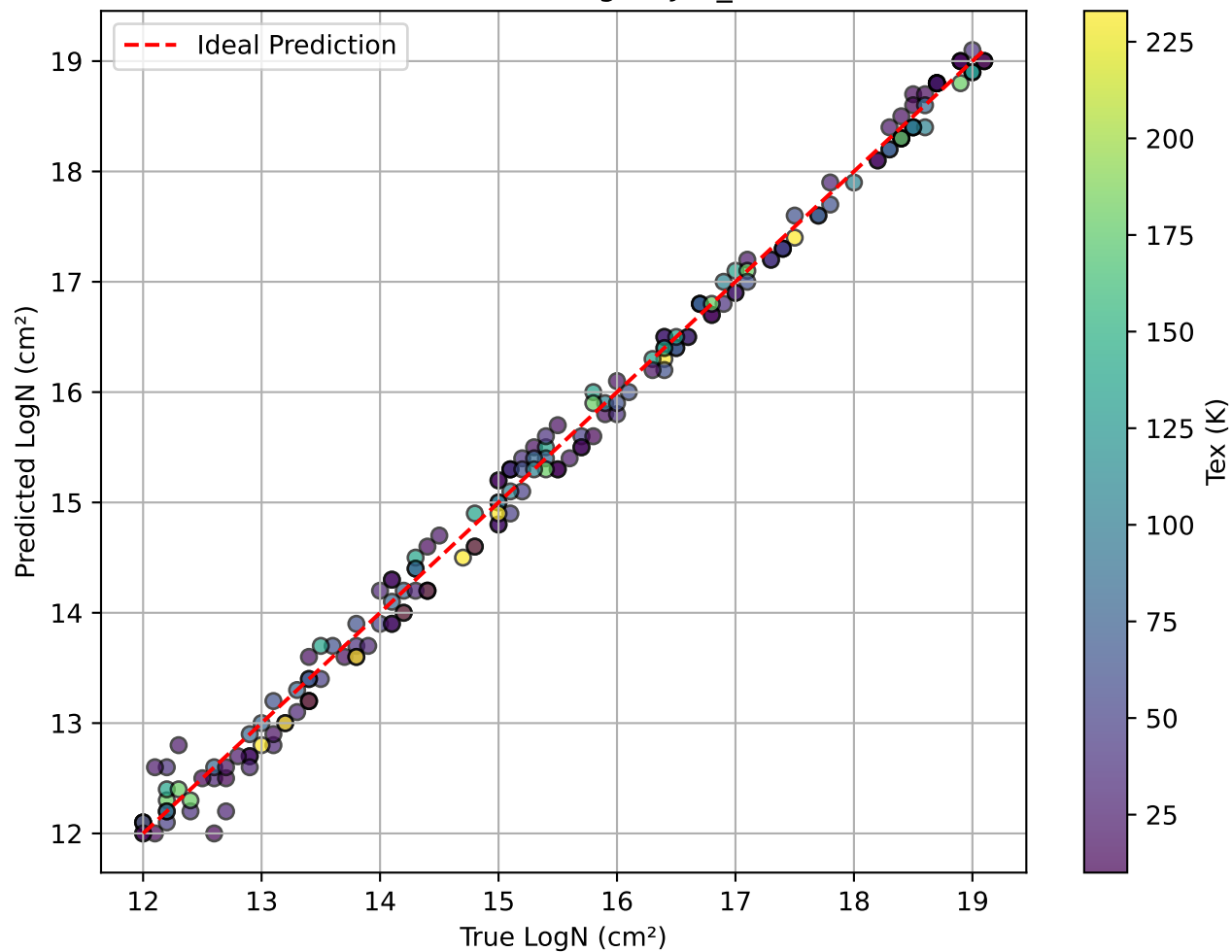
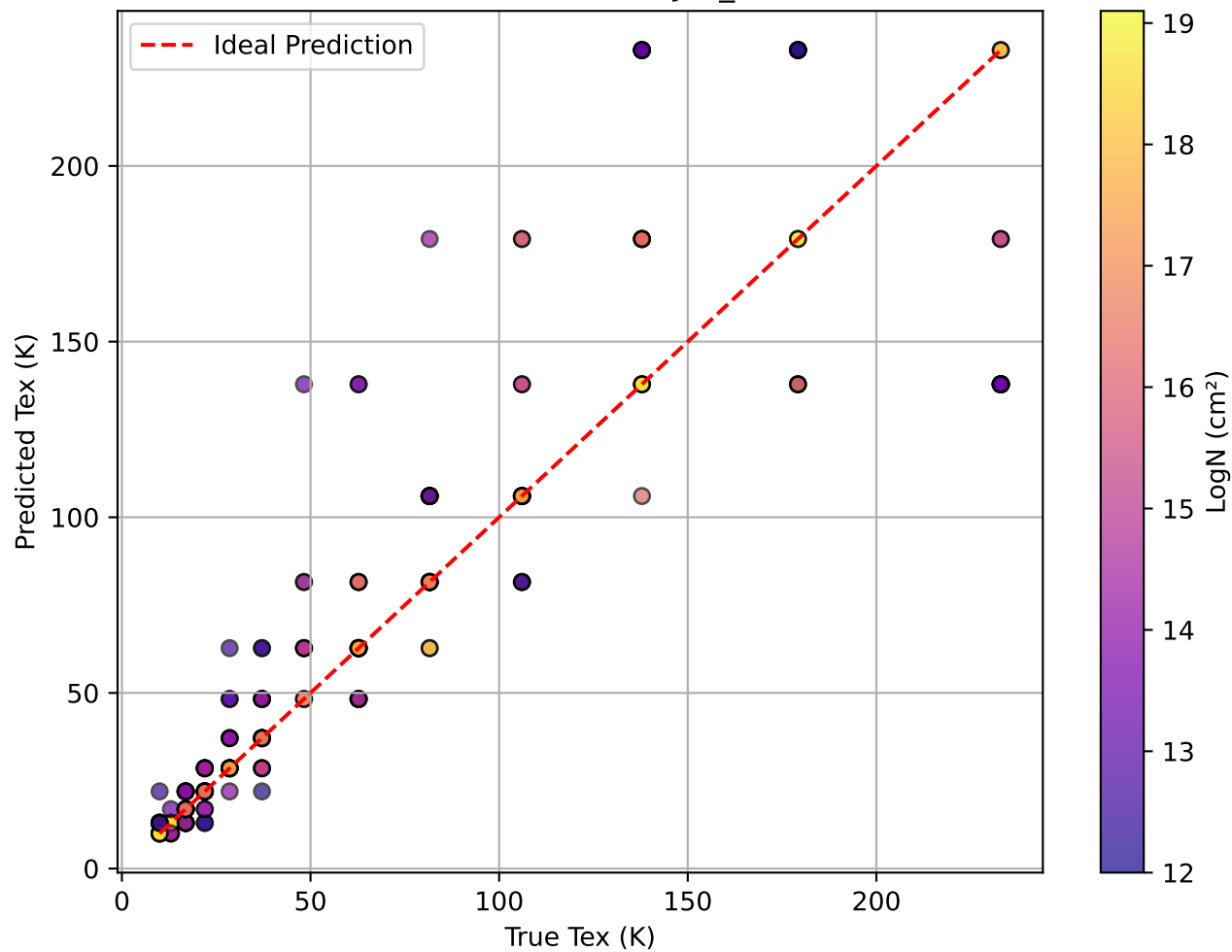


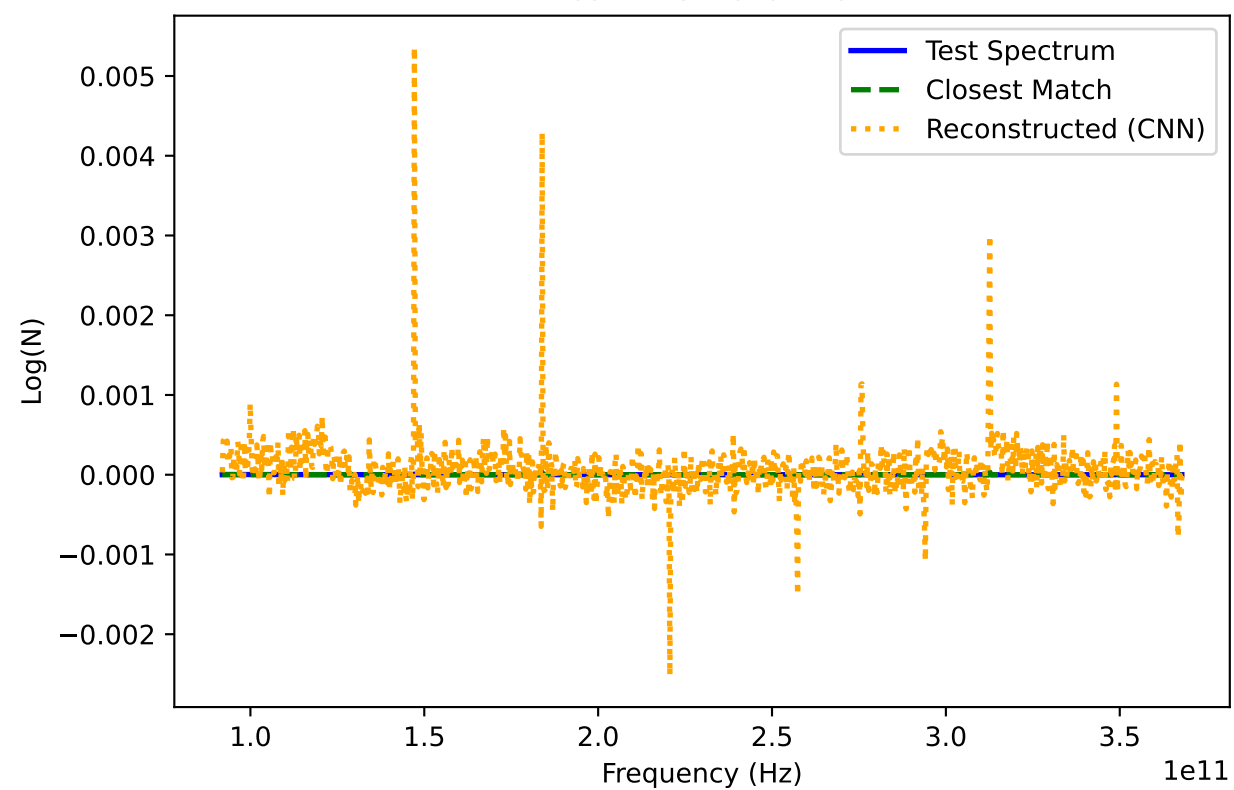
Predicted vs True LogN - JPL\_CH3CN



Predicted vs True Tex - JPL\_CH3CN



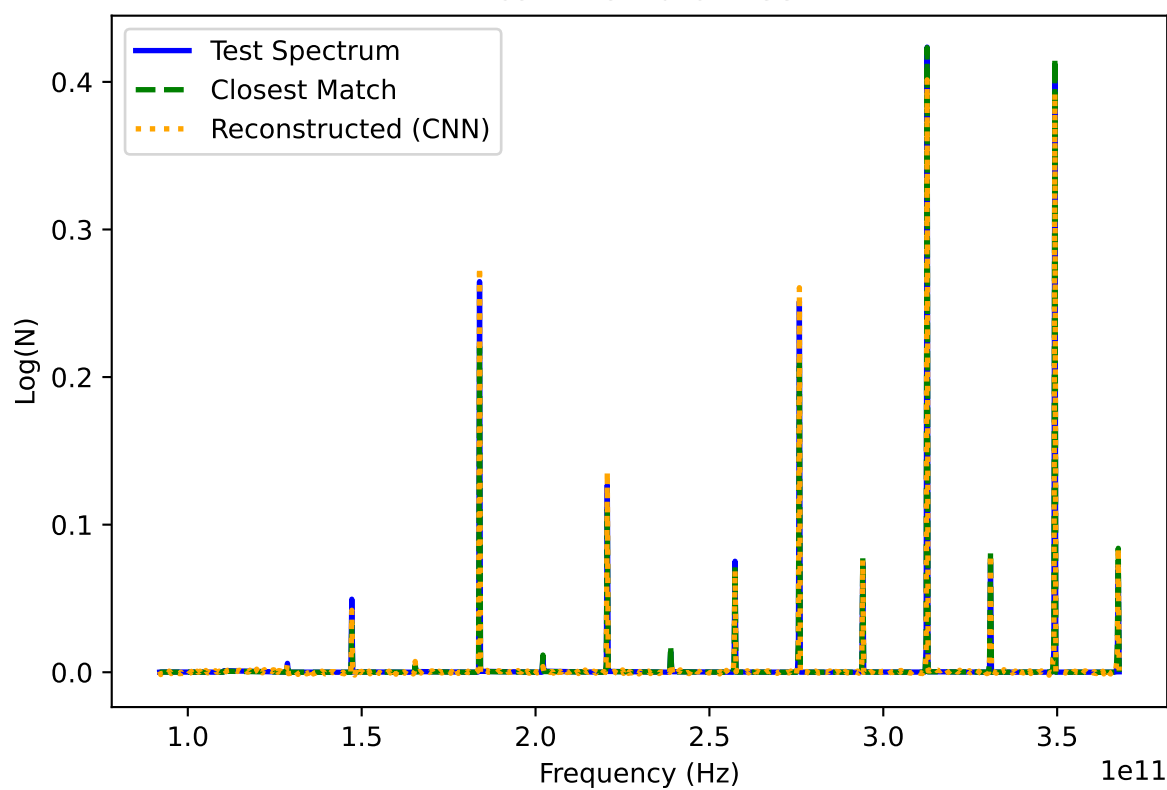
Test 1 vs Match 76



Test File: file\_JPL\_CH3CN\_T48.268090000000015\_N12.2\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=12.2 tex=48.26809 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T81.57307210000003\_N12.1\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=12.1 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

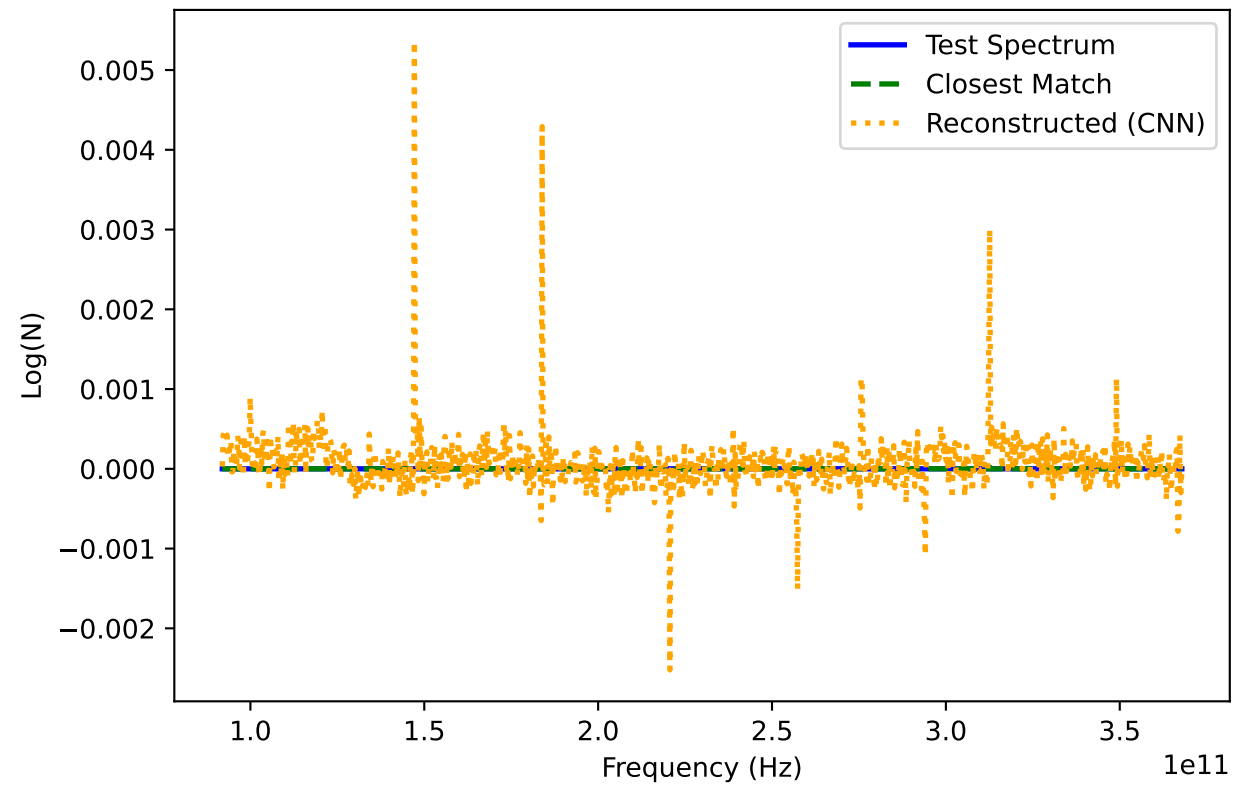
Test 2 vs Match 133



Test File: file\_JPL\_CH3CN\_T137.85849184900007\_N16.499999999999993\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=16.5 tex=137.85849 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T179.2160394037001\_N16.499999999999993\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=16.5 tex=179.21603 velo=250.0 fwhm=50.0 sourcesize=10.0

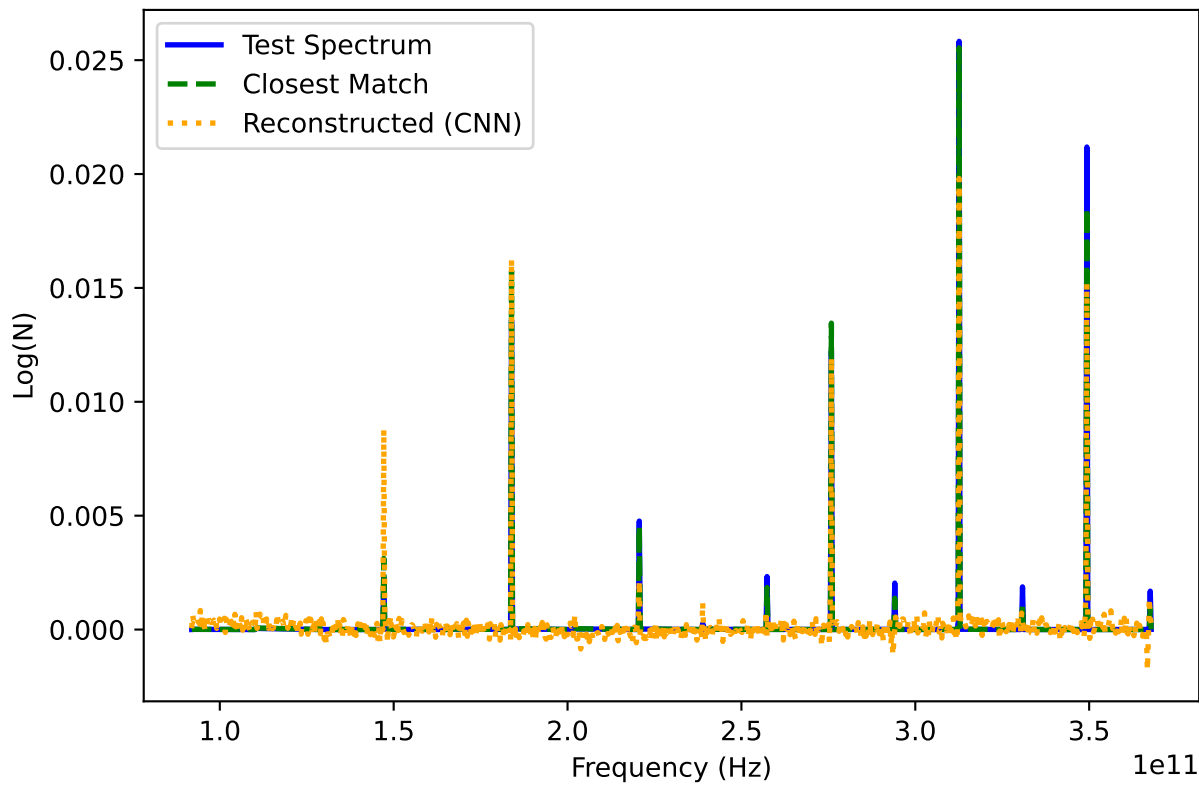
Test 3 vs Match 695



Test File: file\_JPL\_CH3CN\_T179.2160394037001\_N12\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=12.0 tex=179.21603 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T232.98085122481015\_N12.1\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=12.1 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

