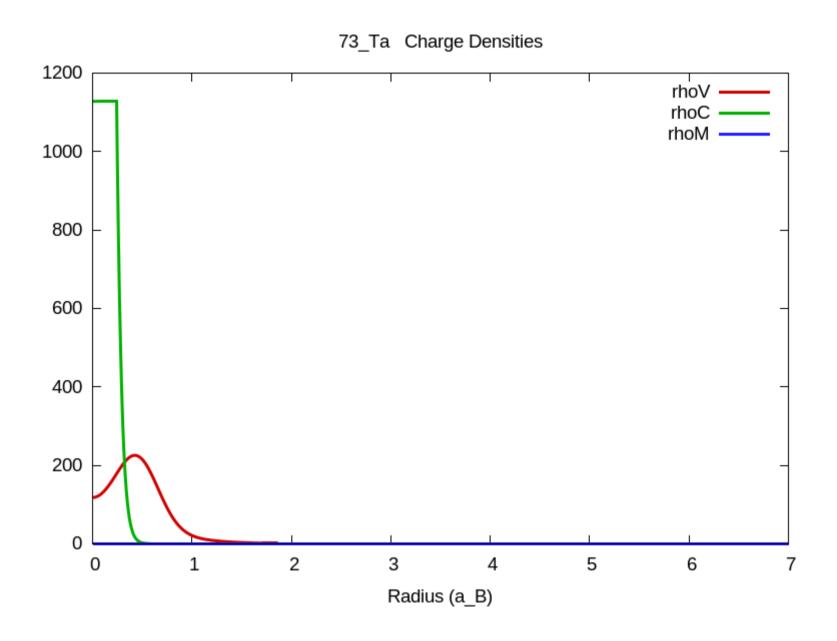
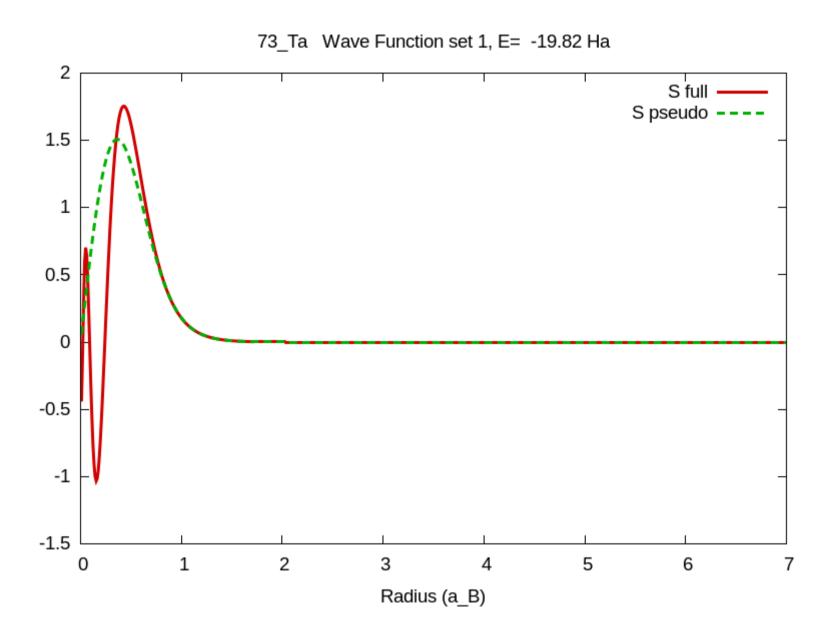
73_Ta Semi-Local Ion Pseudopotentials -10 -20 -30 Loc --40 -50 -60 -70 -80 -90 -100 -110 0.5 1 1.5 2 2.5 3 3.5 0 Radius (a_B)

