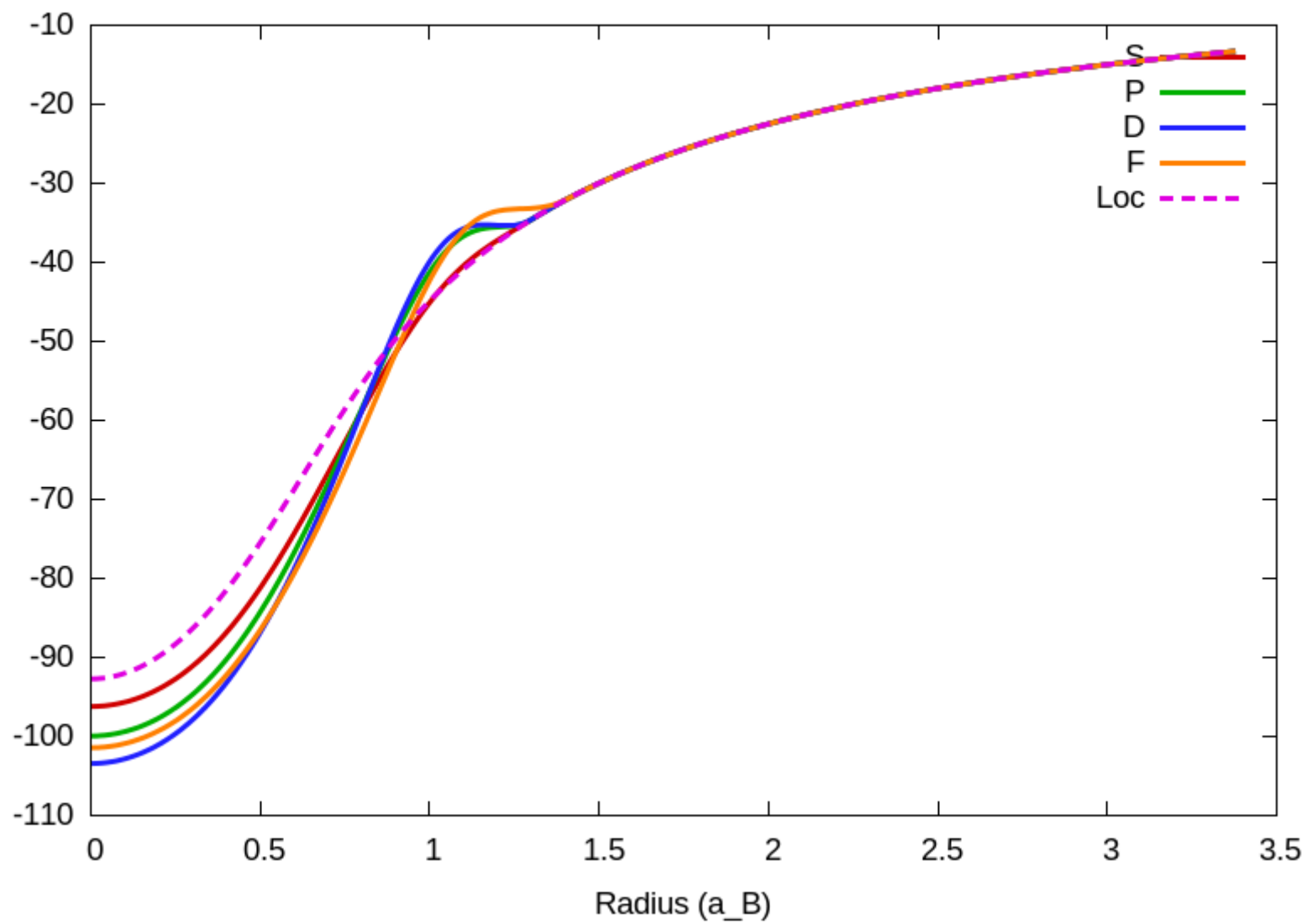
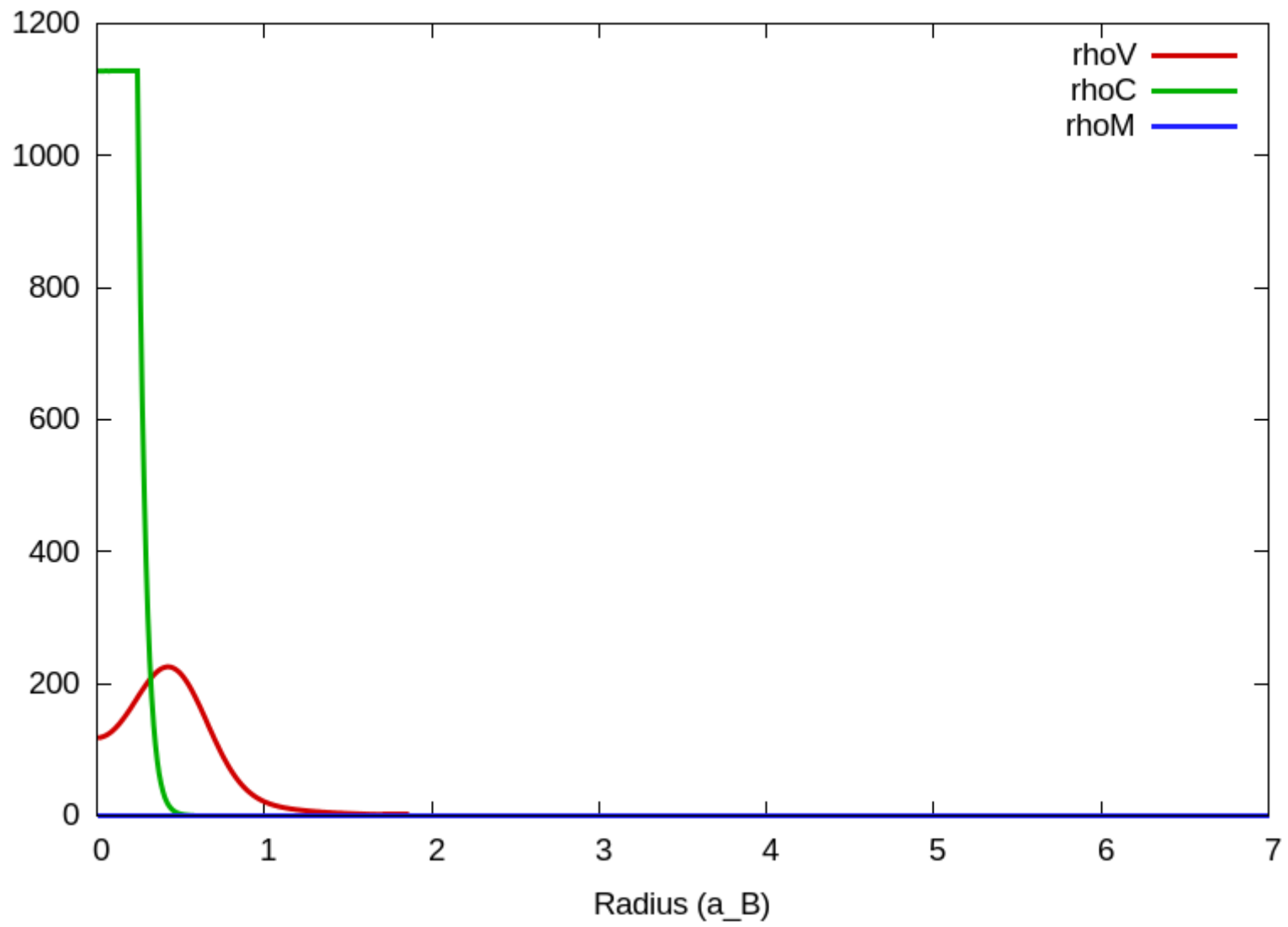