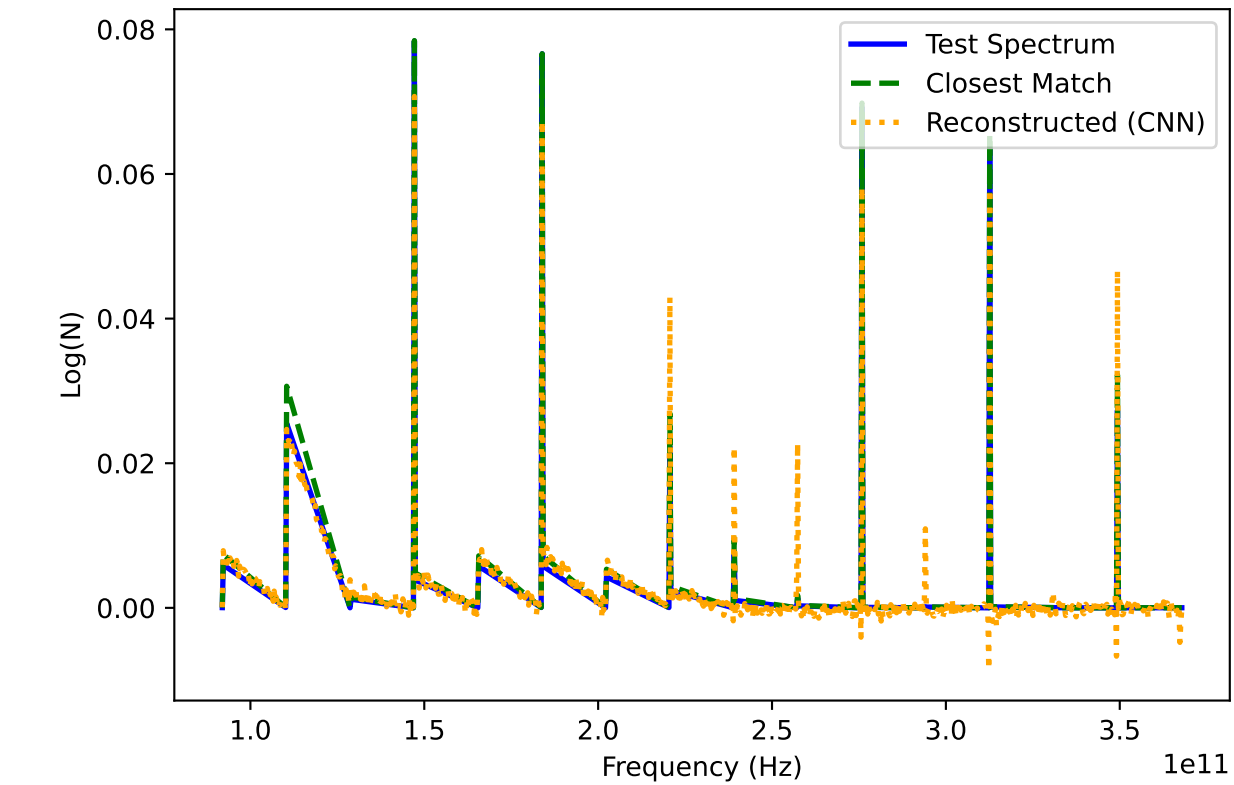
Test 4 vs Match 560



Test File: file\_JPL\_CH3CN\_T106.04499373000004\_N14.999999999999999\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=15.0 tex=106.04499 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T81.57307210000003\_N14.999999999999999\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=15.0 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

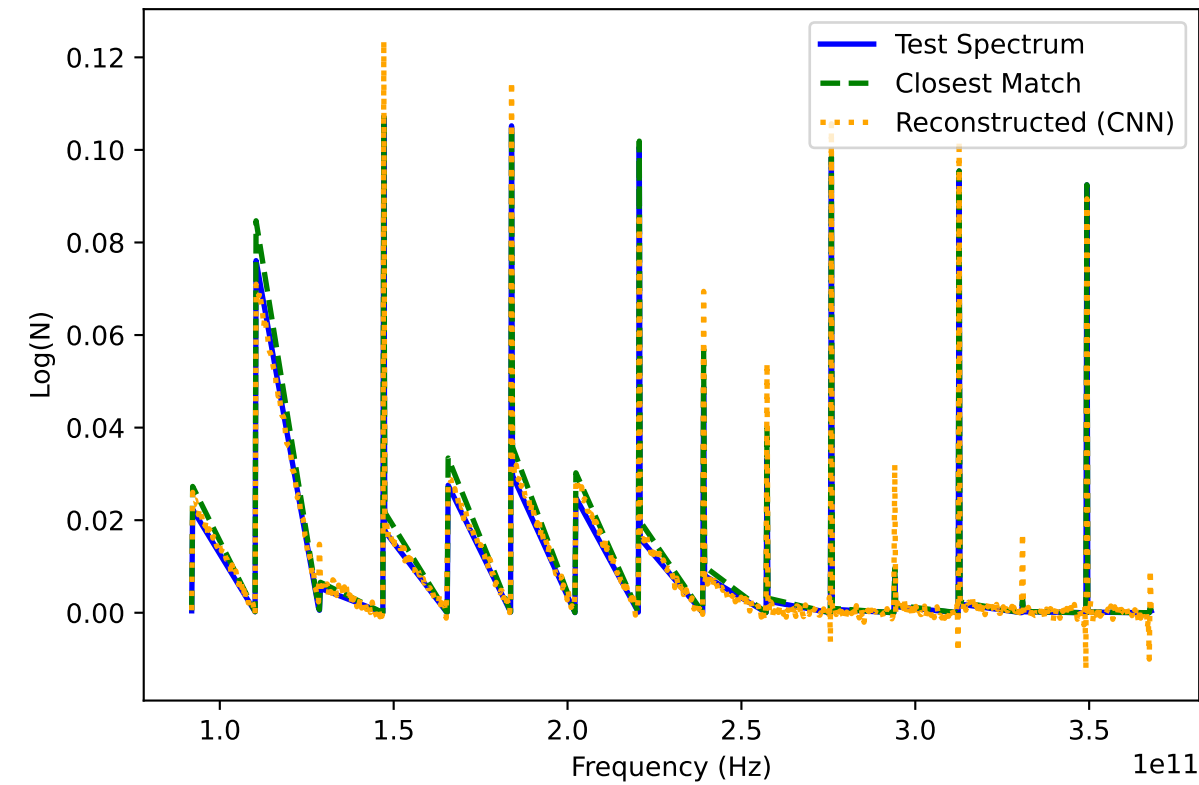
Test 5 vs Match 693



Test File: file\_JPL\_CH3CN\_T21.970000000000002\_N17.1\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=17.1 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T21.970000000000002\_N17.200000000000003\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=17.2 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

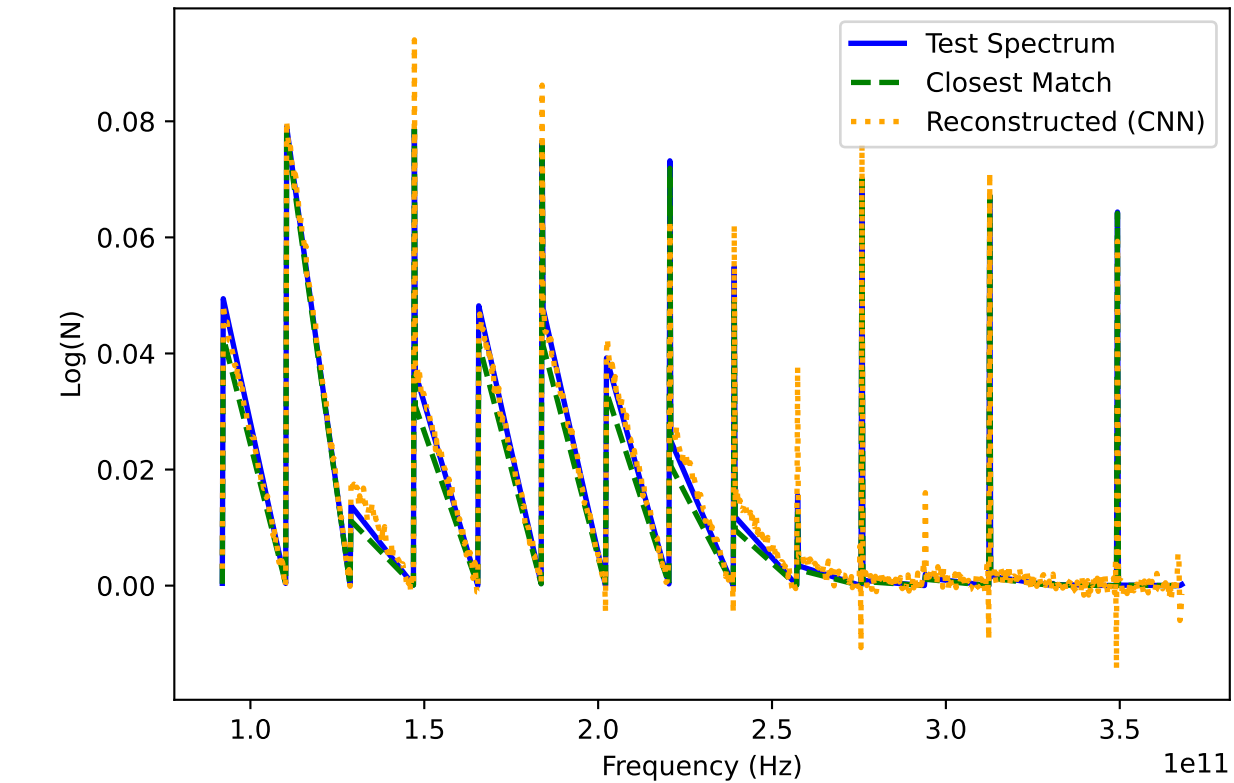
Test 6 vs Match 429



Test File: file\_JPL\_CH3CN\_T28.561000000000003\_N17.80000000000001\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=17.8 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T28.561000000000003\_N17.900000000000013\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=17.9 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0

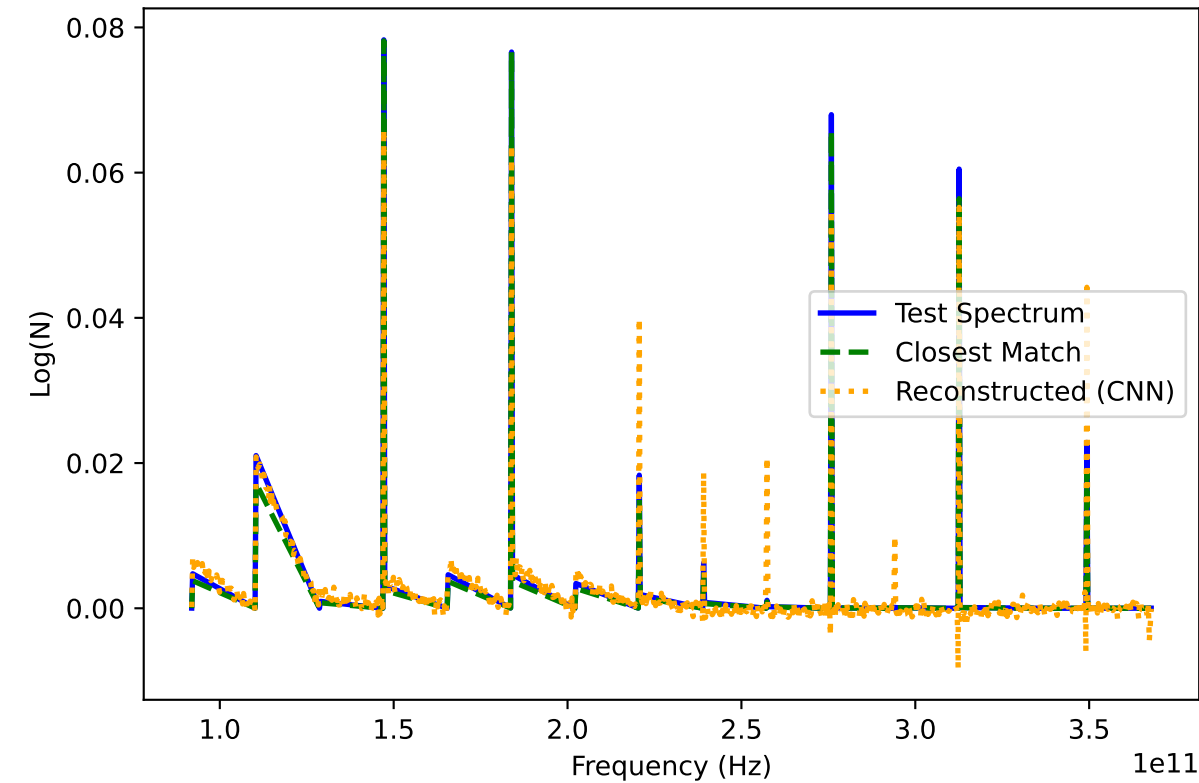
Test 7 vs Match 195



Test File: file\_JPL\_CH3CN\_T21.970000000000002\_N18.200000000000017\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=18.2 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T21.970000000000002\_N18.100000000000016\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=18.1 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

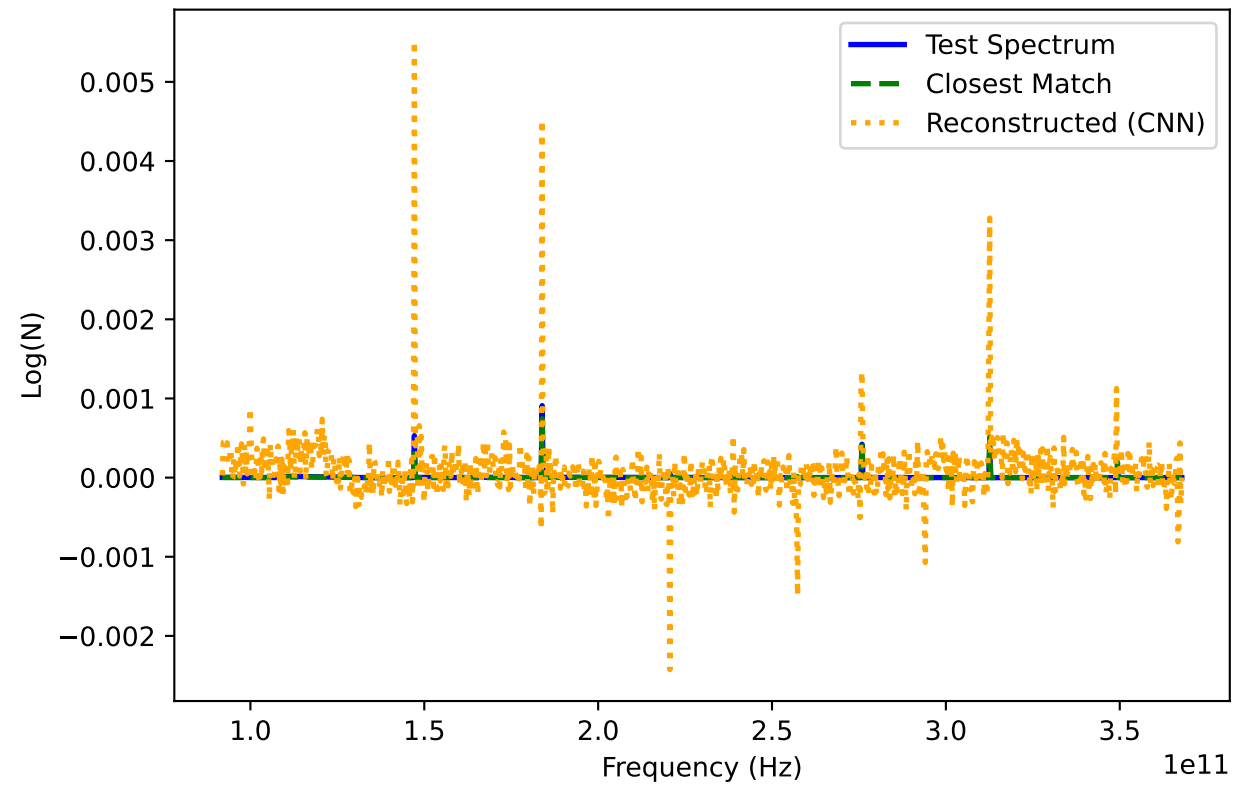
Test 8 vs Match 245



Test File: file\_JPL\_CH3CN\_T21.970000000000002\_N17.0\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=17.0 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T21.970000000000002\_N16.9\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=16.9 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

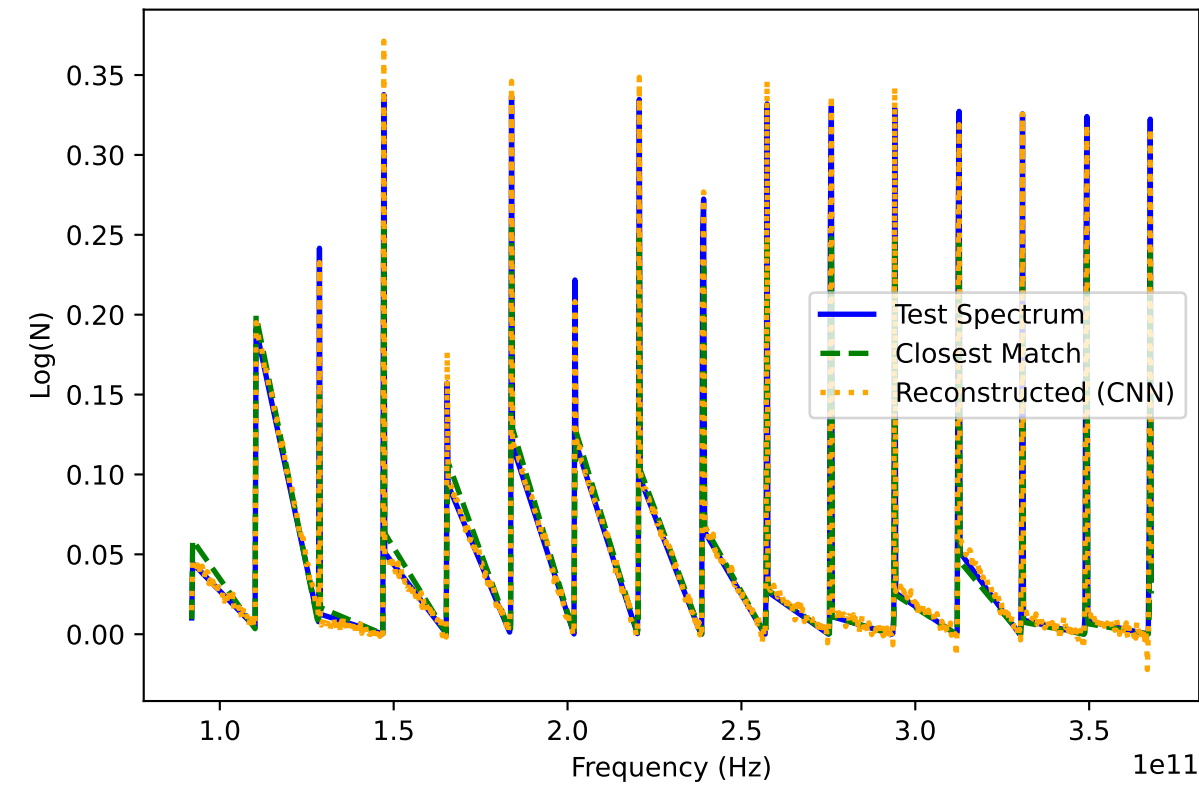
Test 9 vs Match 383



Test File: file\_JPL\_CH3CN\_T28.561000000000003\_N13.899999999999993\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=13.9 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T37.12930000000001\_N13.699999999999994\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=13.7 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