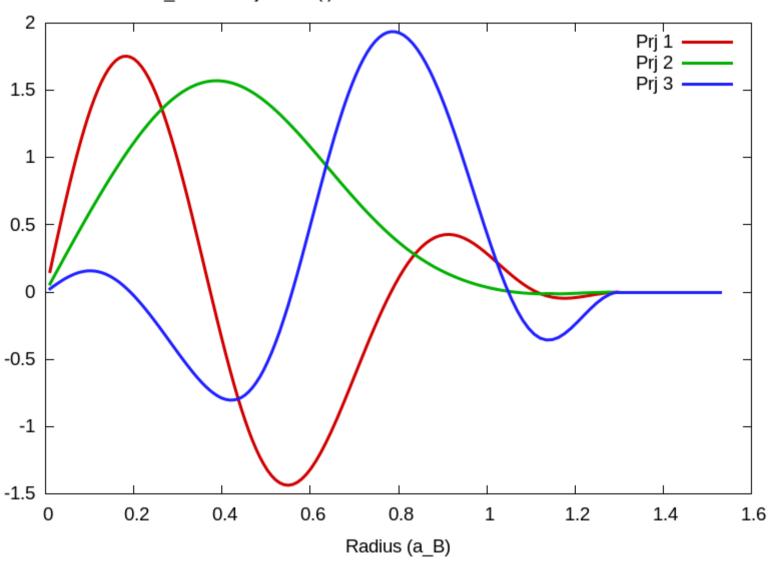


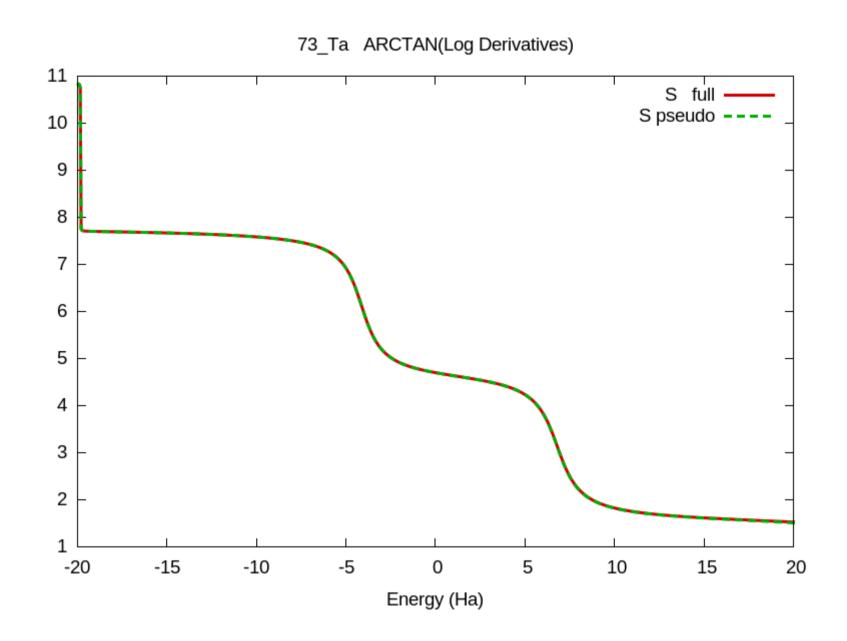


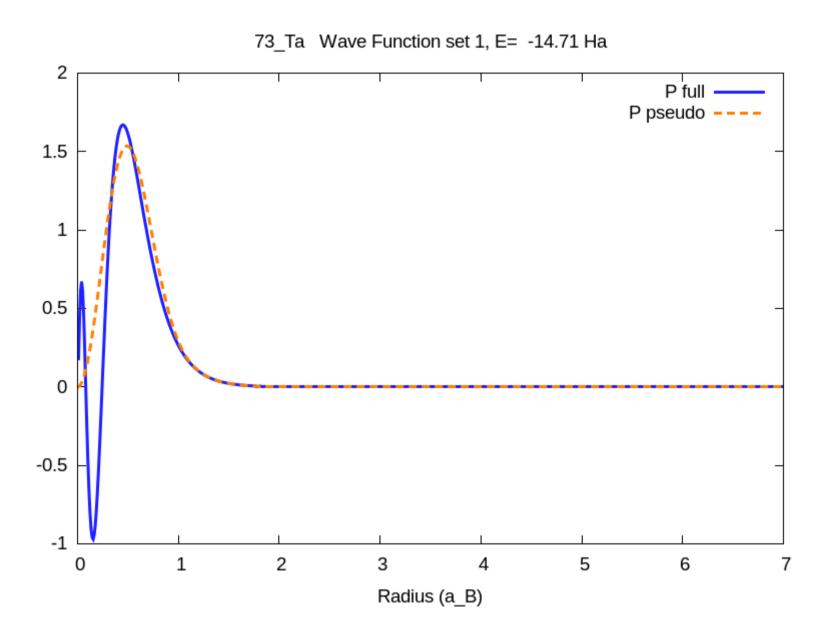
73_Ta Wave Function set 2, E= -2.69 Ha 1.2 S full -S pseudo -1 8.0 0.6 0.4 0.2 0 -0.2 -0.4 -0.6 -0.8 2 1 3 5 6 4 0 Radius (a_B)

