=179.21603 velo=250.0 fwhm=50.0 sourcesize=10.0



INPUT FILE:

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Filename: example_4mols_format

Header: //!xValues(GHz)□yValues(K)

BEST MATCH:

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• File: file_JPL_HCO+v=0,1,2_T13.0_N14.79999999999999_simulate_generate

• Distance: 0.034588

• Parameters: //molecules='HCO+V=0,1,2|1' logn=14.8 tex=13.0 velo=250.0 fwhm=50.0 sourcesize=10.0