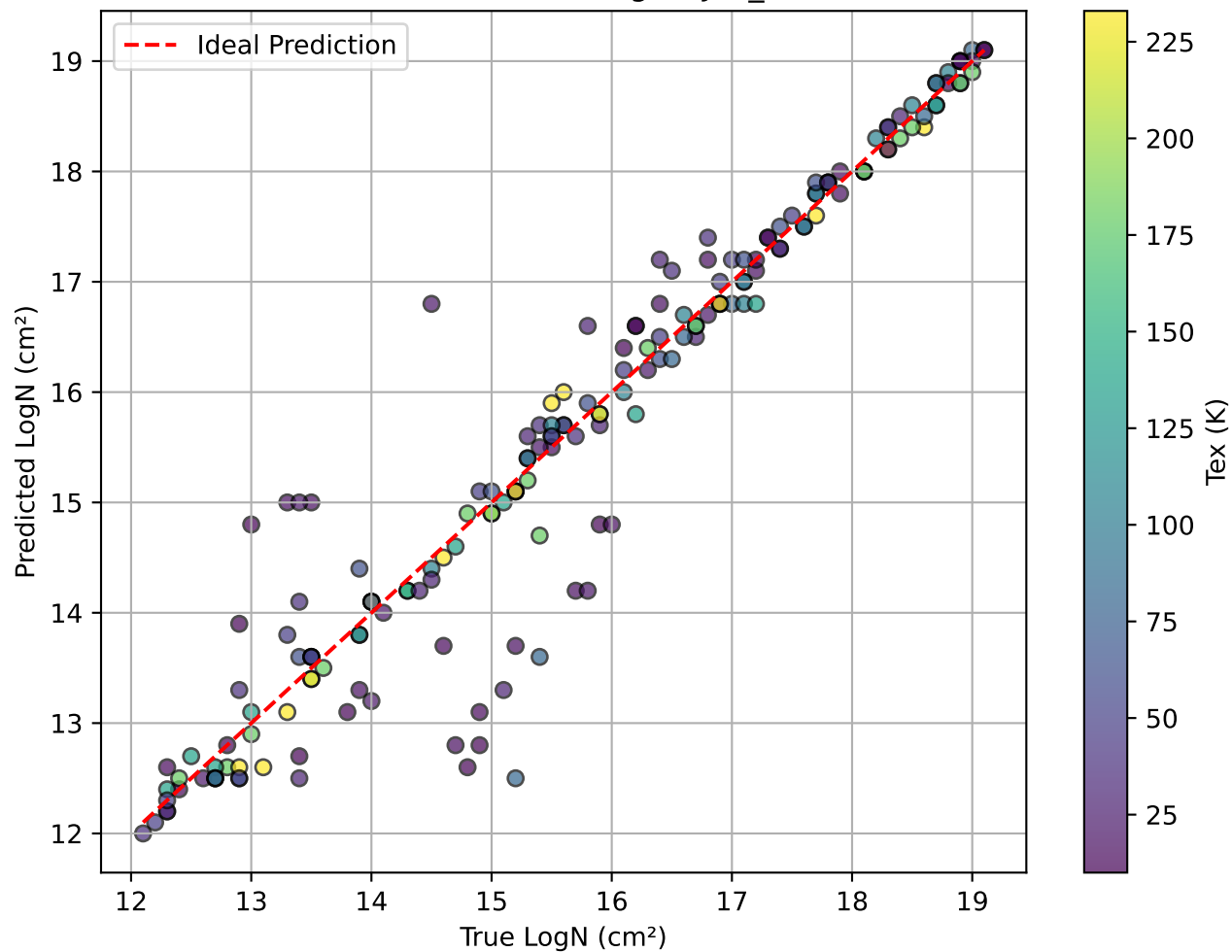
Test 10 vs Match 162



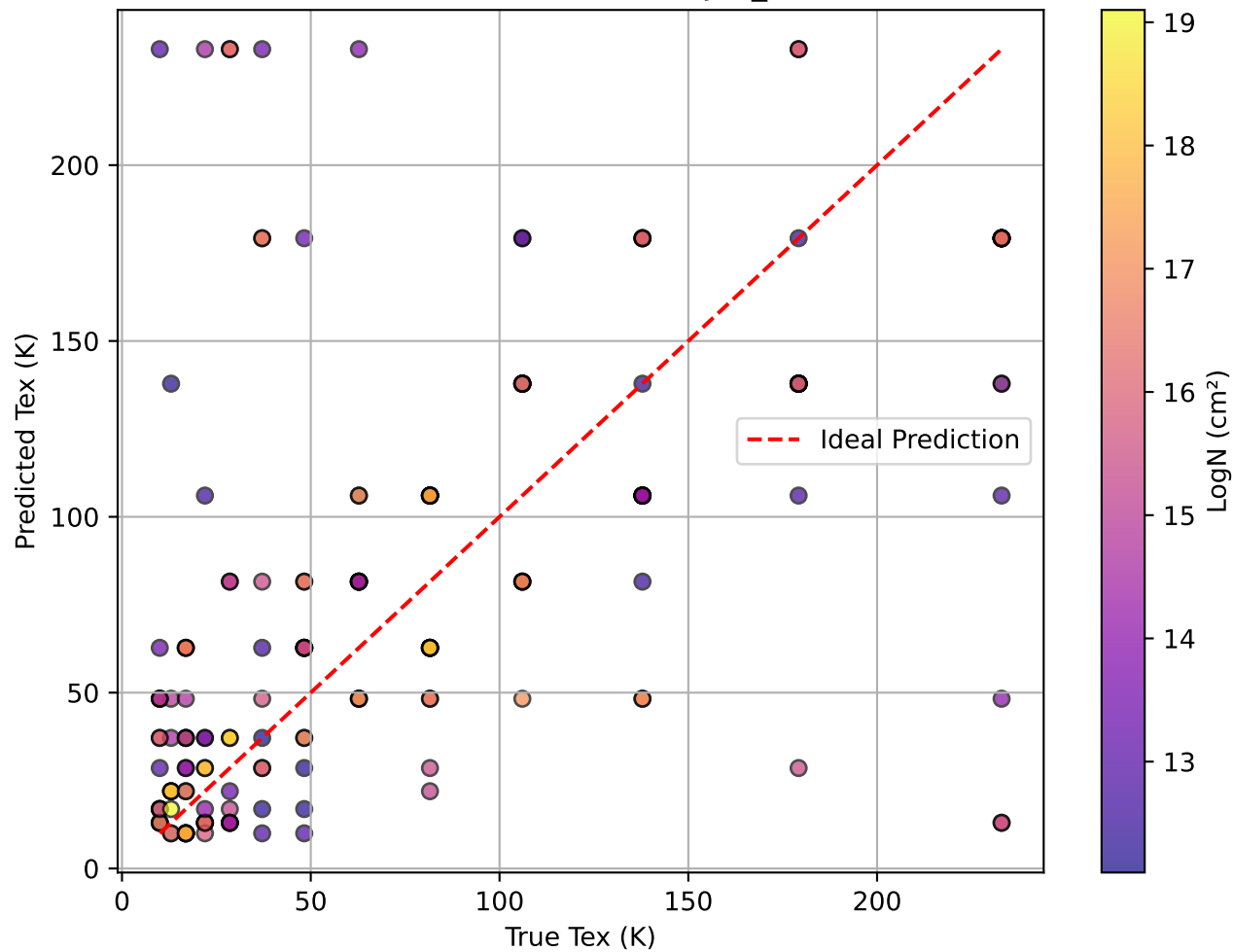
Test File: file\_JPL\_CH3CN\_T81.57307210000003\_N18.600000000000023\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=18.6 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T62.74851700000002\_N18.600000000000023\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN|1' logn=18.6 tex=62.748516 velo=250.0 fwhm=50.0 sourcesize=10.0

Predicted vs True LogN - JPL\_CO

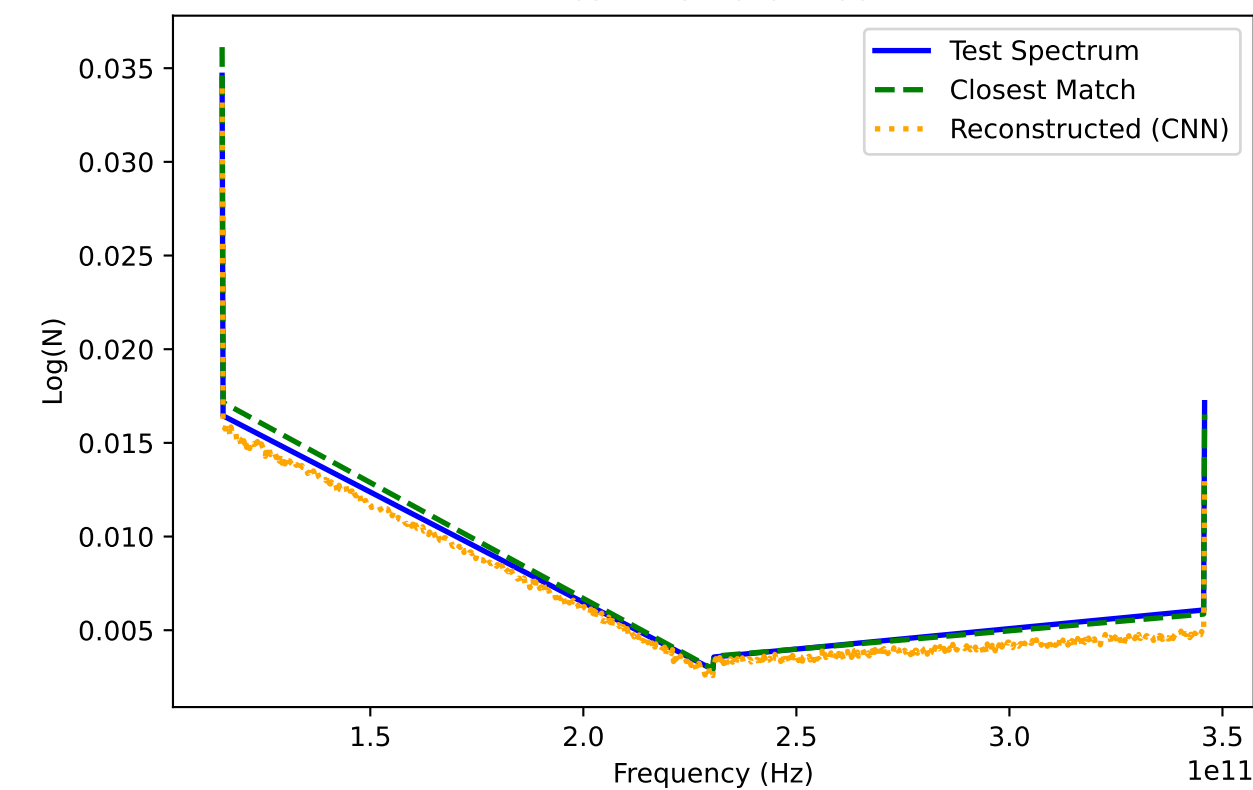


Predicted vs True Tex - JPL\_CO





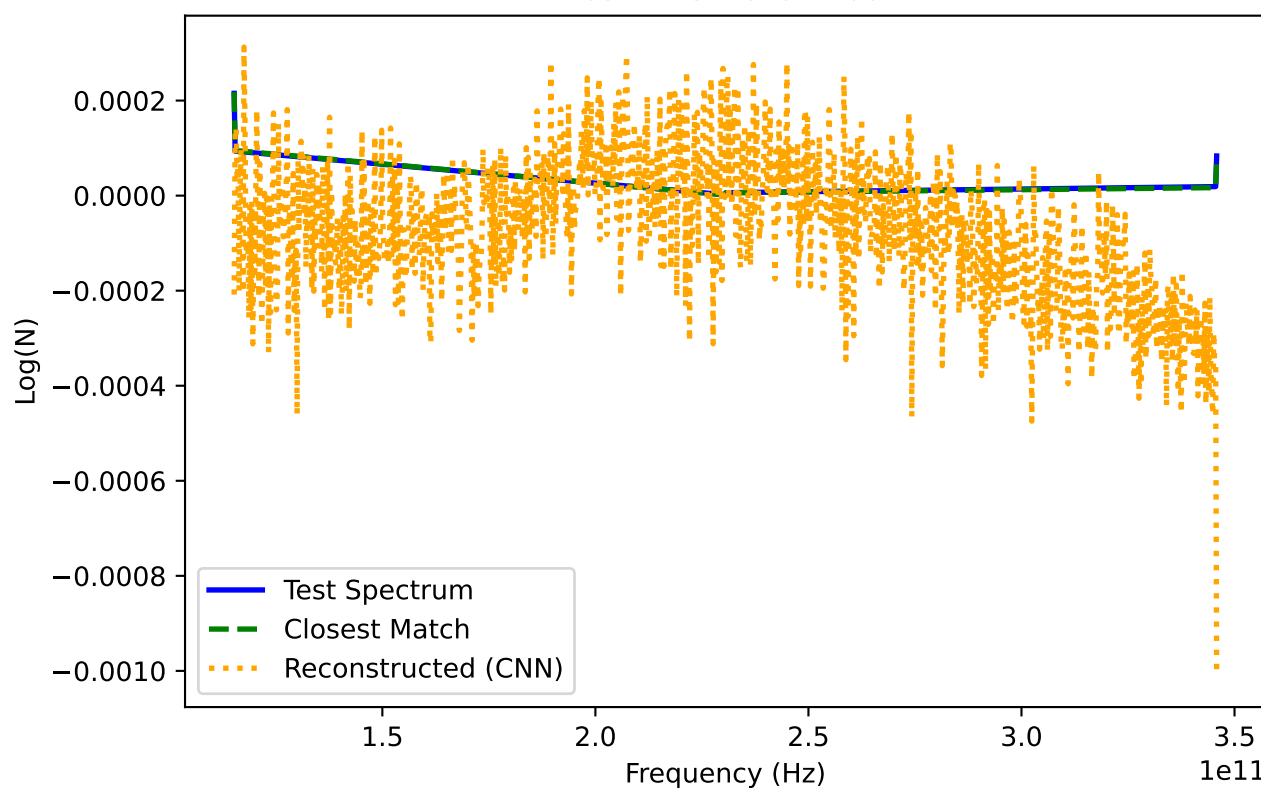
Test 1 vs Match 166



Test File: file\_JPL\_CO\_T232.98085122481015\_N18.600000000000023\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=18.6 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T137.85849184900007\_N18.400000000000002\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=18.4 tex=137.85849 velo=250.0 fwhm=50.0 sourcesize=10.0

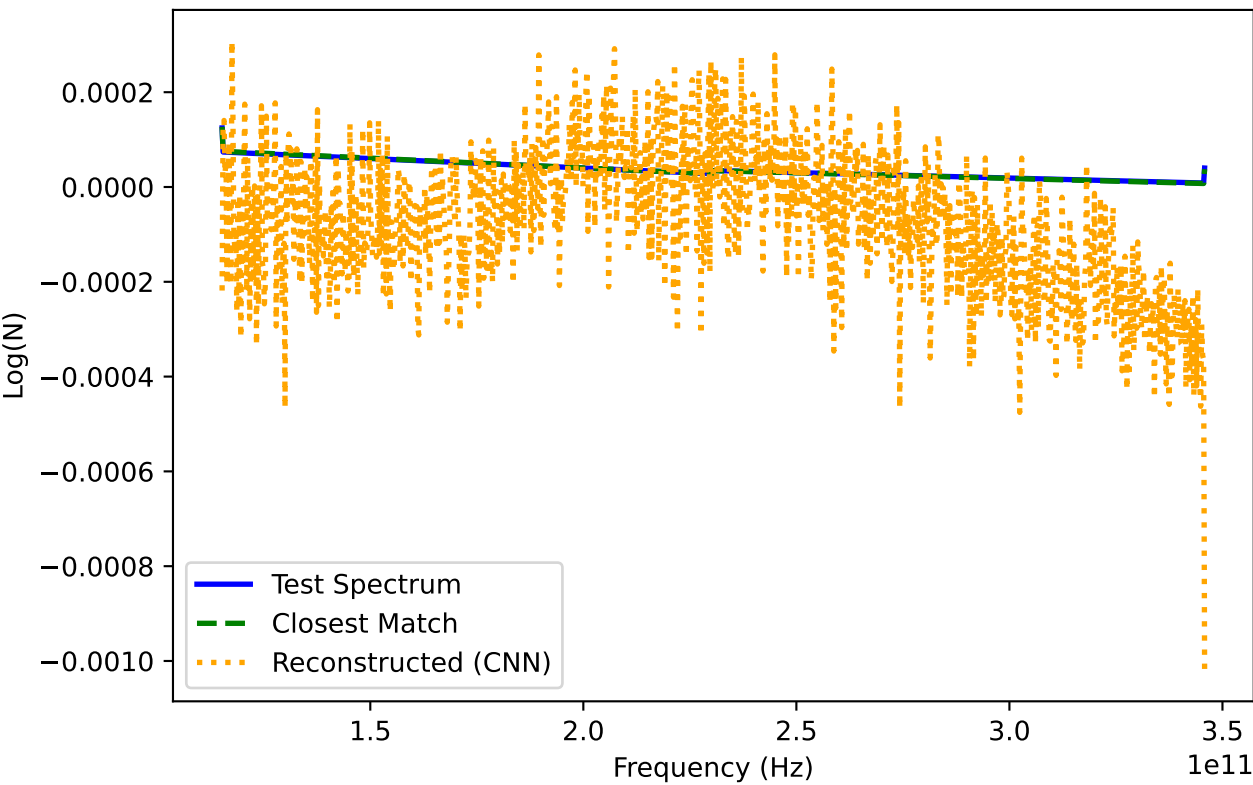
Test 2 vs Match 409



Test File: file\_JPL\_CO\_T106.04499373000004\_N16.099999999999987\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=16.1 tex=106.04499 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T81.57307210000003\_N15.999999999999986\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=16.0 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

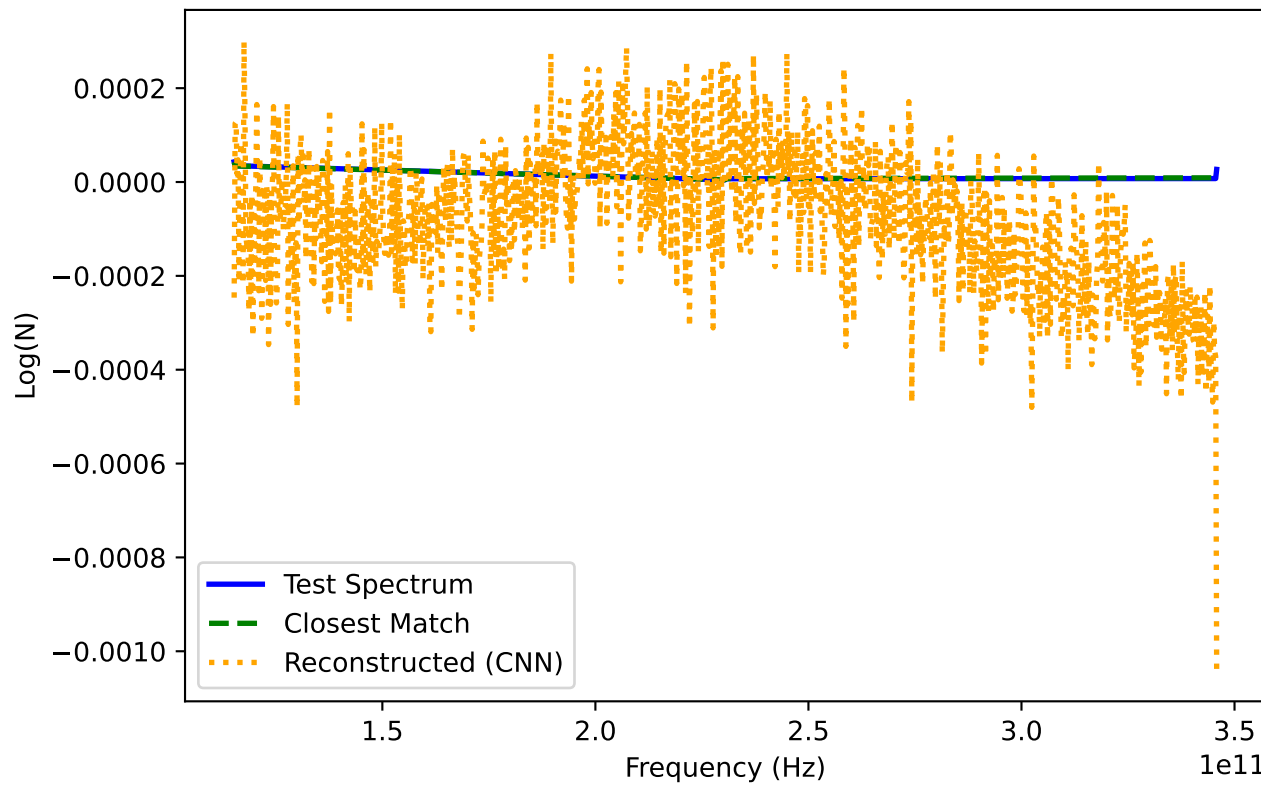
Test 3 vs Match 147



Test File: file\_JPL\_CO\_T137.85849184900007\_N14.699999999999999\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=14.7 tex=137.85849 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T106.04499373000004\_N14.599999999999999\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=14.6 tex=106.04499 velo=250.0 fwhm=50.0 sourcesize=10.0

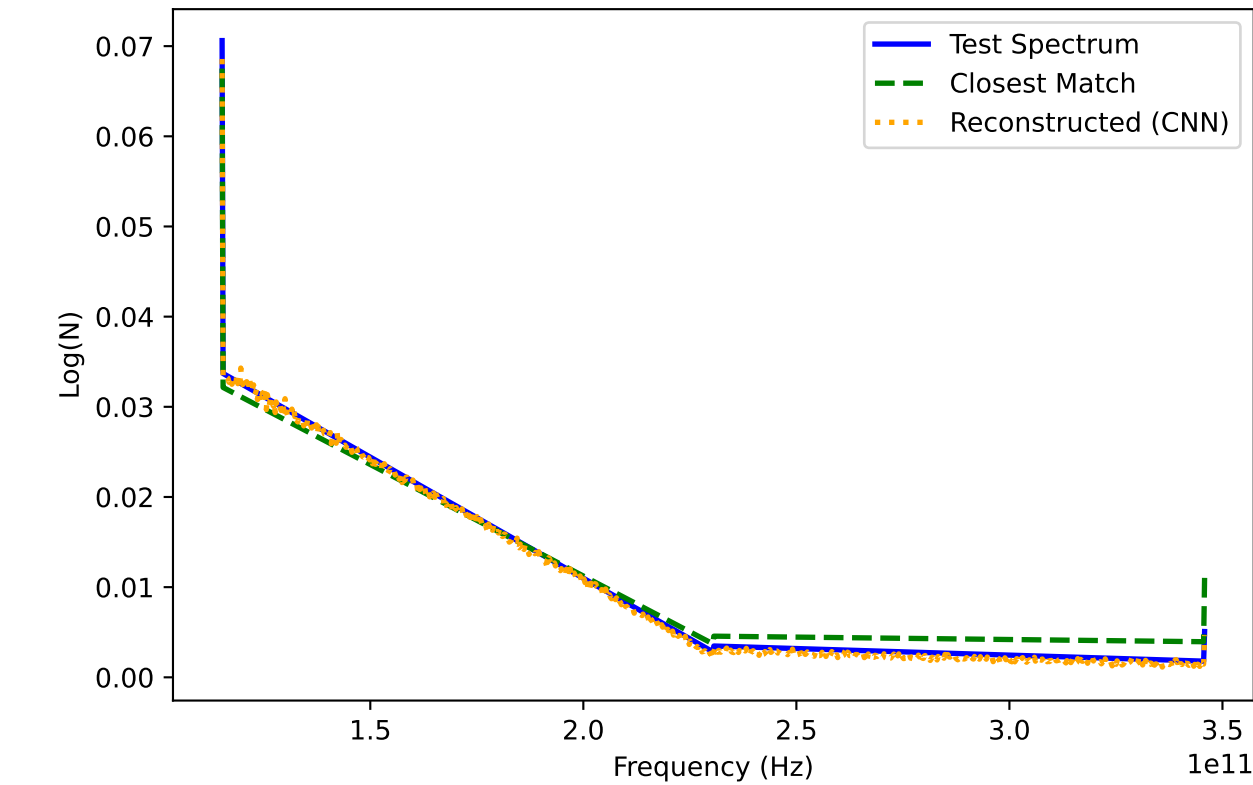
Test 4 vs Match 616



Test File: file\_JPL\_CO\_T81.57307210000003\_N13.499999999999995\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=13.5 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T106.04499373000004\_N13.599999999999994\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=13.6 tex=106.04499 velo=250.0 fwhm=50.0 sourcesize=10.0