73_Ta Wave Function set 3, E= -0.21 Ha 0.7 S full -S pseudo -0.6 0.5 0.4 0.3 0.2 0.1 0 -0.1 -0.2 -0.3 2 3 5 1 4 6 0 Radius (a_B)

73_Ta S Projs. evkb(:) = 8.80E+00 -5.01E+00 8.75E-01 Ha



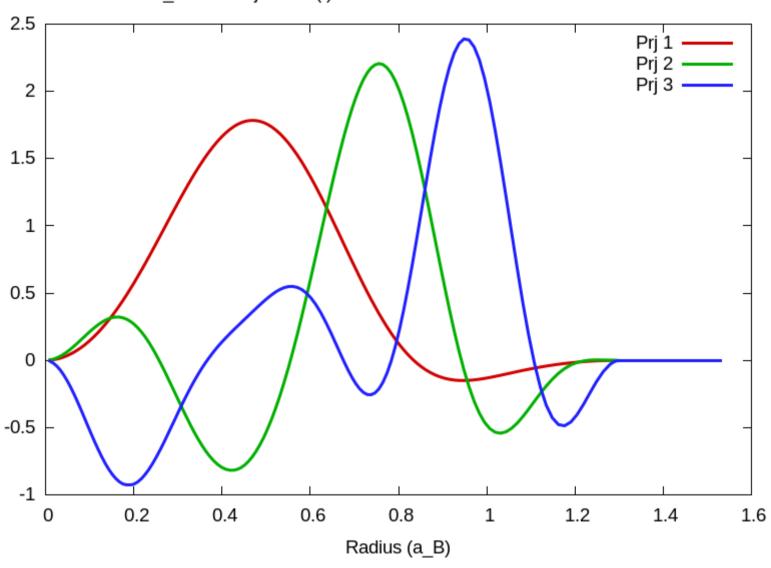


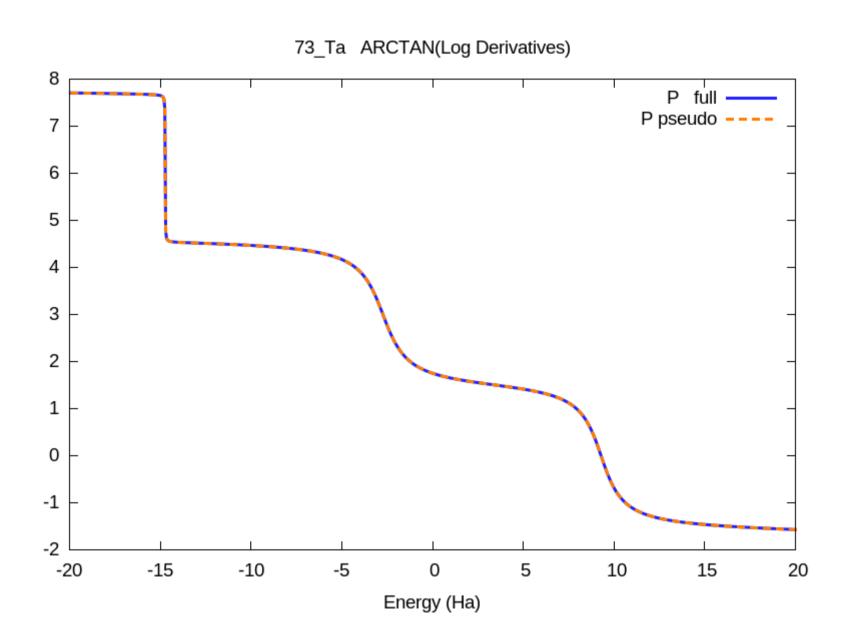