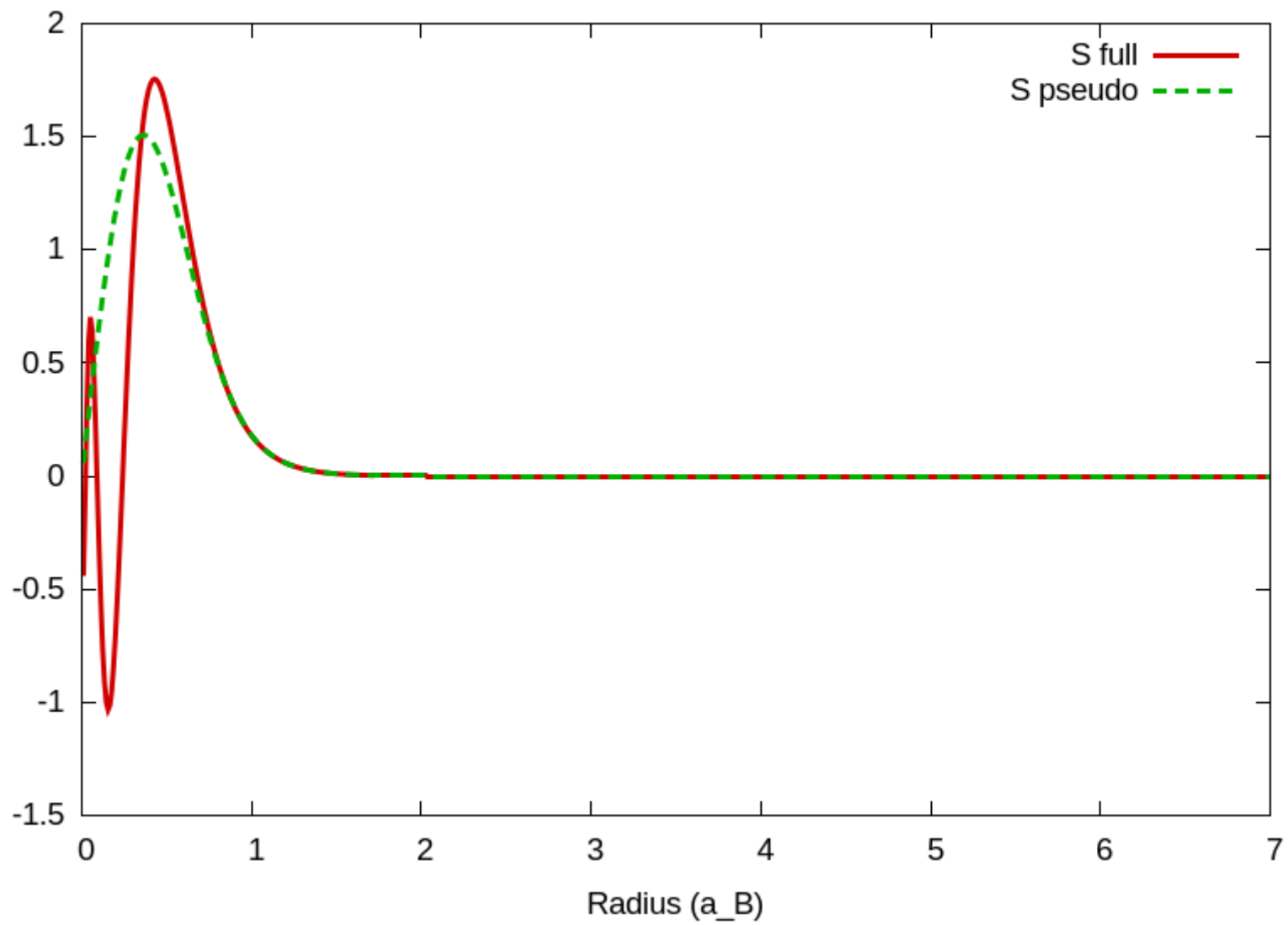