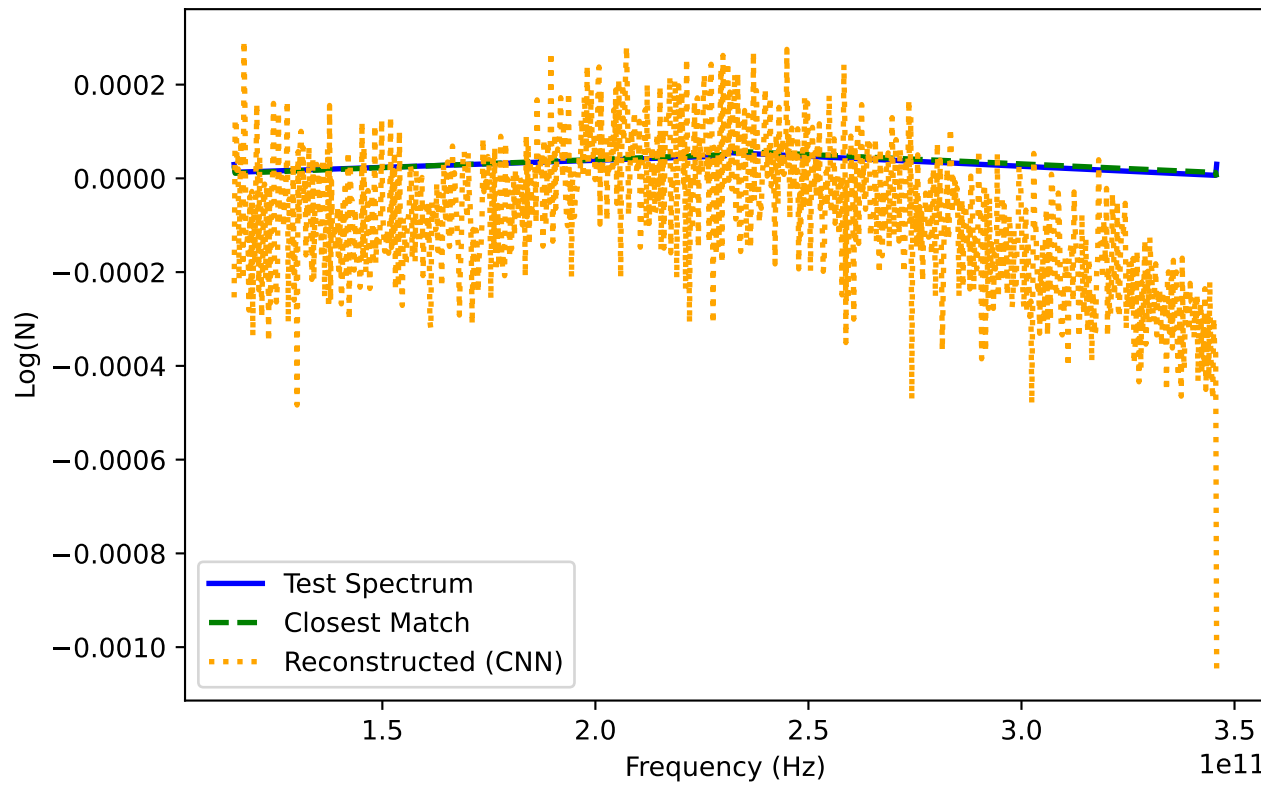
Test 5 vs Match 324



Test File: file\_JPL\_CO\_T13.0\_N17.900000000000013\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=17.9 tex=13.0 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T21.970000000000002\_N18.000000000000014\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=18.0 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

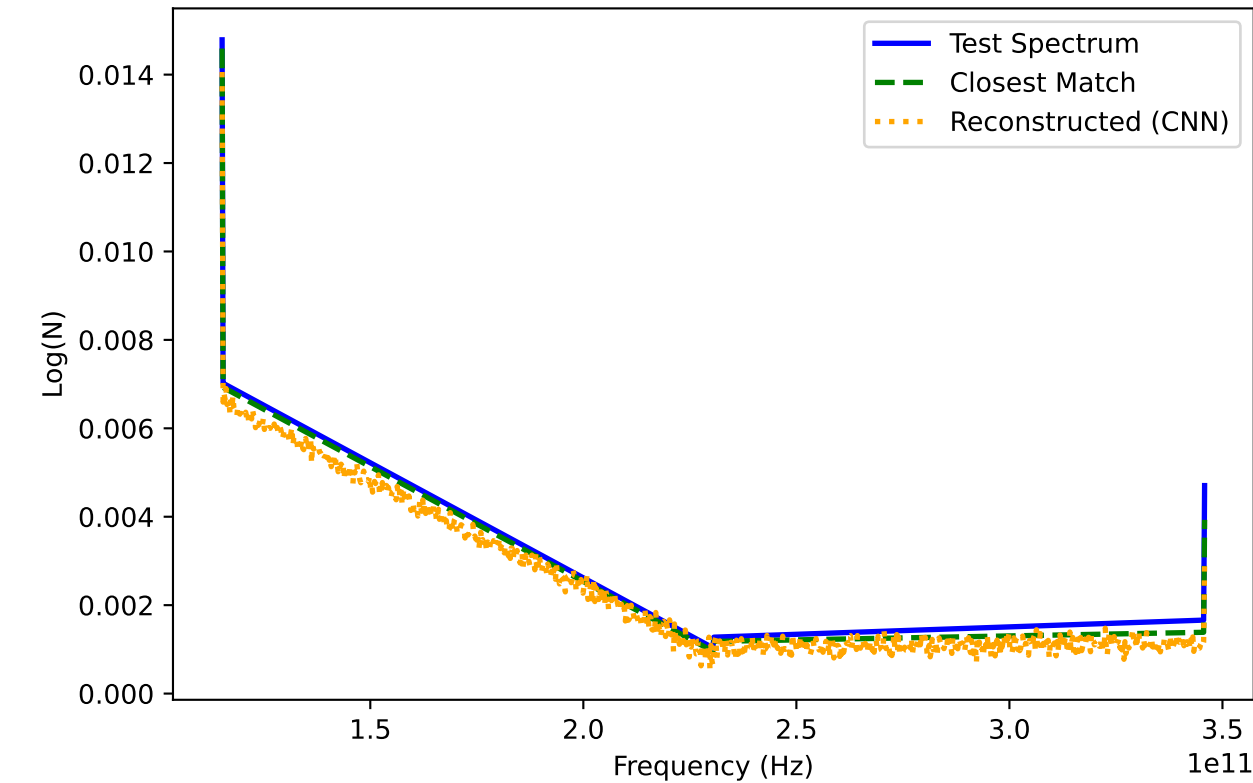
Test 6 vs Match 691



Test File: file\_JPL\_CO\_T62.74851700000002\_N13.899999999999993\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=13.9 tex=62.748516 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T232.98085122481015\_N14.399999999999991\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=14.4 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

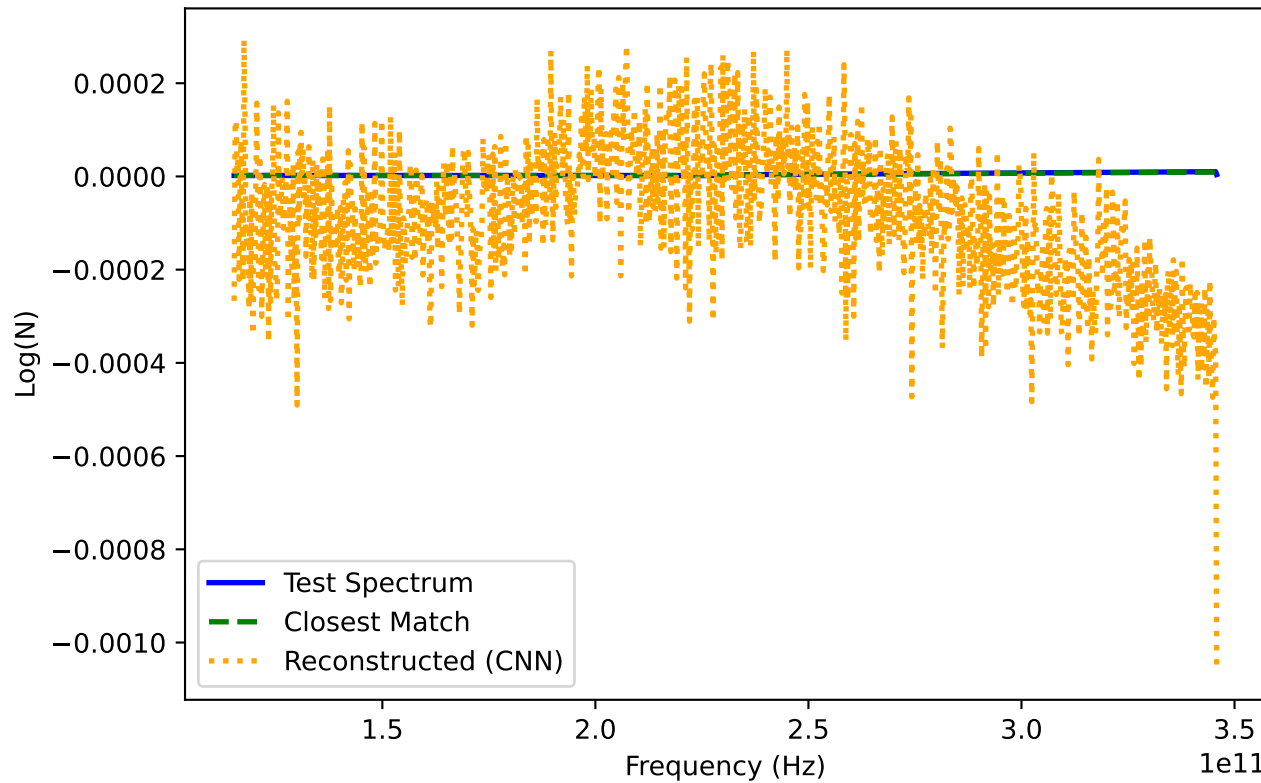
Test 7 vs Match 157



Test File: file\_JPL\_CO\_T48.268090000000015\_N17.600000000000001\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=17.6 tex=48.26809 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T37.129300000000001\_N17.500000000000007\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=17.5 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

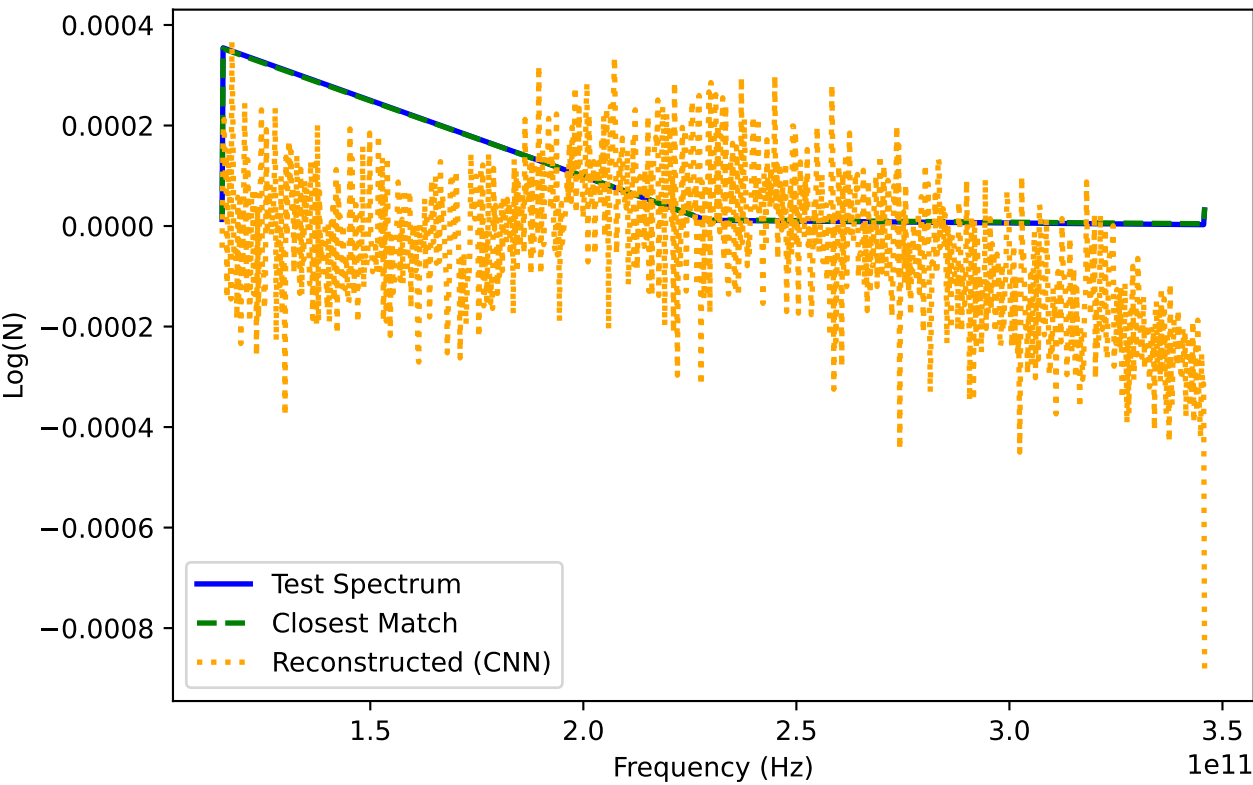
Test 8 vs Match 473



Test File: file\_JPL\_CO\_T37.129300000000001\_N12.699999999999998\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=12.7 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T62.74851700000002\_N12.499999999999998\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=12.5 tex=62.748516 velo=250.0 fwhm=50.0 sourcesize=10.0

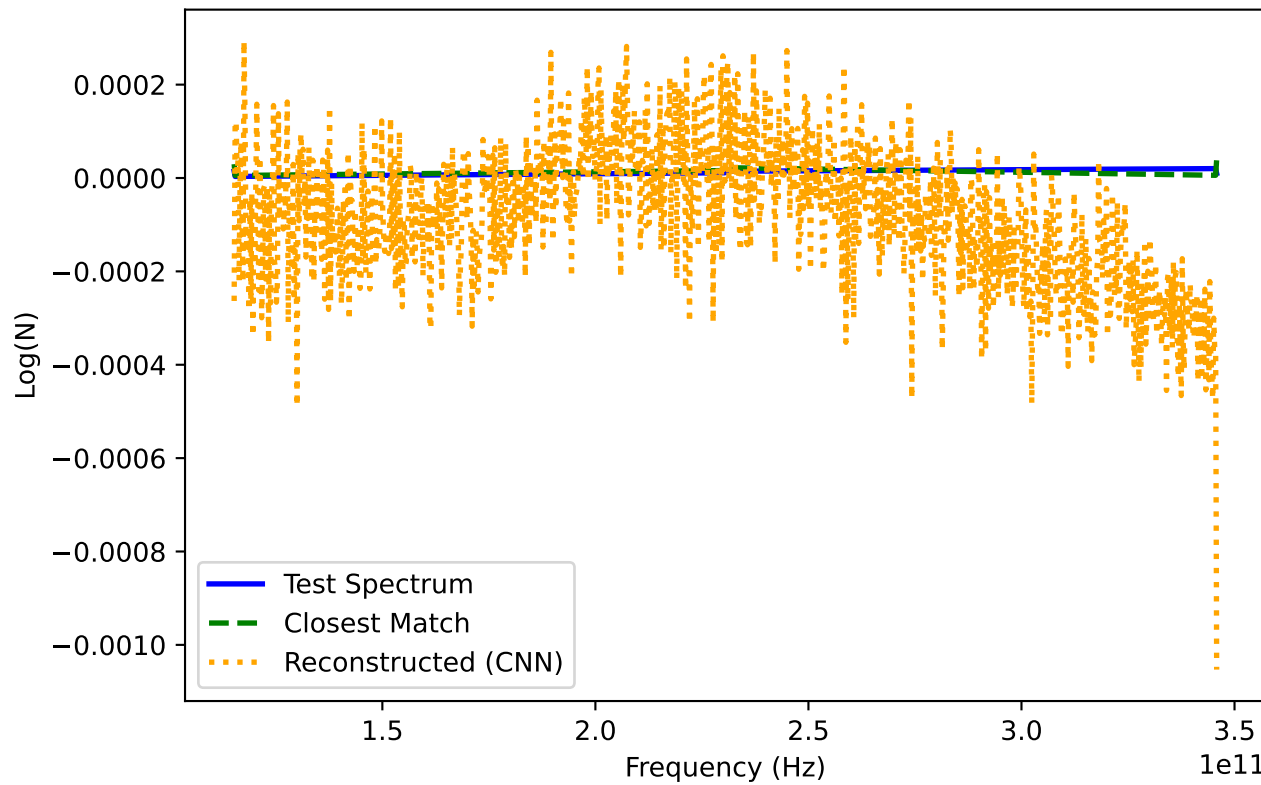
Test 9 vs Match 476



Test File: file\_JPL\_CO\_T62.74851700000002\_N14.999999999999999\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=15.0 tex=62.748516 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T81.57307210000003\_N15.099999999999989\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=15.1 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

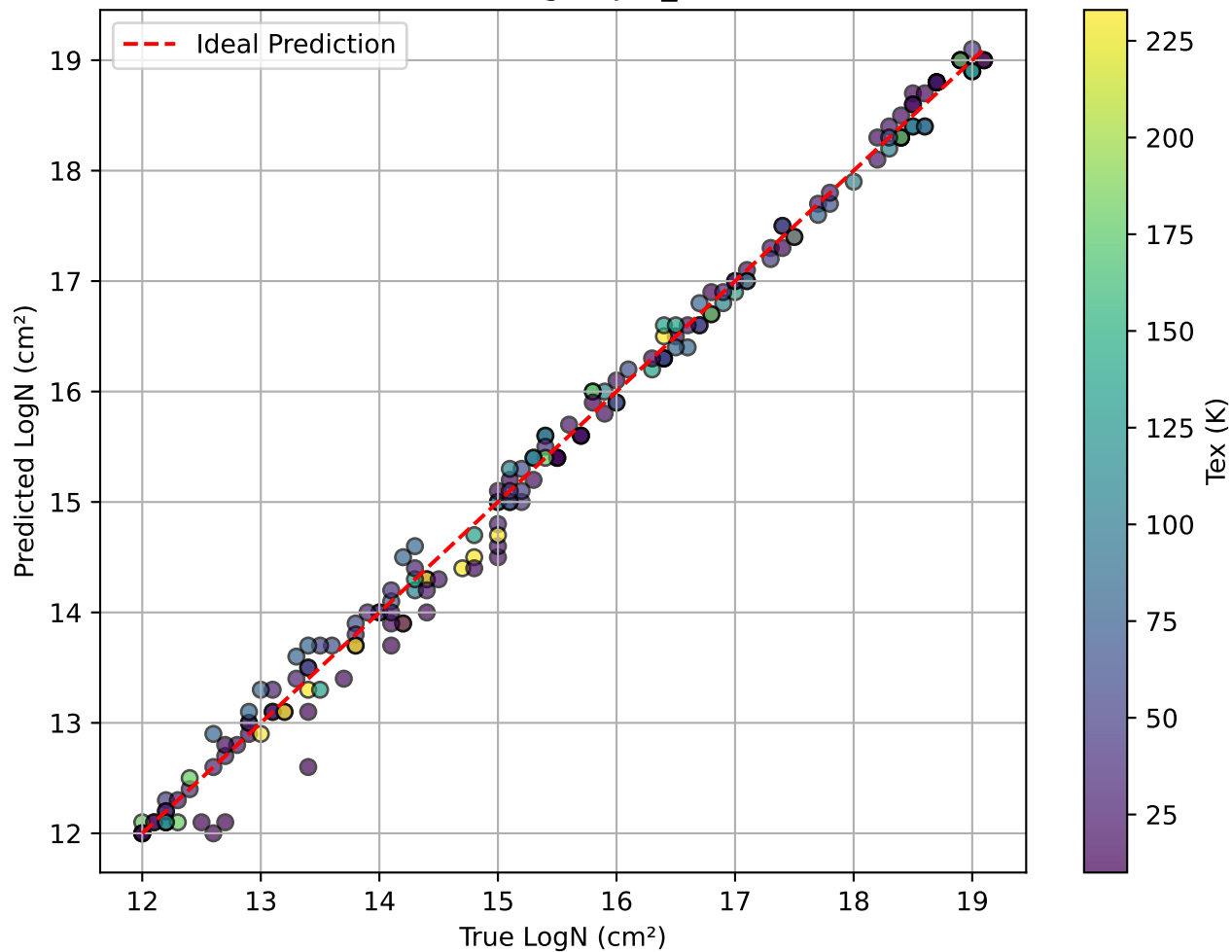
Test 10 vs Match 465



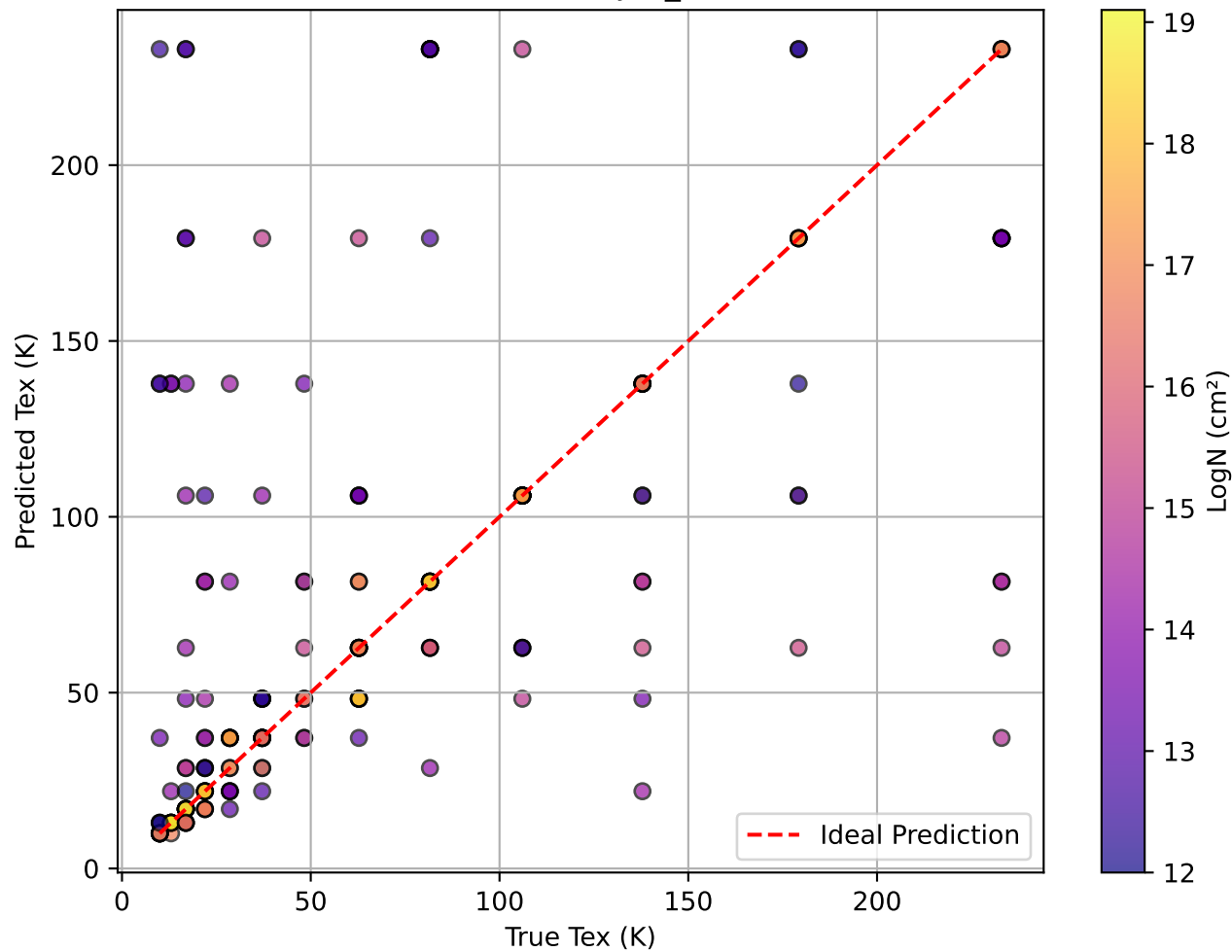
Test File: file\_JPL\_CO\_T16.900000000000002\_N13.299999999999995\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=13.3 tex=16.9 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T37.129300000000001\_N14.999999999999999\_cleaned\_simulate\_generate  
Header: //molecules='CO|1' logn=15.0 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