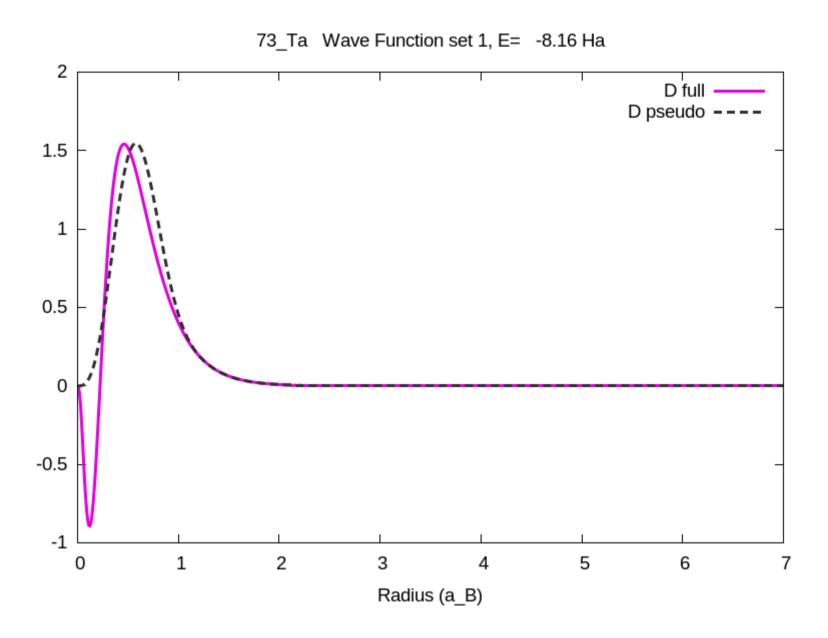
73_Ta Wave Function set 2, E= -1.45 Ha 1.2 P full P pseudo 1 8.0 0.6 0.4 0.2 0 -0.2 -0.4 -0.6 2 0 1 3 5 6 4 Radius (a_B)

73_Ta Wave Function set 3, E= 1.55 Ha 0.6 P full • P pseudo • 0.4 0.2 0 -0.2 -0.4 -0.6 1 2 3 5 4 6 0 Radius (a_B)