73_Ta Semi-Local Ion Pseudopotentials



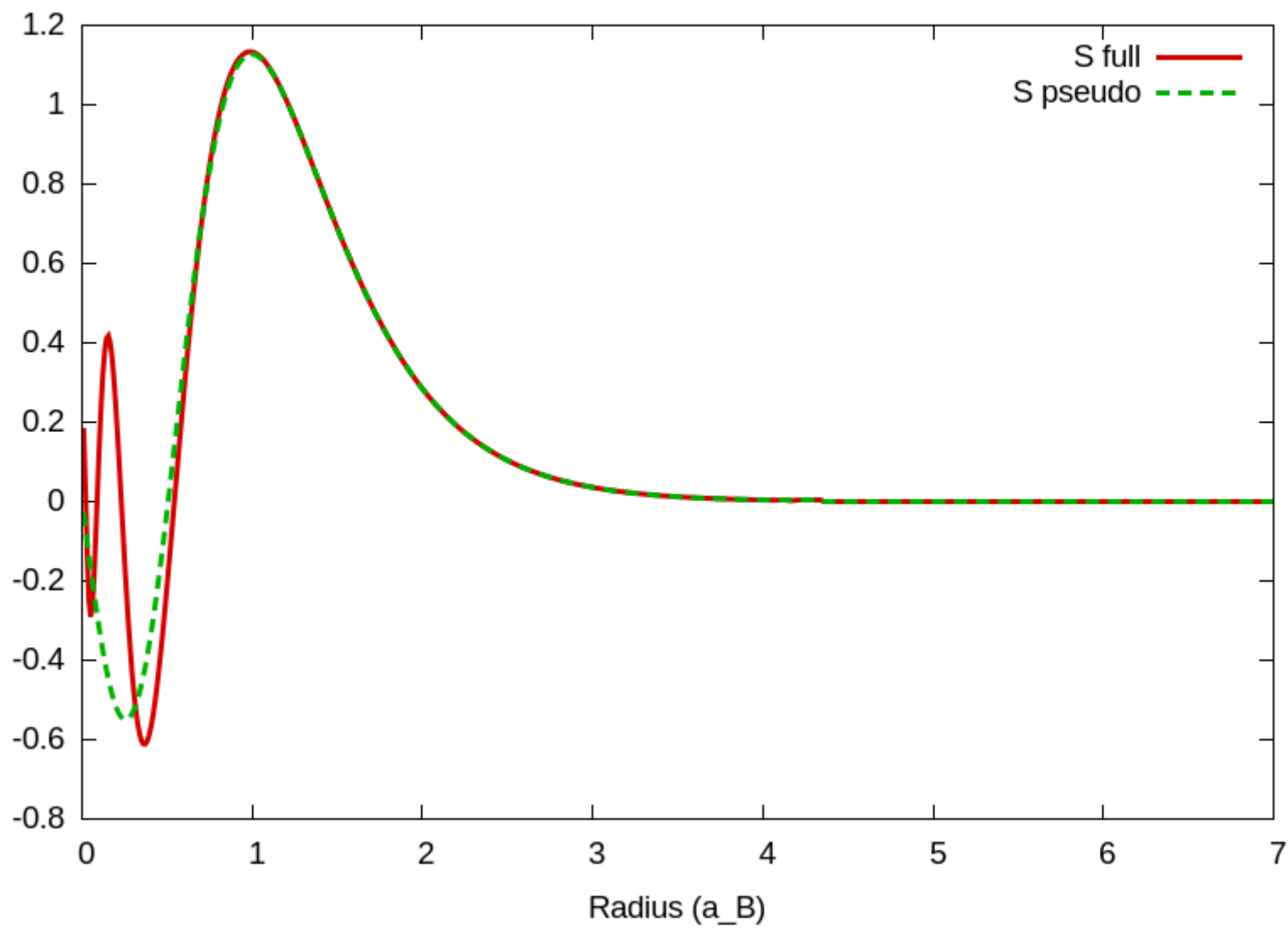