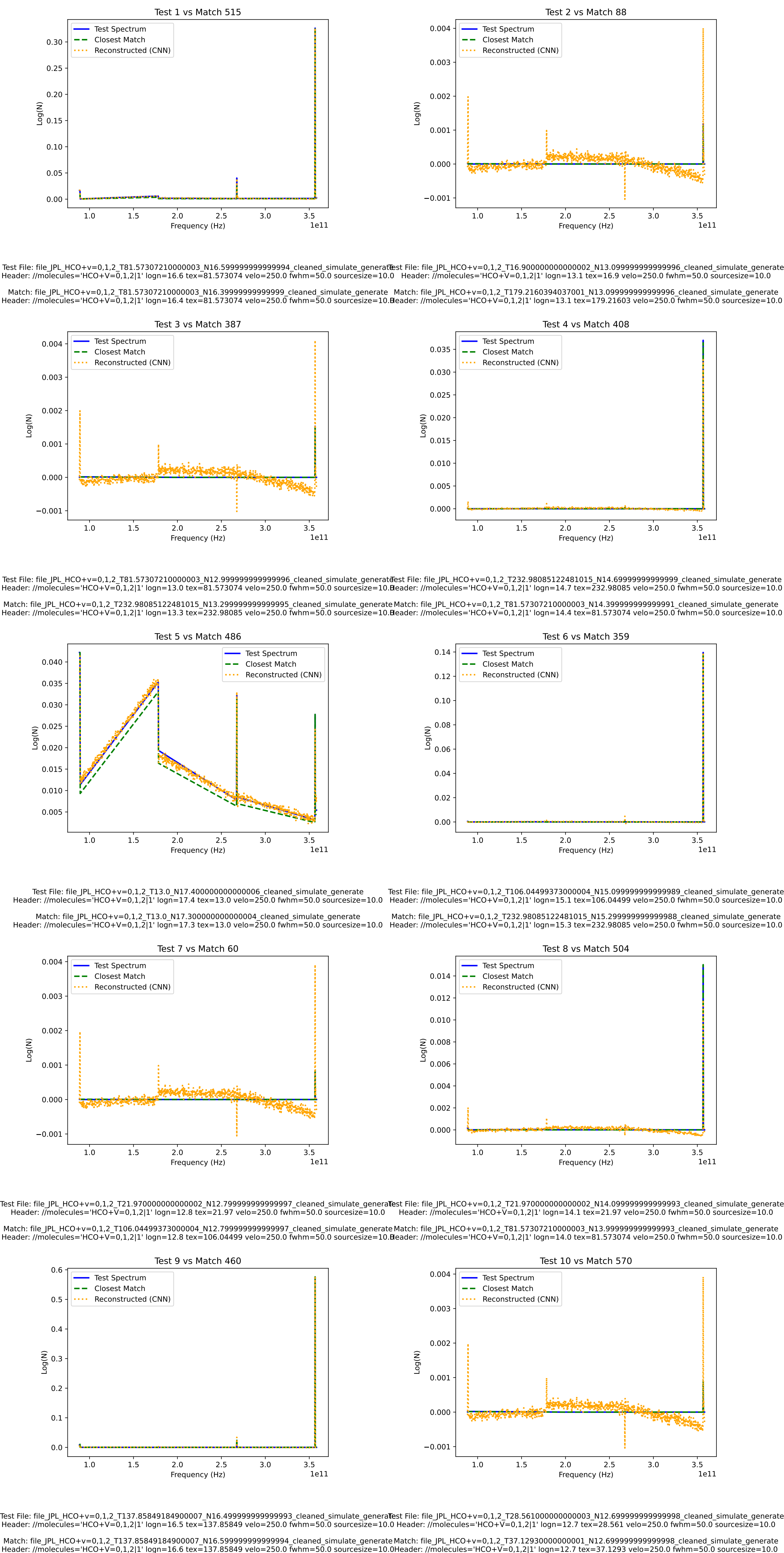
Predicted vs True LogN - JPL\_HCO+v=0,1,2



Predicted vs True Tex - JPL\_HCO+v=0,1,2







Test File: file\_JPL\_HCO+v=0,1,2\_T81.57307210000003\_N16.599999999999994\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=16.6 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T81.57307210000003\_N16.399999999999999\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=16.4 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

Test File: file\_JPL\_HCO+v=0,1,2\_T16.900000000000002\_N13.099999999999996\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=13.1 tex=16.9 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T179.2160394037001\_N13.099999999999996\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=13.1 tex=179.21603 velo=250.0 fwhm=50.0 sourcesize=10.0

Test File: file\_JPL\_HCO+v=0,1,2\_T81.57307210000003\_N12.999999999999996\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=13.0 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T232.98085122481015\_N13.299999999999995\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=13.3 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

Test File: file\_JPL\_HCO+v=0,1,2\_T232.98085122481015\_N14.699999999999999\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=14.7 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T81.57307210000003\_N14.399999999999991\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=14.4 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

Test File: file\_JPL\_HCO+v=0,1,2\_T13.0\_N17.400000000000006\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=17.4 tex=13.0 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T13.0\_N17.300000000000004\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=17.3 tex=13.0 velo=250.0 fwhm=50.0 sourcesize=10.0

Test File: file\_JPL\_HCO+v=0,1,2\_T106.04499373000004\_N15.099999999999989\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=15.1 tex=106.04499 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T232.98085122481015\_N15.299999999999988\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=15.3 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

Test File: file\_JPL\_HCO+v=0,1,2\_T21.970000000000002\_N12.799999999999997\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=12.8 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T106.04499373000004\_N12.799999999999997\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=12.8 tex=106.04499 velo=250.0 fwhm=50.0 sourcesize=10.0

Test File: file\_JPL\_HCO+v=0,1,2\_T21.970000000000002\_N14.099999999999993\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=14.1 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T81.57307210000003\_N13.999999999999993\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=14.0 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

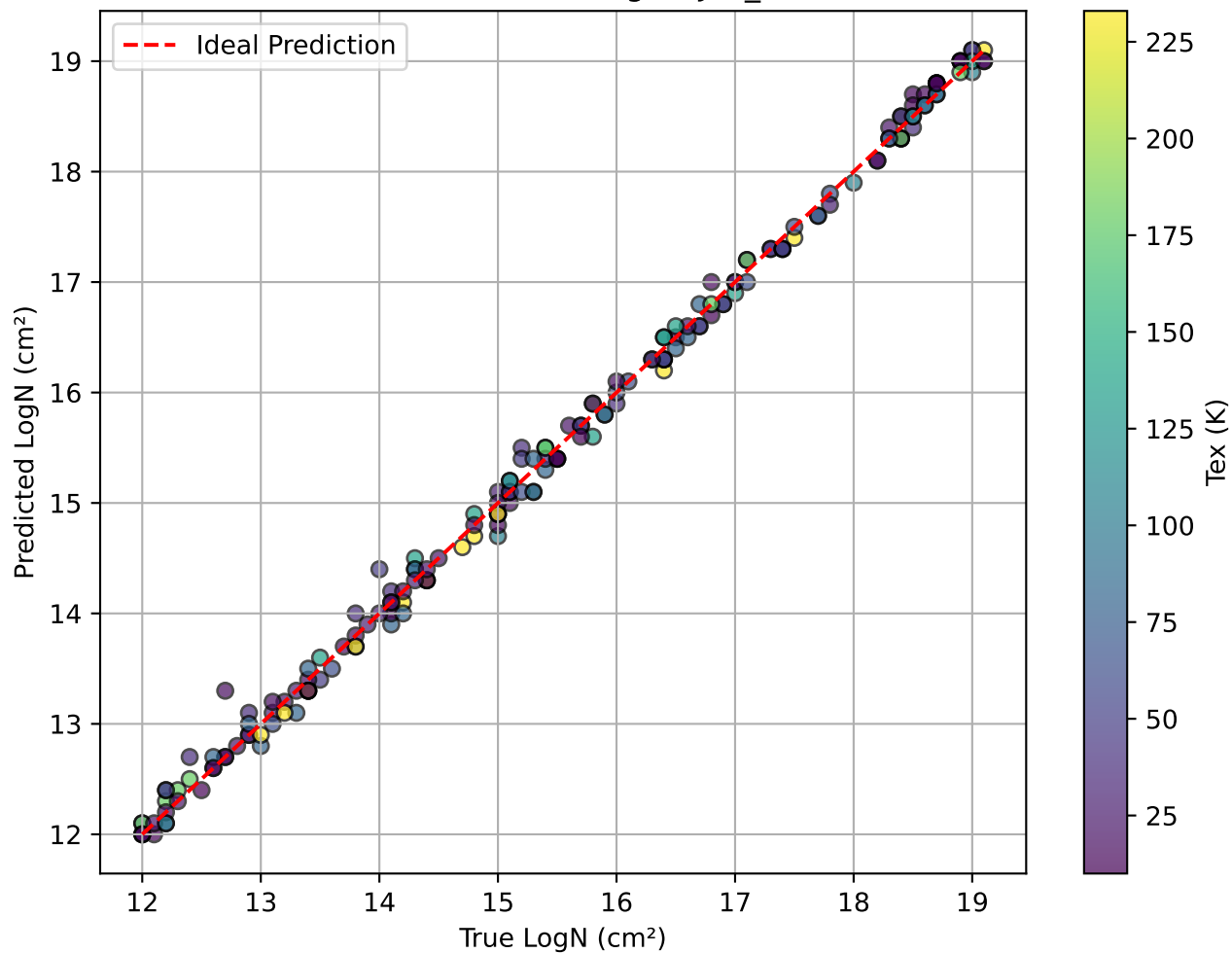
Test File: file\_JPL\_HCO+v=0,1,2\_T137.85849184900007\_N16.499999999999993\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=16.5 tex=137.85849 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T137.85849184900007\_N16.599999999999994\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=16.6 tex=137.85849 velo=250.0 fwhm=50.0 sourcesize=10.0

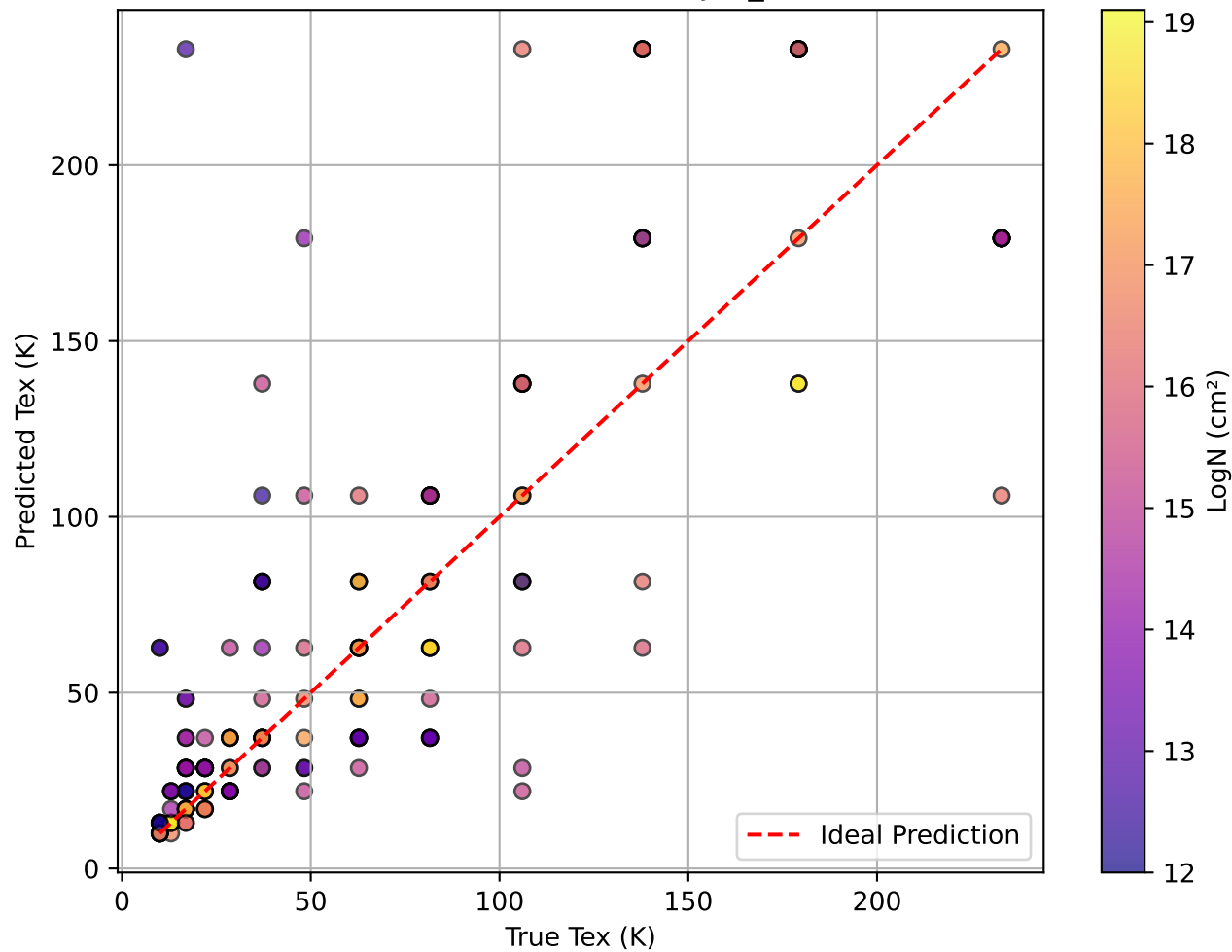
Test File: file\_JPL\_HCO+v=0,1,2\_T28.561000000000003\_N12.699999999999998\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=12.7 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T37.129300000000001\_N12.699999999999998\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2|1' logn=12.7 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

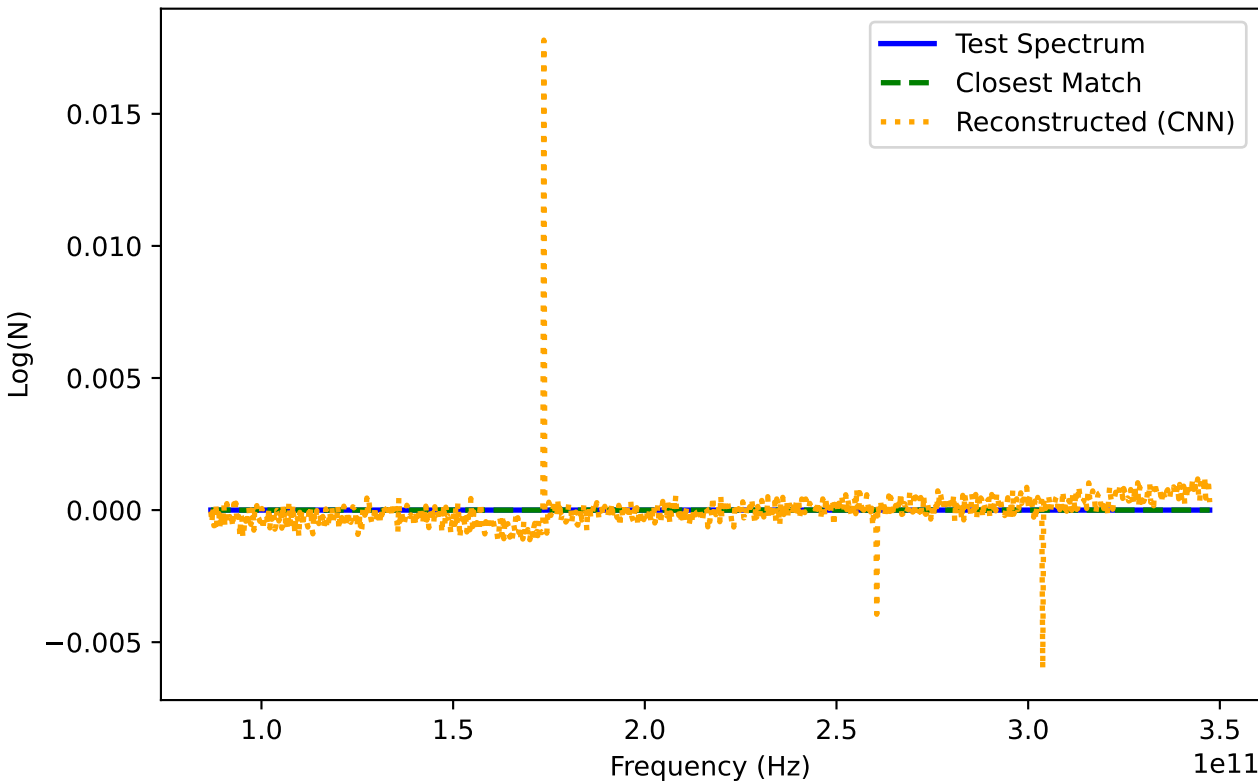
Predicted vs True LogN - JPL\_SiO



Predicted vs True Tex - JPL\_SiO

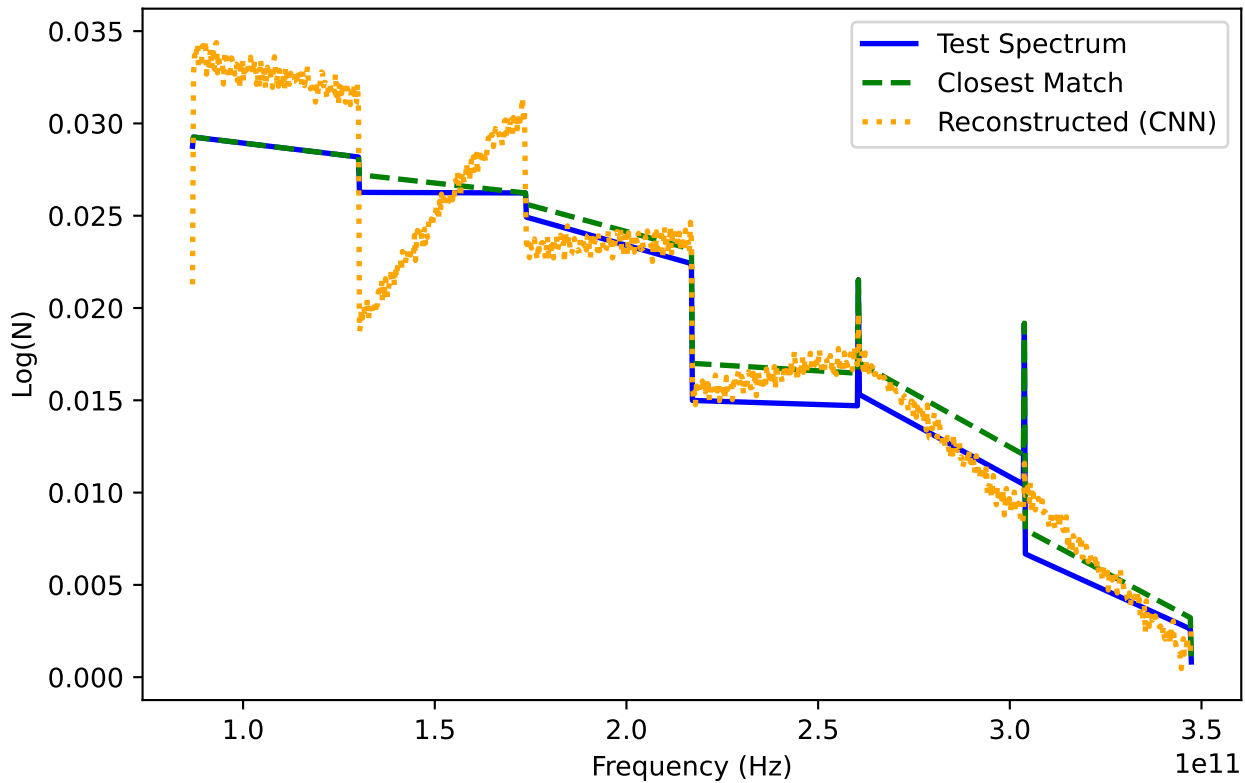


Test 1 vs Match 59



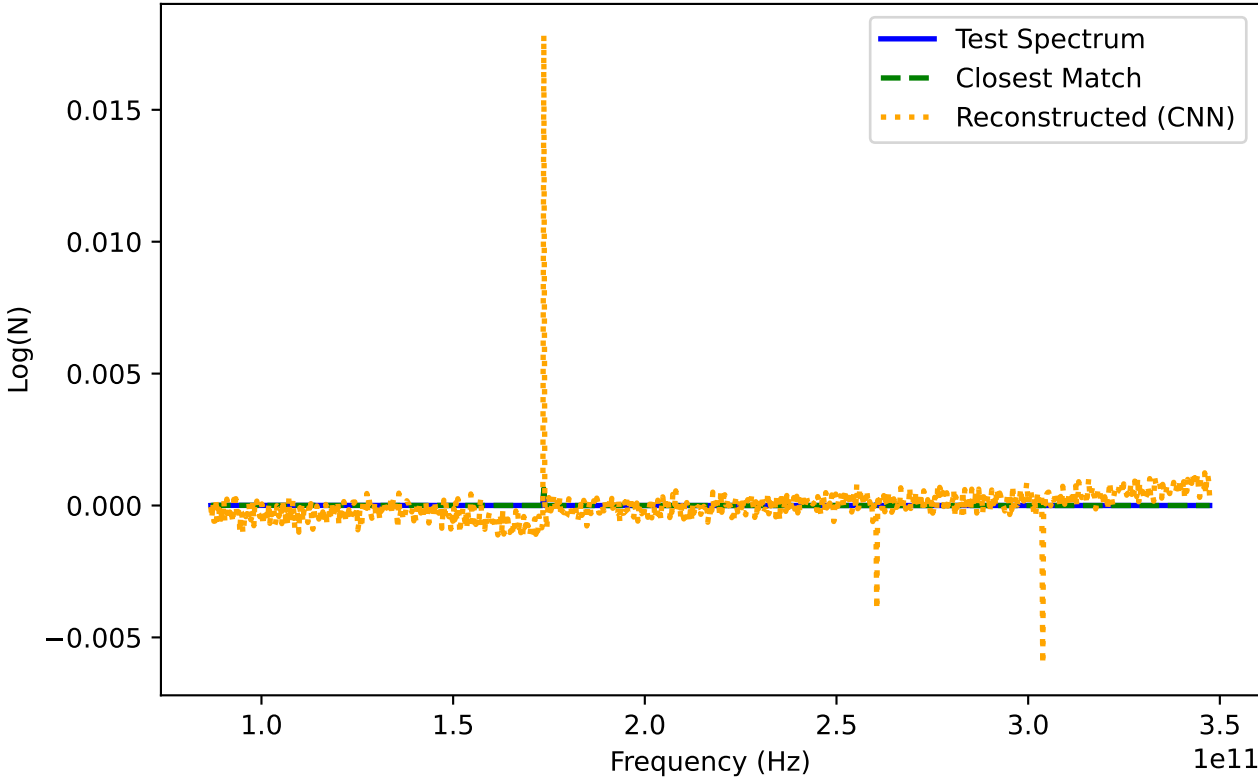
Test File: file\_JPL\_SiO\_T137.85849184900007\_N12.2\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=12.2 tex=137.85849 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T232.98085122481015\_N12.399999999999999\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=12.4 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 2 vs Match 129