73_Ta P Projs. evkb(:) = -8.38E+00 -2.60E+00 -7.52E-01 Ha





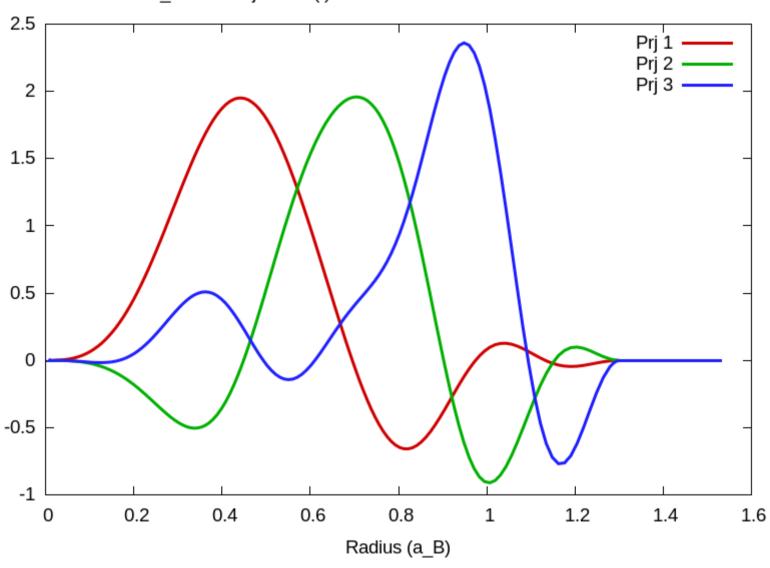


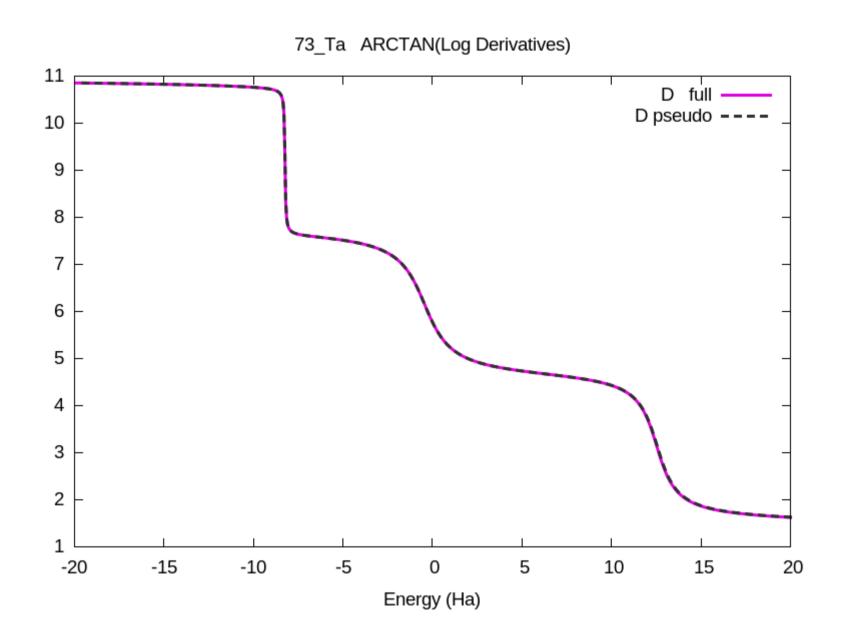
73_Ta Wave Function set 2, E= -0.14 Ha 8.0 0.6 0.4 0.2 0 -0.2 -0.4 2 3 1 5 6 4 0 Radius (a_B)

73_Ta Wave Function set 3, E= 2.86 Ha 0.6 0.4 0.2 0 -0.2 -0.4 -0.6 1 2 3 5 6 4 0

Radius (a_B)

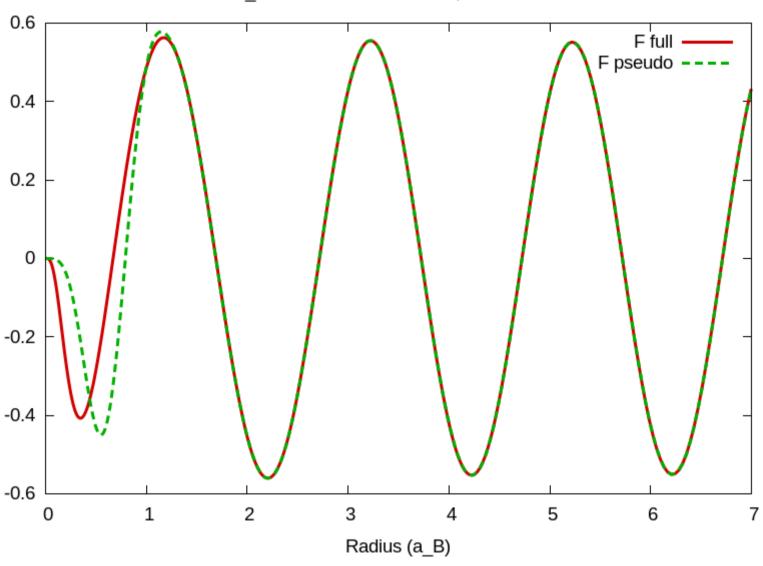
73_Ta D Projs. evkb(:) = -1.26E+01 -8.39E+00 -2.06E+00 Ha



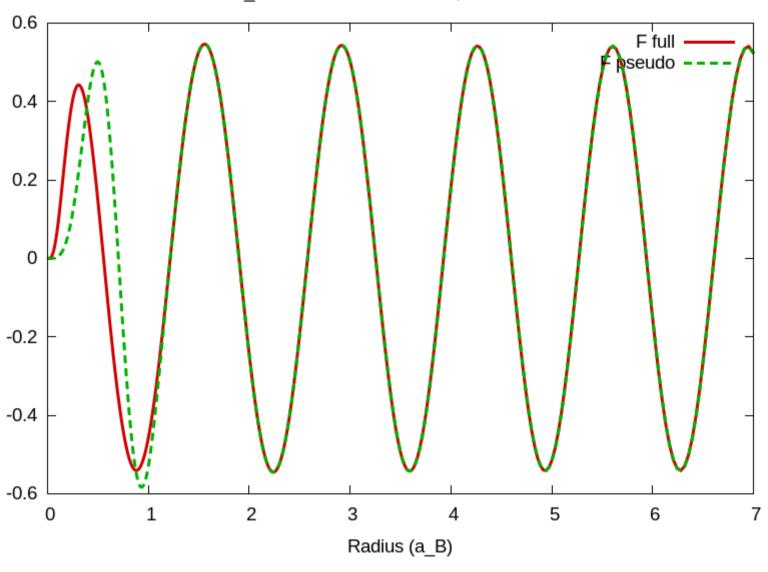


73_Ta Wave Function set 1, E= -0.92 Ha 1.6 F full -F pseudo -1.4 1.2 1 8.0 0.6 0.4 0.2 0 2 0 1 3 4 5 6 Radius (a_B)

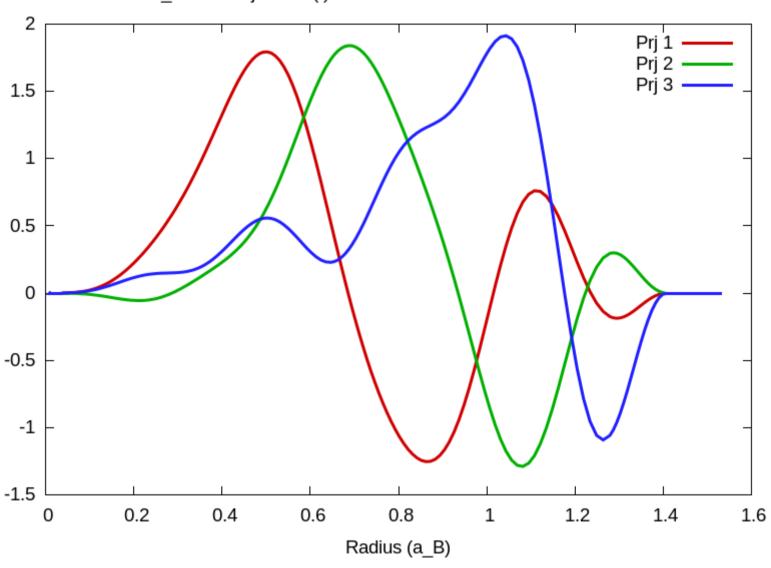
73_Ta Wave Function set 2, E= 5.08 Ha

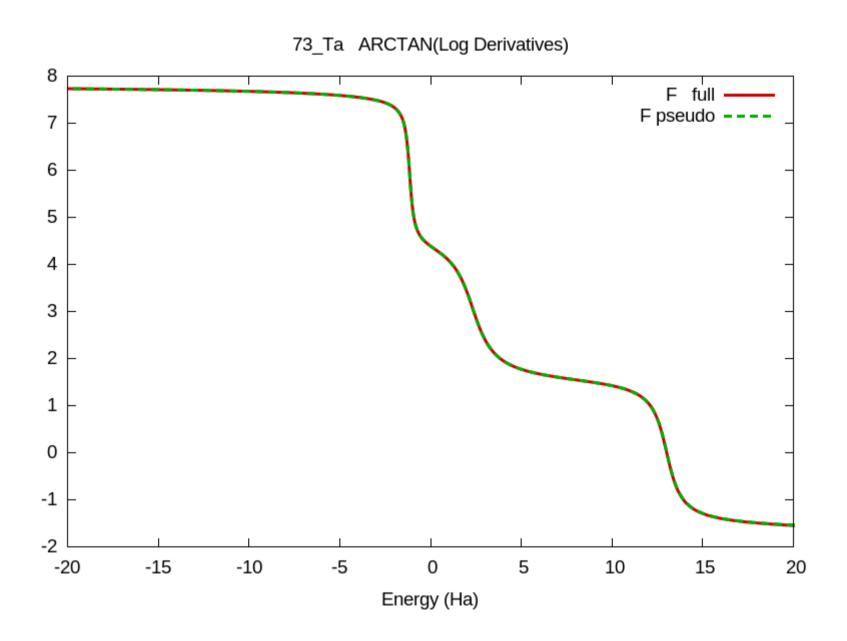


73_Ta Wave Function set 3, E= 11.08 Ha



73_Ta F Projs. evkb(:) = -1.87E+01 -1.14E+01 -3.41E+00 Ha





73_Ta Energy Error per Electron (Ha)