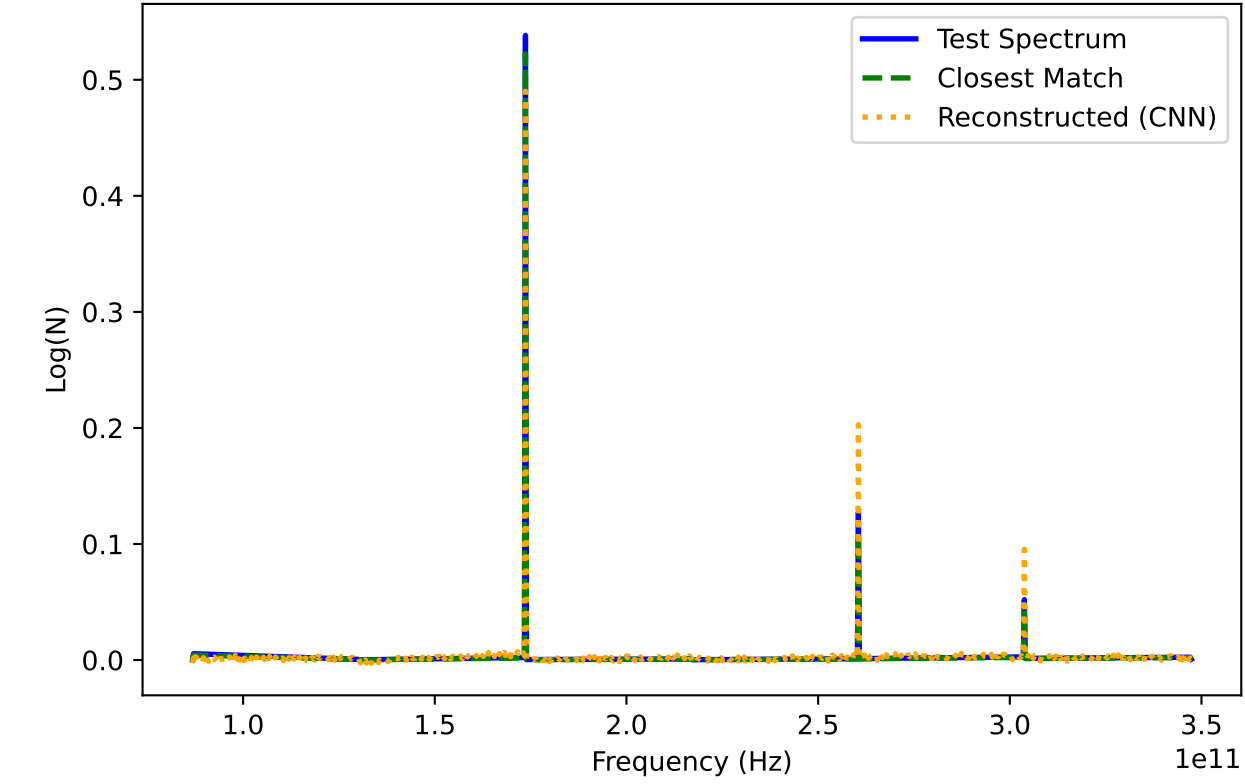
Test File: file\_JPL\_SiO\_T10\_N18.700000000000024\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=18.7 tex=10.0 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T10\_N18.800000000000026\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=18.8 tex=10.0 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 3 vs Match 338



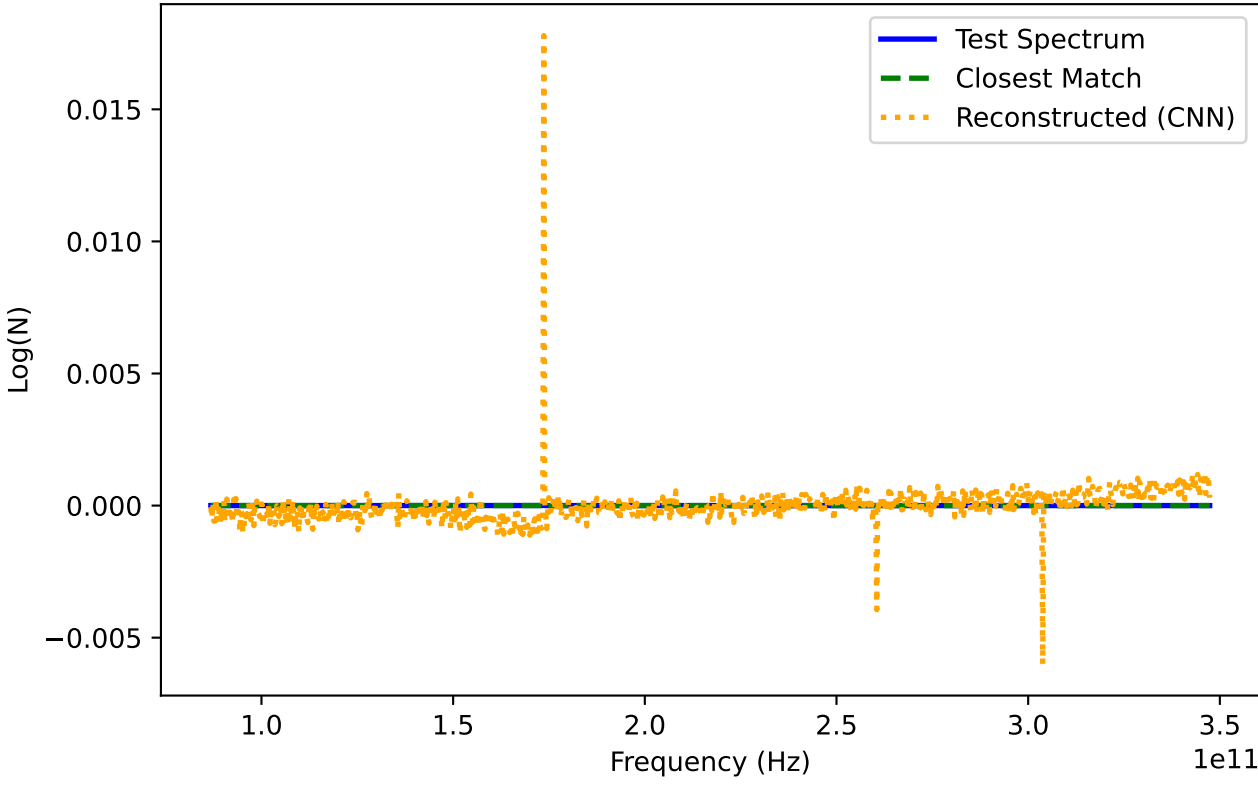
Test File: file\_JPL\_SiO\_T28.561000000000003\_N13.099999999999996\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=13.1 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T21.970000000000002\_N13.099999999999996\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=13.1 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 4 vs Match 319



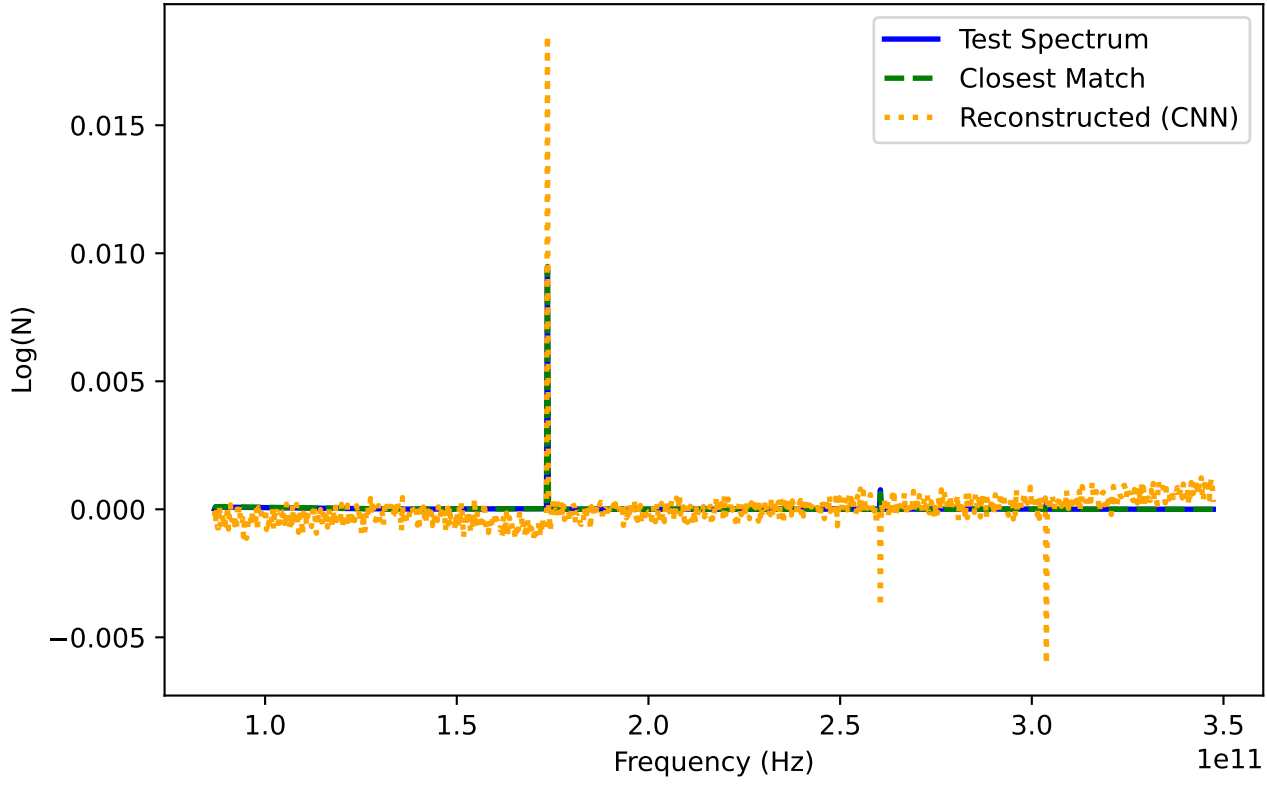
Test File: file\_JPL\_SiO\_T179.2160394037001\_N16.799999999999997\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=16.8 tex=179.21603 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T232.98085122481015\_N16.799999999999997\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=16.8 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 5 vs Match 303



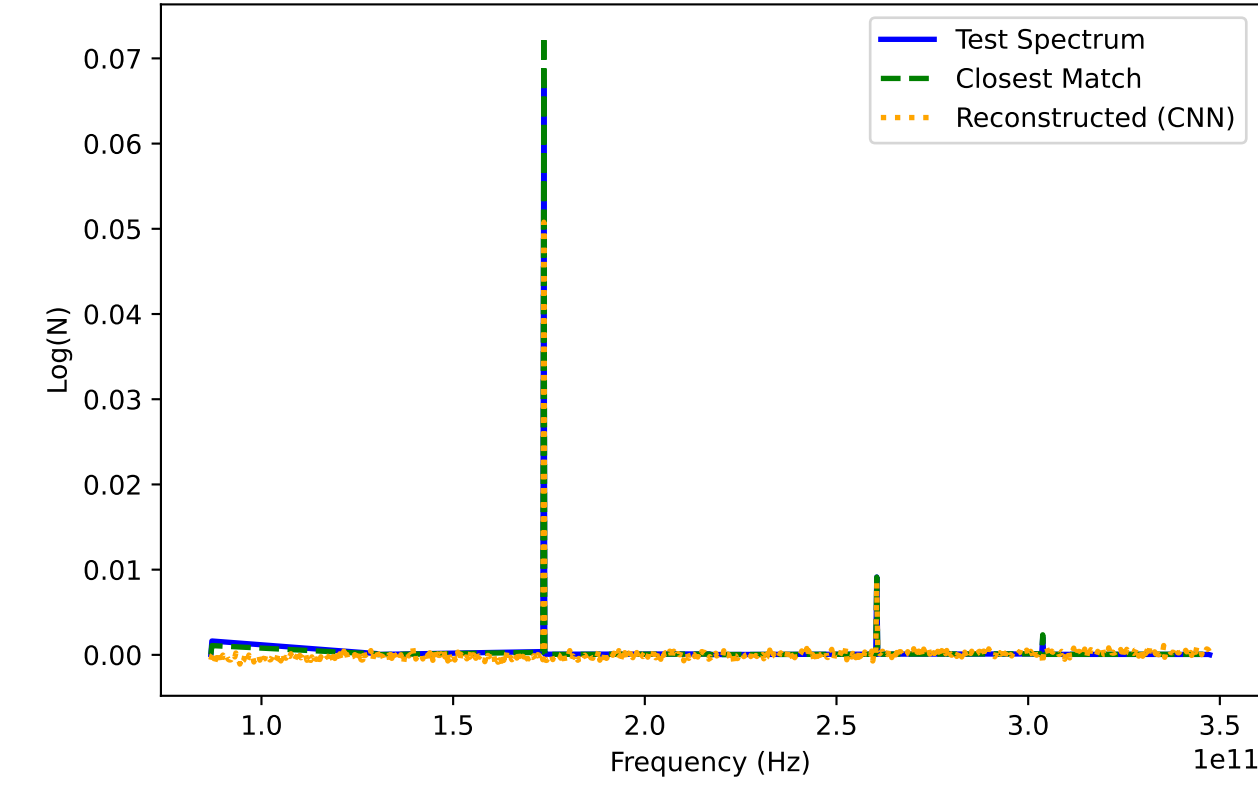
Test File: file\_JPL\_SiO\_T48.268090000000015\_N12.2\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=12.2 tex=48.26809 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T28.561000000000003\_N12.1\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=12.1 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 6 vs Match 650



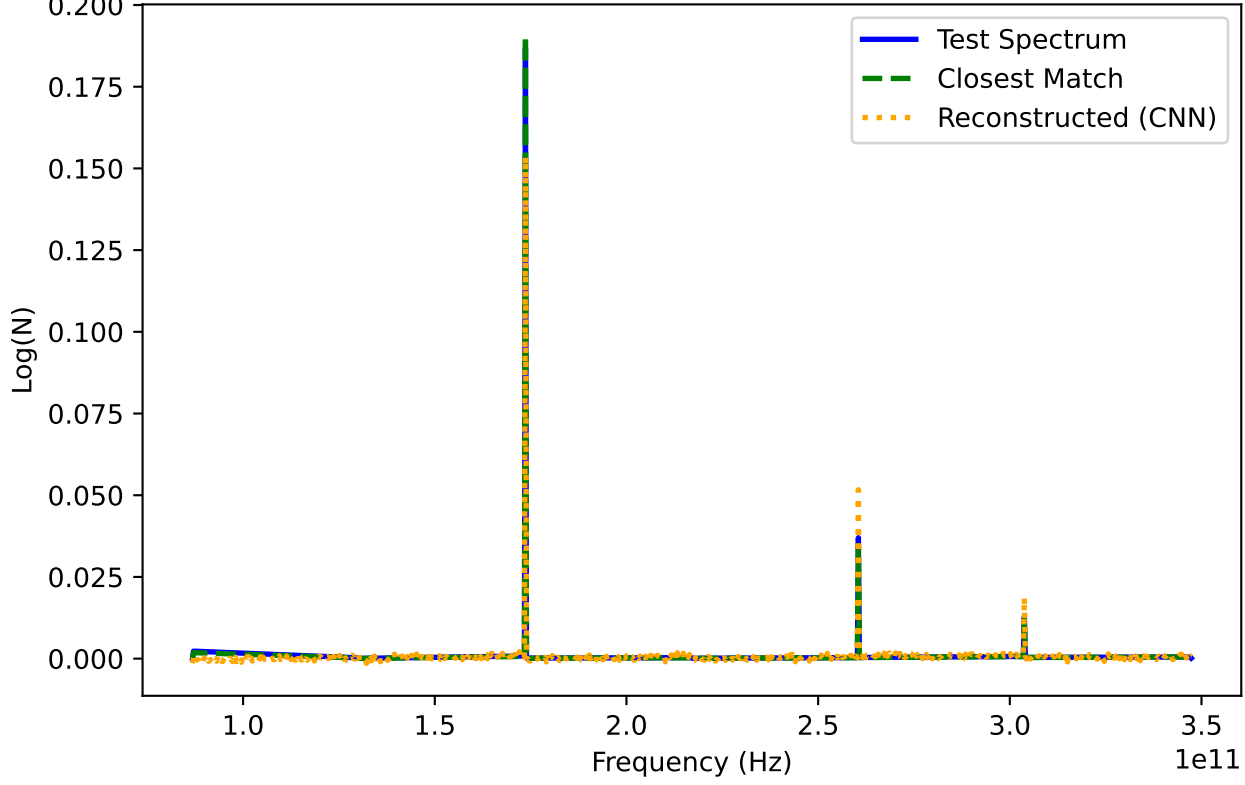
Test File: file\_JPL\_SiO\_T28.561000000000003\_N14.299999999999992\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=14.3 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T21.970000000000002\_N14.299999999999992\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=14.3 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 7 vs Match 461



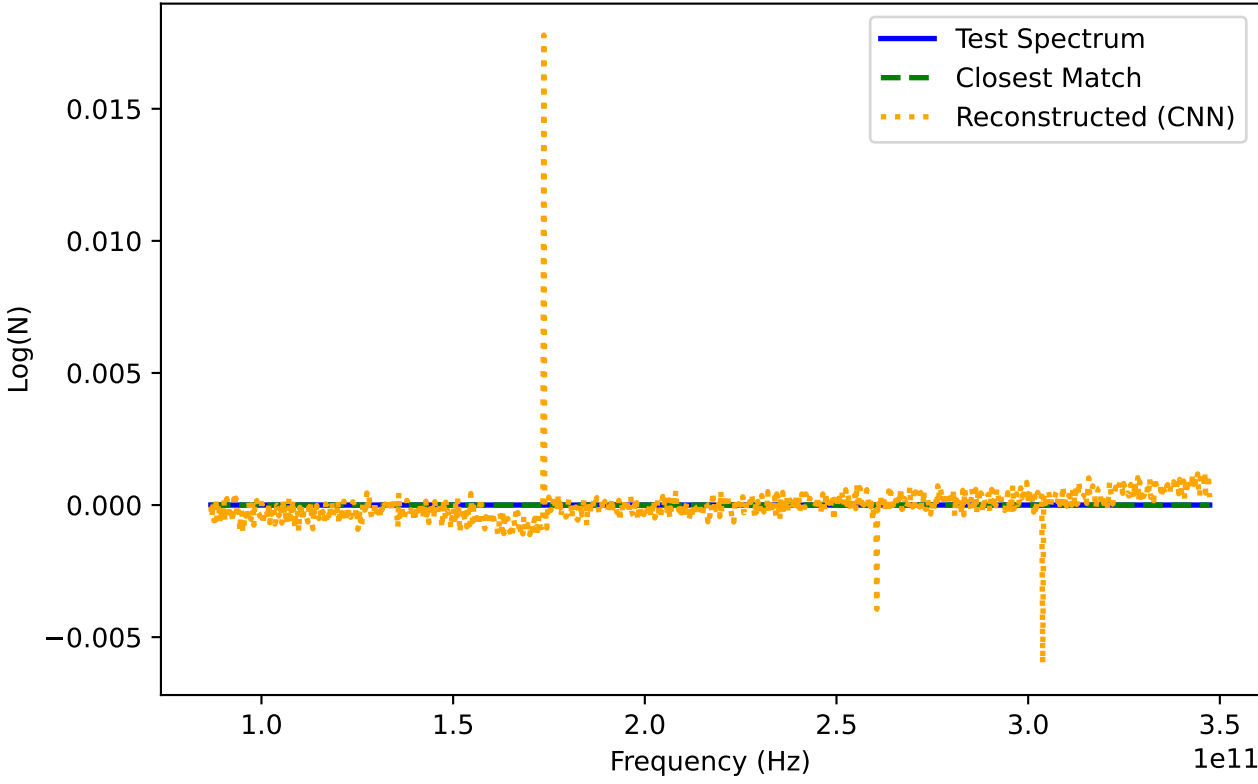
Test File: file\_JPL\_SiO\_T21.970000000000002\_N15.499999999999988\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=15.5 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T28.561000000000003\_N15.399999999999988\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=15.4 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 8 vs Match 415



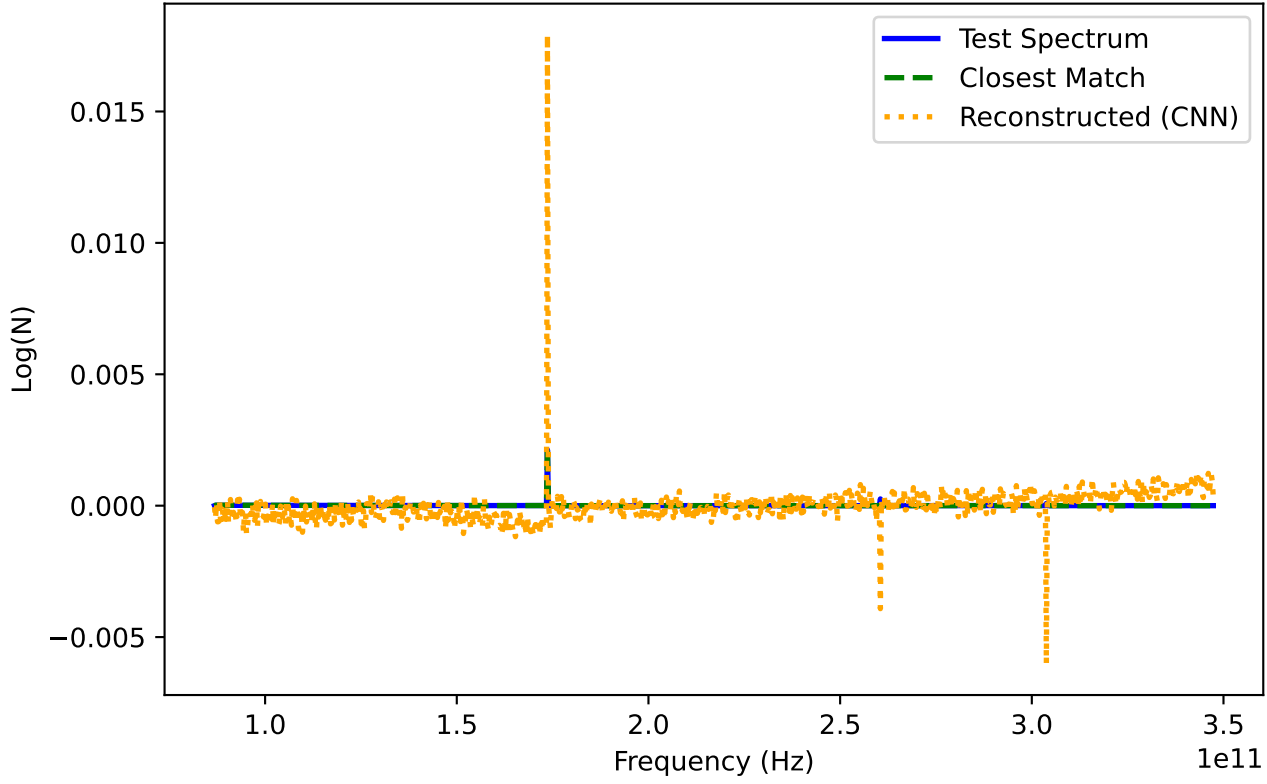
Test File: file\_JPL\_SiO\_T62.748517000000002\_N15.999999999999986\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=16.0 tex=62.748516 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T81.573072100000003\_N15.999999999999986\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=16.0 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 9 vs Match 59



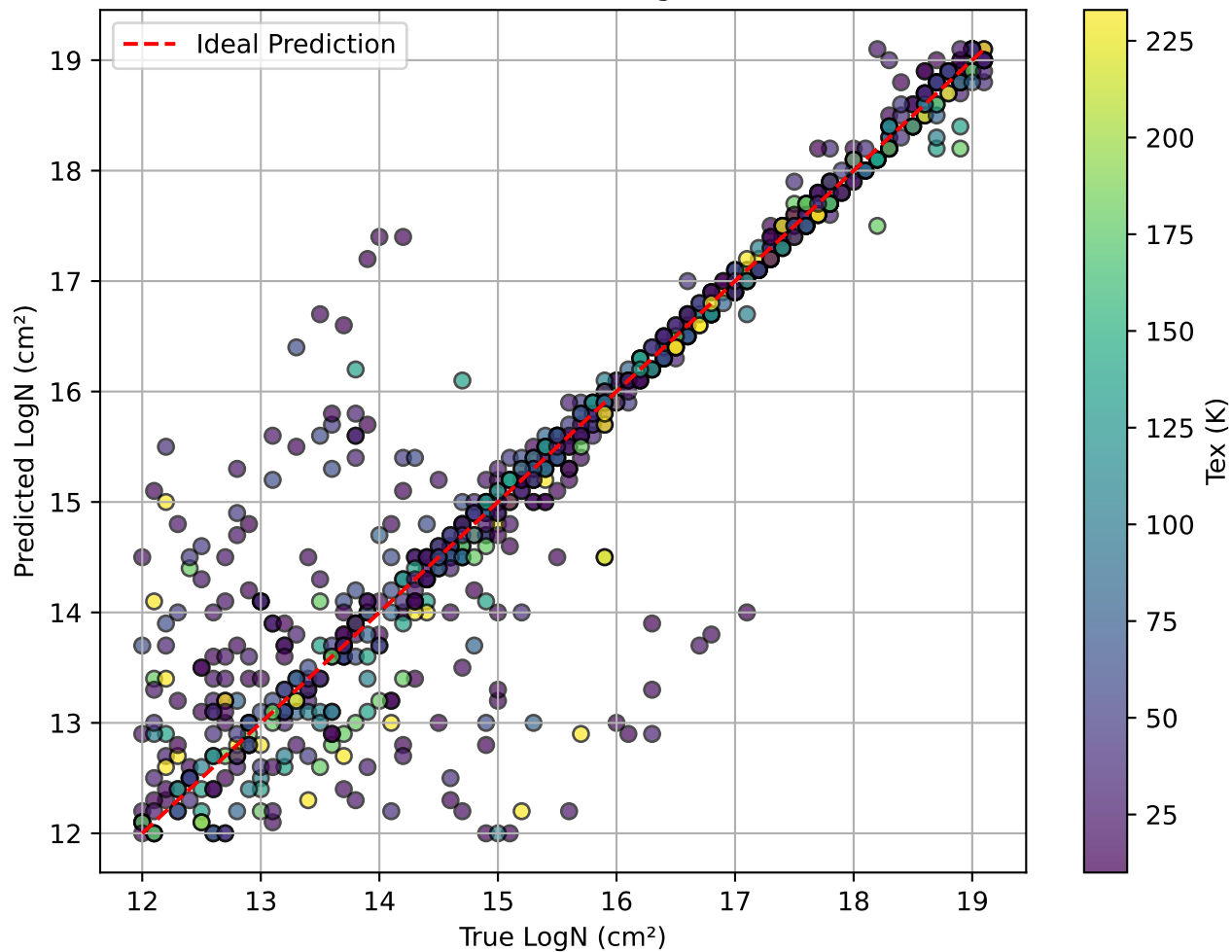
Test File: file\_JPL\_SiO\_T179.2160394037001\_N12.299999999999999\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=12.3 tex=179.21603 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T232.98085122481015\_N12.399999999999999\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=12.4 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 10 vs Match 383

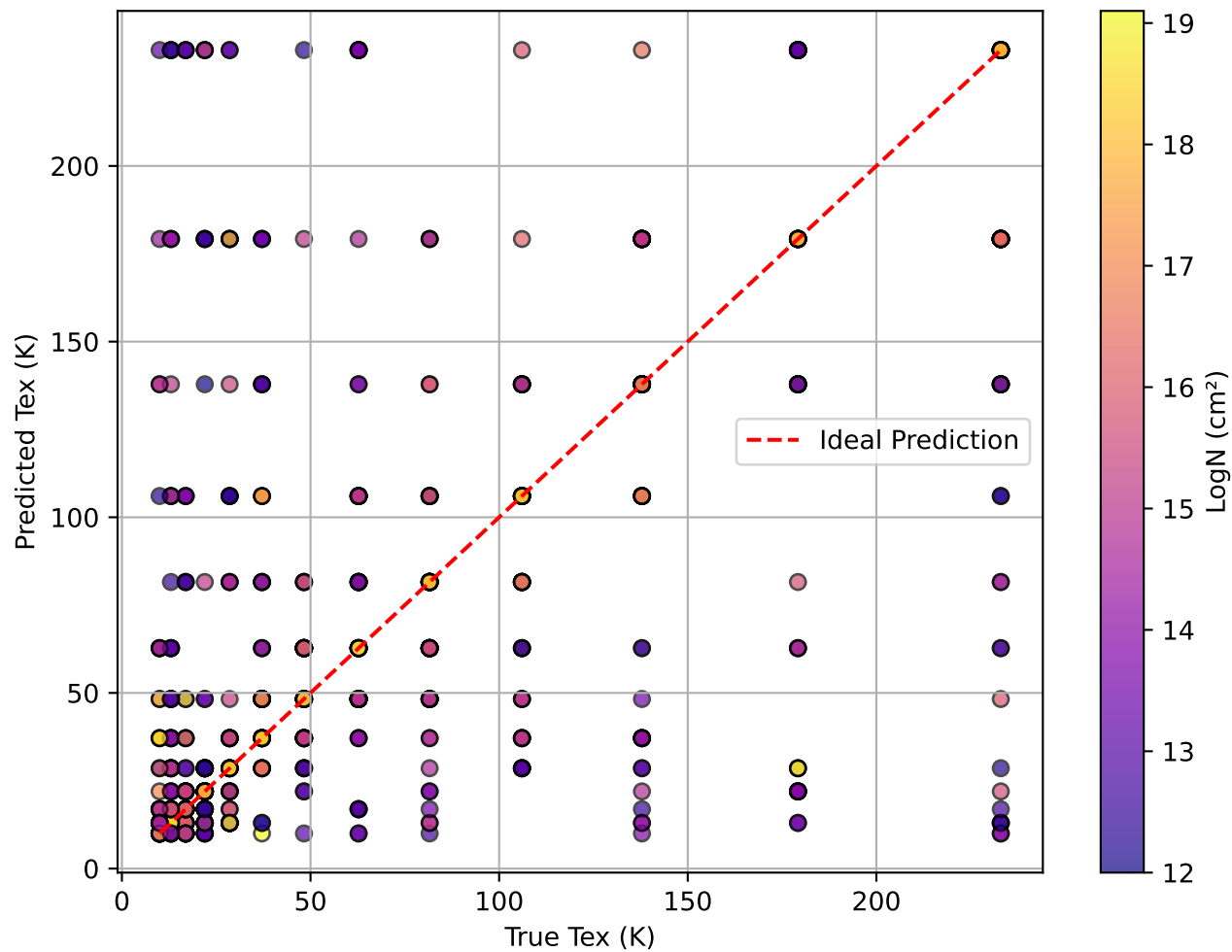


Test File: file\_JPL\_SiO\_T62.748517000000002\_N13.799999999999994\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=13.8 tex=62.748516 velo=250.0 fwhm=50.0 sourcesize=10.0  
  
Match: file\_JPL\_SiO\_T37.129300000000001\_N13.699999999999994\_cleaned\_simulate\_generate  
Header: //molecules='SiO|1' logn=13.7 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

Predicted vs True LogN - ALL

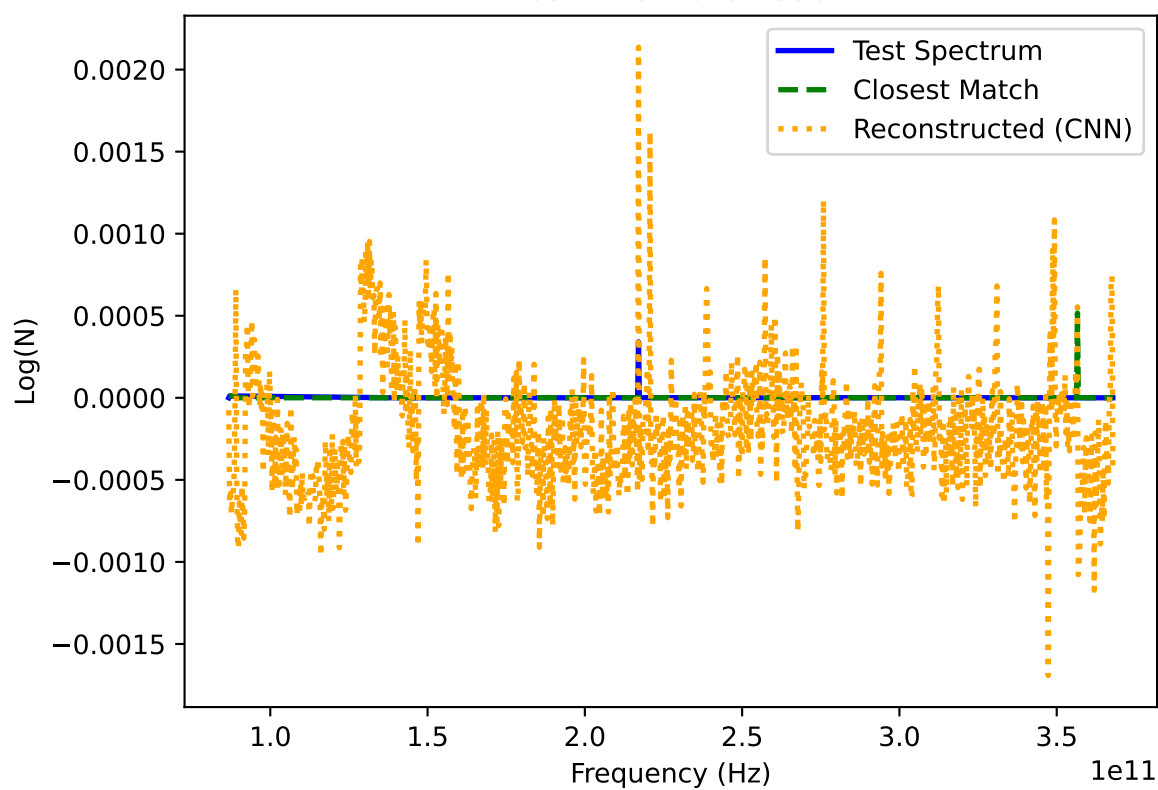


Predicted vs True Tex - ALL





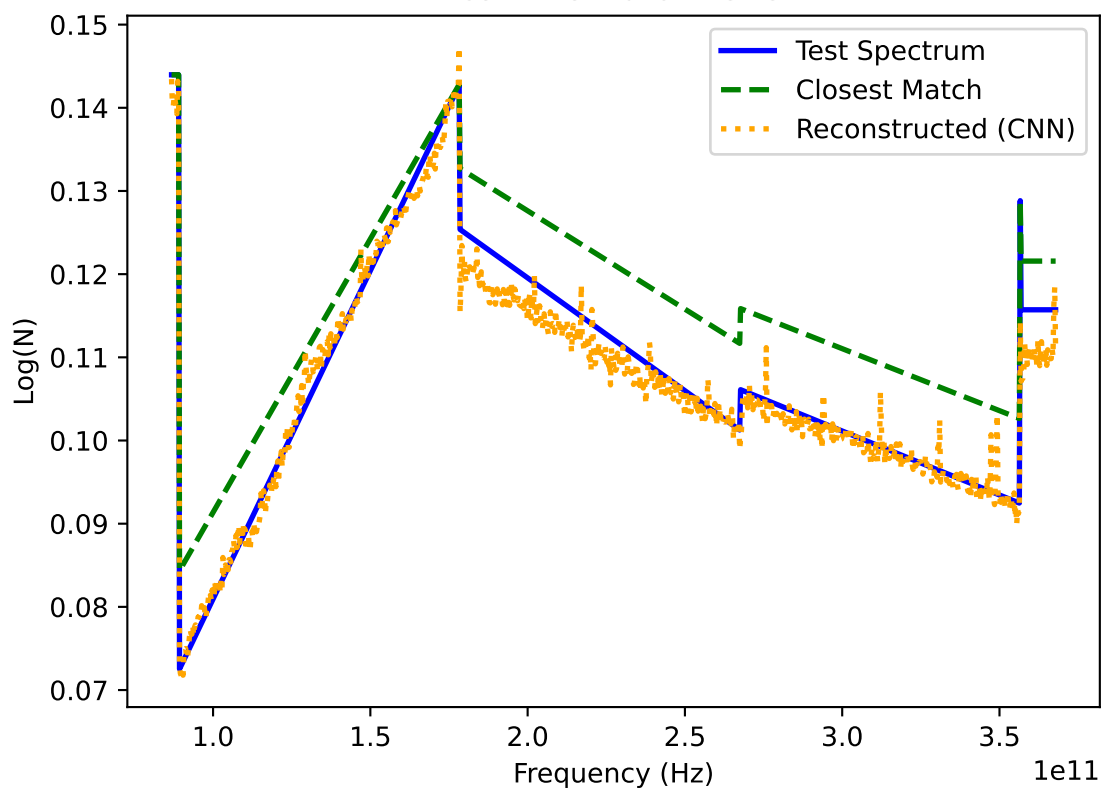
Test 1 vs Match 850



Test File: file\_JPL\_SiO\_T10\_N13.19999999999996\_cleaned\_simulate\_generate  
Header: //molecules='SiO[1]' logn=13.2 tex=10.0 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T232.98085122481015\_N13.89999999999993\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2[1]' logn=13.9 tex=232.98085 velo=250.0 fwhm=50.0 sourcesize=10.0

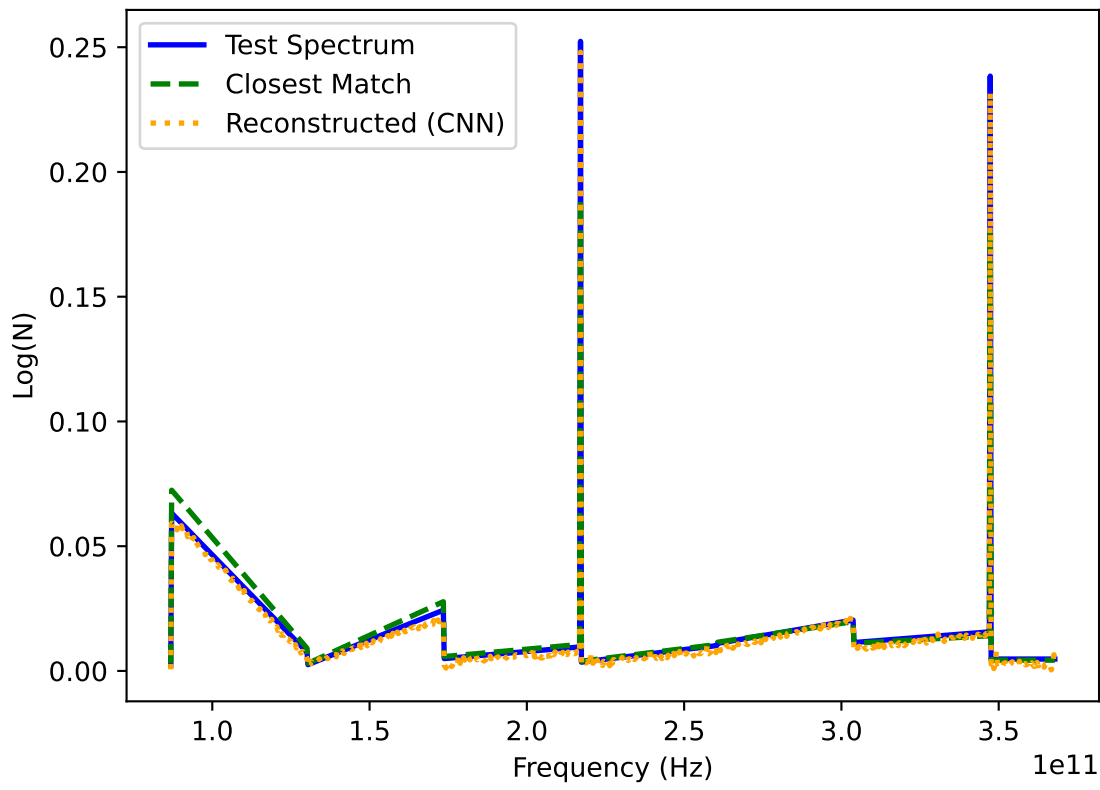
Test 2 vs Match 1578



Test File: file\_JPL\_HCO+v=0,1,2\_T37.12930000000001\_N18.600000000000023\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2[1]' logn=18.6 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T37.12930000000001\_N18.700000000000024\_cleaned\_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

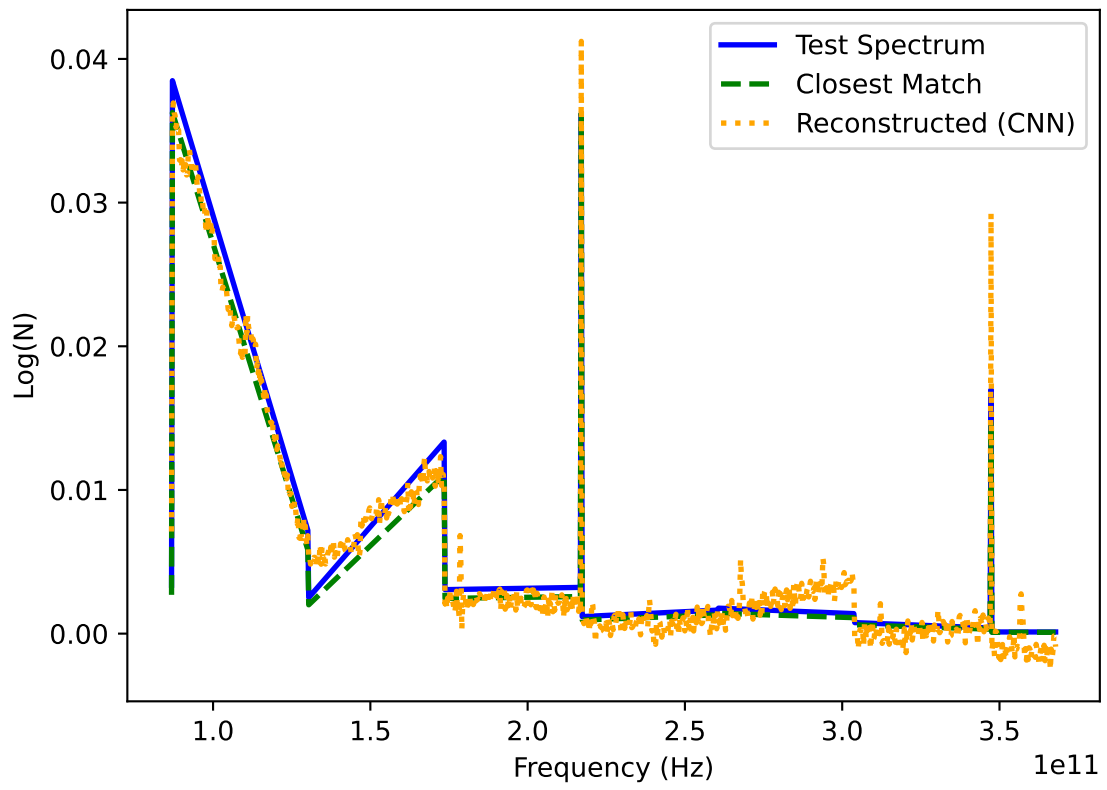
Test 3 vs Match 2479



Test File: file\_JPL\_SiO\_T62.74851700000002\_N17.500000000000007\_cleaned\_simulate\_generate  
Header: //molecules='SiO[1]' logn=17.5 tex=62.748516 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_SiO\_T48.268090000000015\_N17.500000000000007\_cleaned\_simulate\_generate  
Header: //molecules='SiO[1]' logn=17.5 tex=48.26809 velo=250.0 fwhm=50.0 sourcesize=10.0

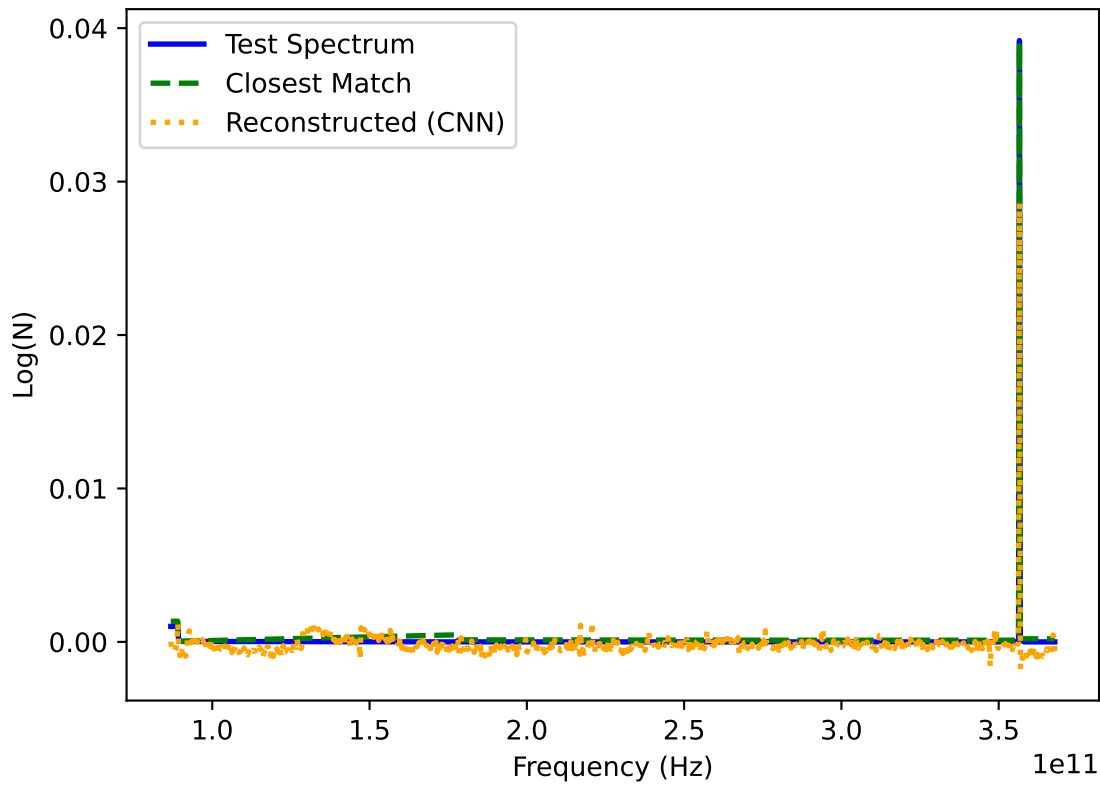
Test 4 vs Match 2463



Test File: file\_JPL\_SiO\_T13.0\_N17.200000000000003\_cleaned\_simulate\_generate  
Header: //molecules='SiO[1]' logn=17.2 tex=13.0 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_SiO\_T13.0\_N17.1\_cleaned\_simulate\_generate  
Header: //molecules='SiO[1]' logn=17.1 tex=13.0 velo=250.0 fwhm=50.0 sourcesize=10.0

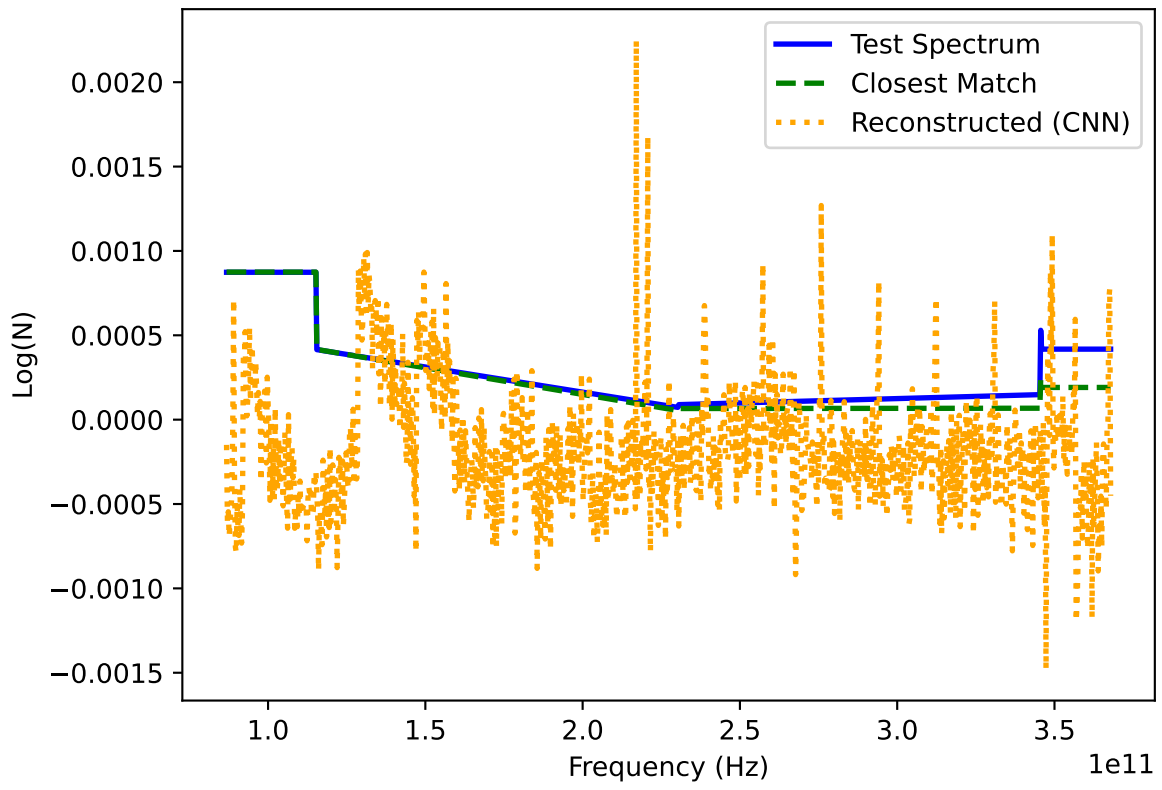
Test 5 vs Match 126



Test File: file\_JPL\_HCO+v=0,1,2\_T179.2160394037001\_N15.699999999999987\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2[1]' logn=15.7 tex=179.21603 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T81.573072100000003\_N15.499999999999988\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2[1]' logn=15.5 tex=81.573074 velo=250.0 fwhm=50.0 sourcesize=10.0

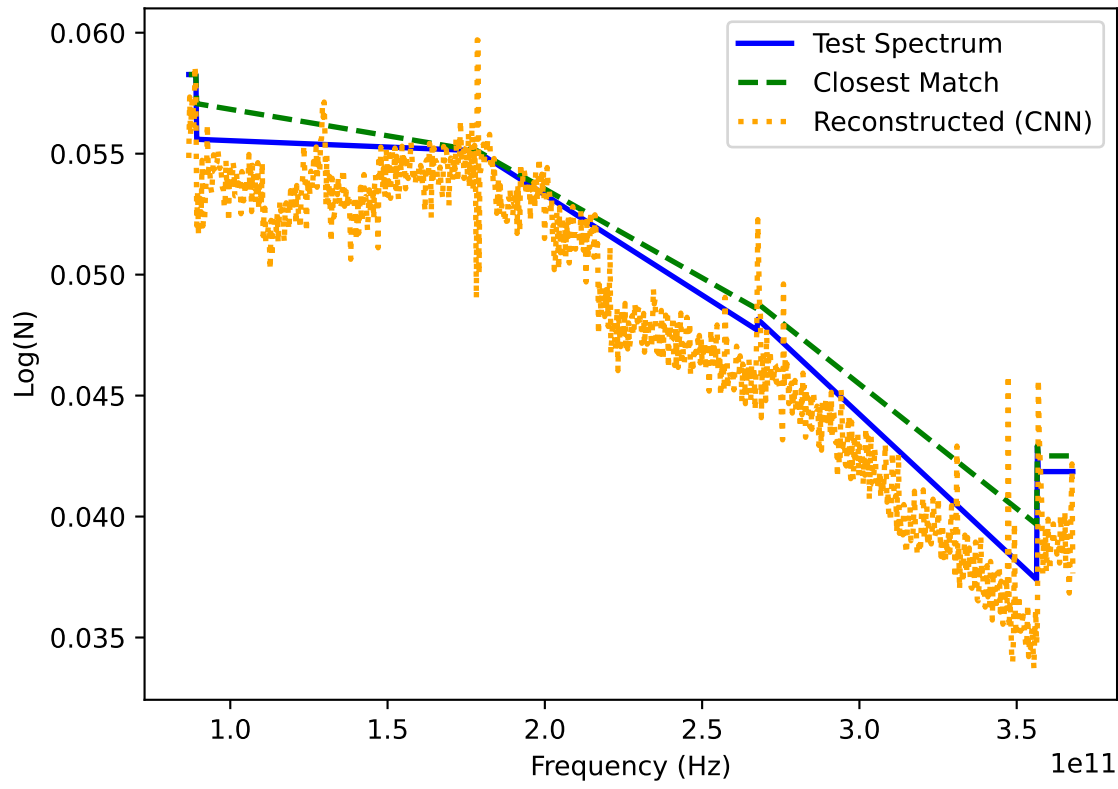
Test 6 vs Match 207



Test File: file\_JPL\_CO\_T179.2160394037001\_N18.9000000000000027\_cleaned\_simulate\_generate  
Header: //molecules='CO[1]' logn=18.9 tex=179.21603 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T28.561000000000003\_N18.200000000000017\_cleaned\_simulate\_generate  
Header: //molecules='CO[1]' logn=18.2 tex=28.561 velo=250.0 fwhm=50.0 sourcesize=10.0

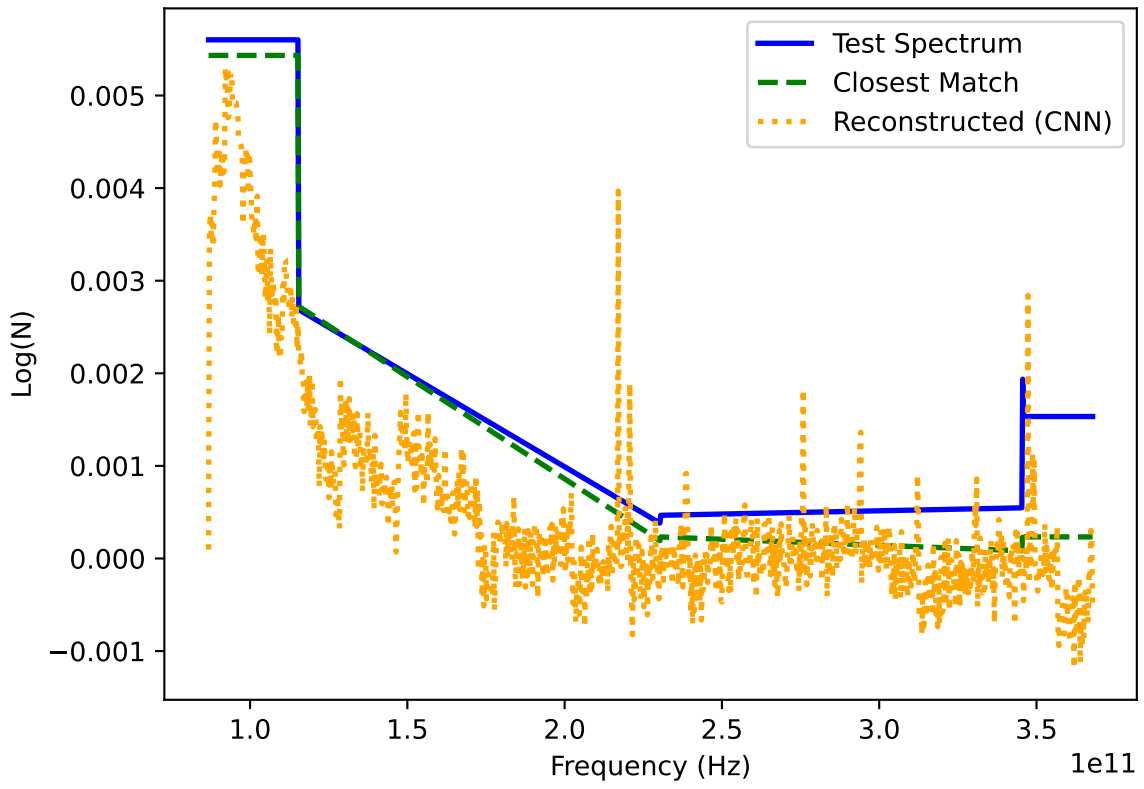
Test 7 vs Match 2379



Test File: file\_JPL\_HCO+v=0,1,2\_T16.900000000000002\_N18.600000000000023\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2[1]' logn=18.6 tex=16.9 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_HCO+v=0,1,2\_T16.900000000000002\_N18.700000000000024\_cleaned\_simulate\_generate  
Header: //molecules='HCO+V=0,1,2[1]' logn=18.7 tex=16.9 velo=250.0 fwhm=50.0 sourcesize=10.0

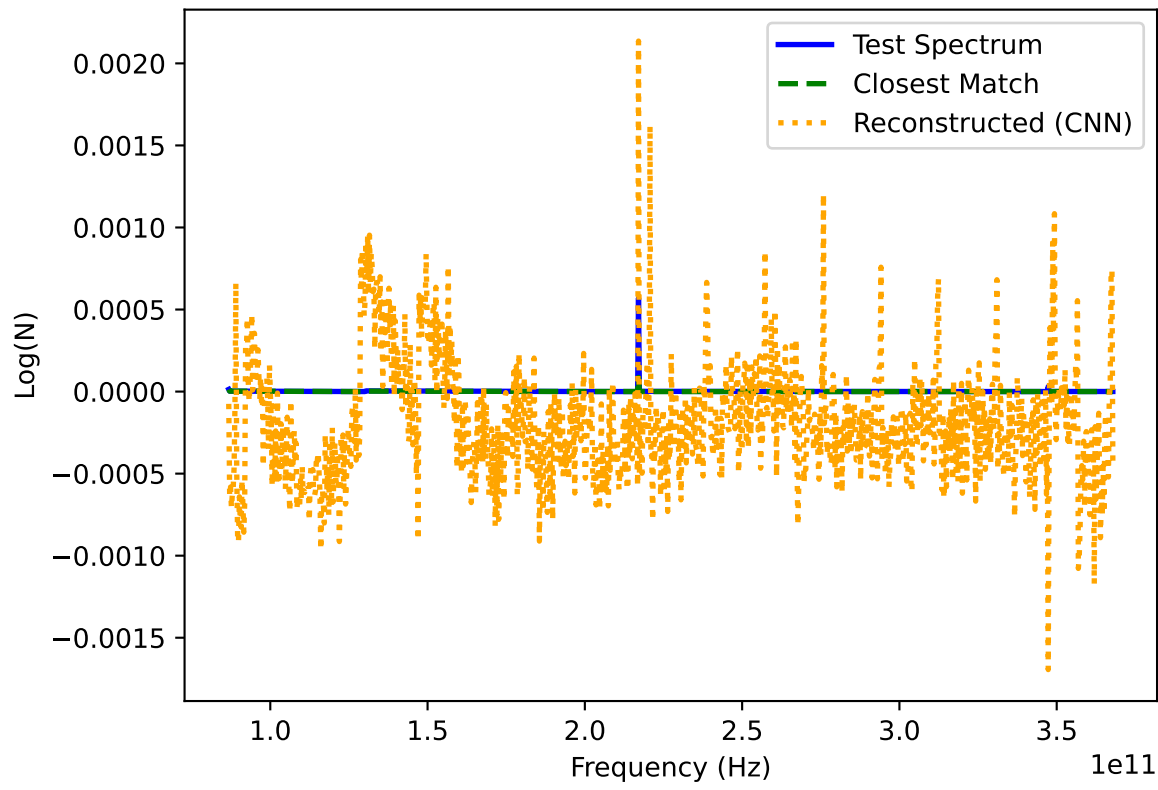
Test 8 vs Match 742



Test File: file\_JPL\_CO\_T37.129300000000001\_N19.100000000000003\_cleaned\_simulate\_generate  
Header: //molecules='CO[1]' logn=19.1 tex=37.1293 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CO\_T10\_N18.800000000000026\_cleaned\_simulate\_generate  
Header: //molecules='CO[1]' logn=18.8 tex=10.0 velo=250.0 fwhm=50.0 sourcesize=10.0

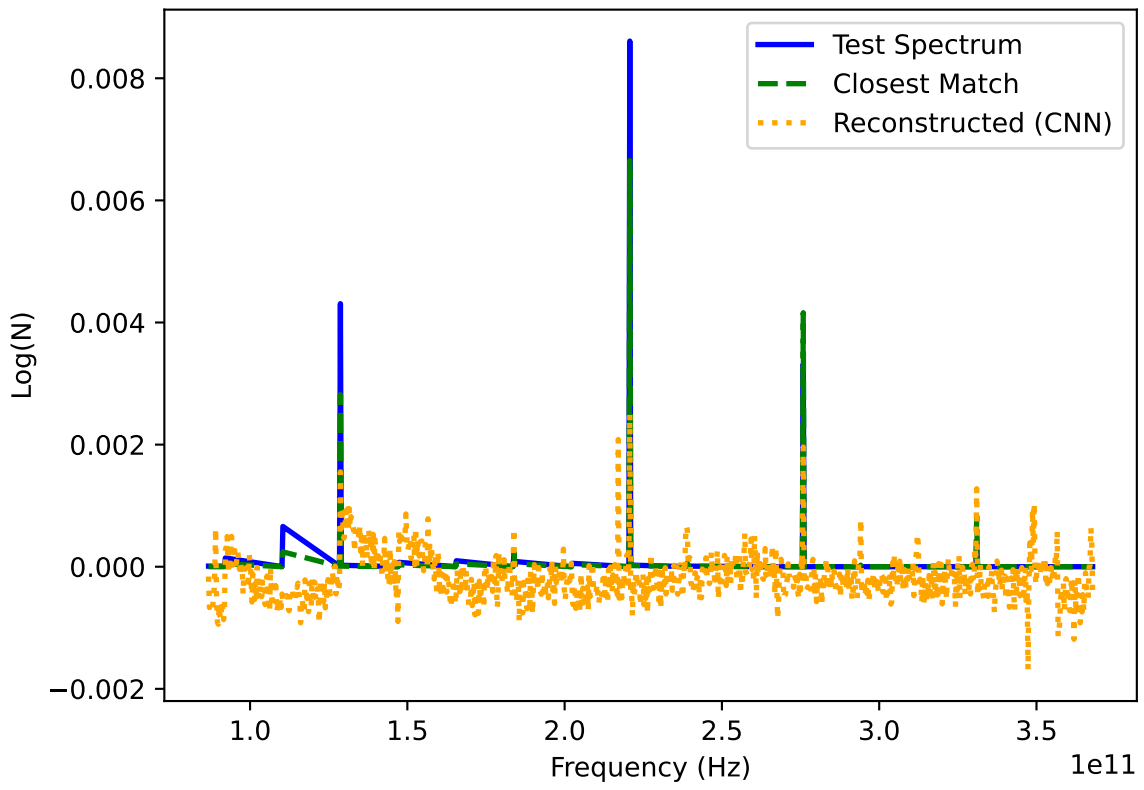
Test 9 vs Match 1200



Test File: file\_JPL\_SiO\_T48.268090000000015\_N12.99999999999996\_cleaned\_simulate\_generate  
Header: //molecules='SiO[1]' logn=13.0 tex=48.26809 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_SiO\_T10\_N12.599999999999998\_cleaned\_simulate\_generate  
Header: //molecules='SiO[1]' logn=12.6 tex=10.0 velo=250.0 fwhm=50.0 sourcesize=10.0

Test 10 vs Match 400



Test File: file\_JPL\_CH3CN\_T16.900000000000002\_N15.399999999999988\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN[1]' logn=15.4 tex=16.9 velo=250.0 fwhm=50.0 sourcesize=10.0

Match: file\_JPL\_CH3CN\_T21.970000000000002\_N14.999999999999999\_cleaned\_simulate\_generate  
Header: //molecules='CH3CN[1]' logn=15.0 tex=21.97 velo=250.0 fwhm=50.0 sourcesize=10.0