73_Ta Charge Densities



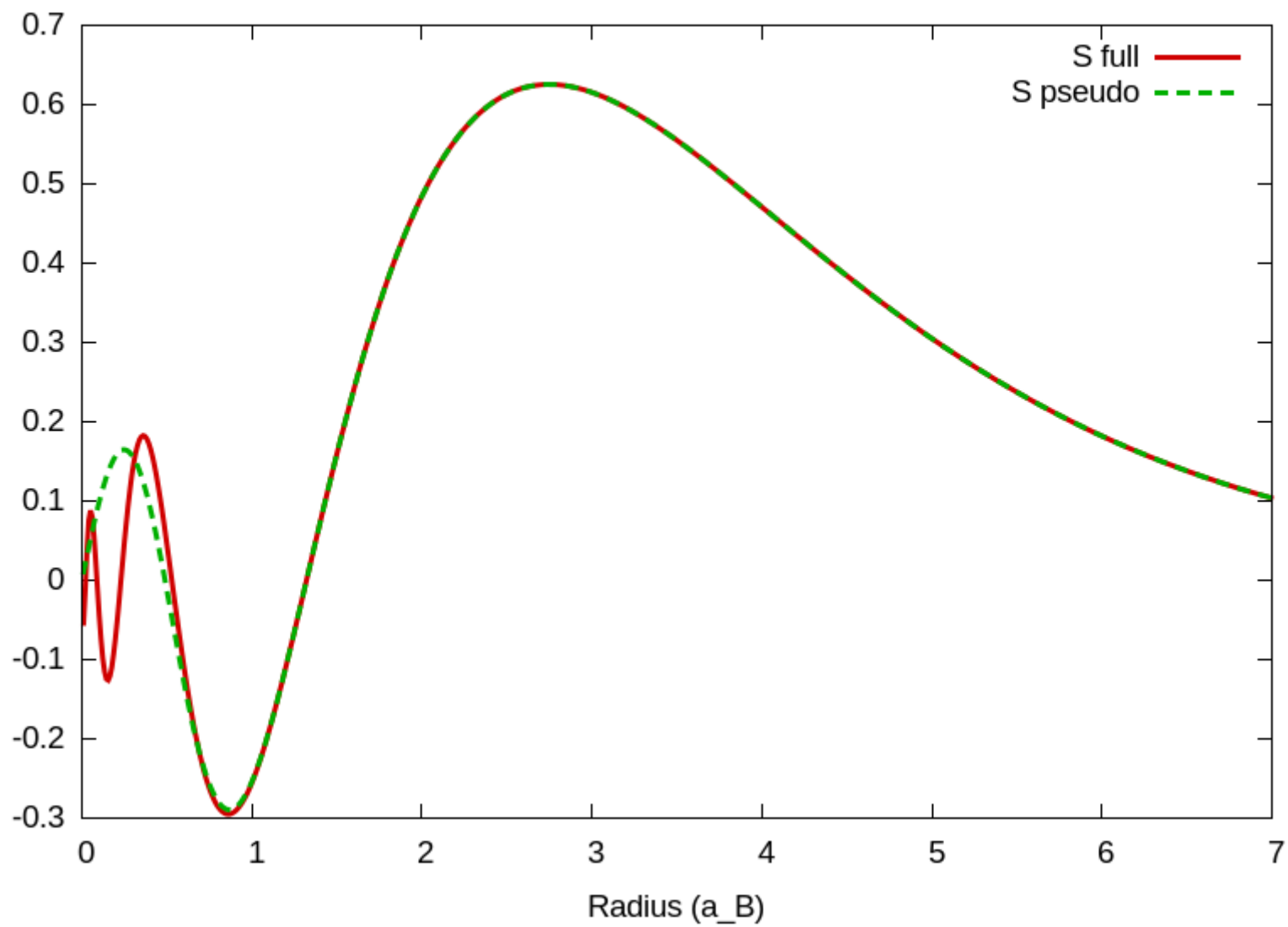
73_Ta Wave Function set 1, E= -19.82 Ha



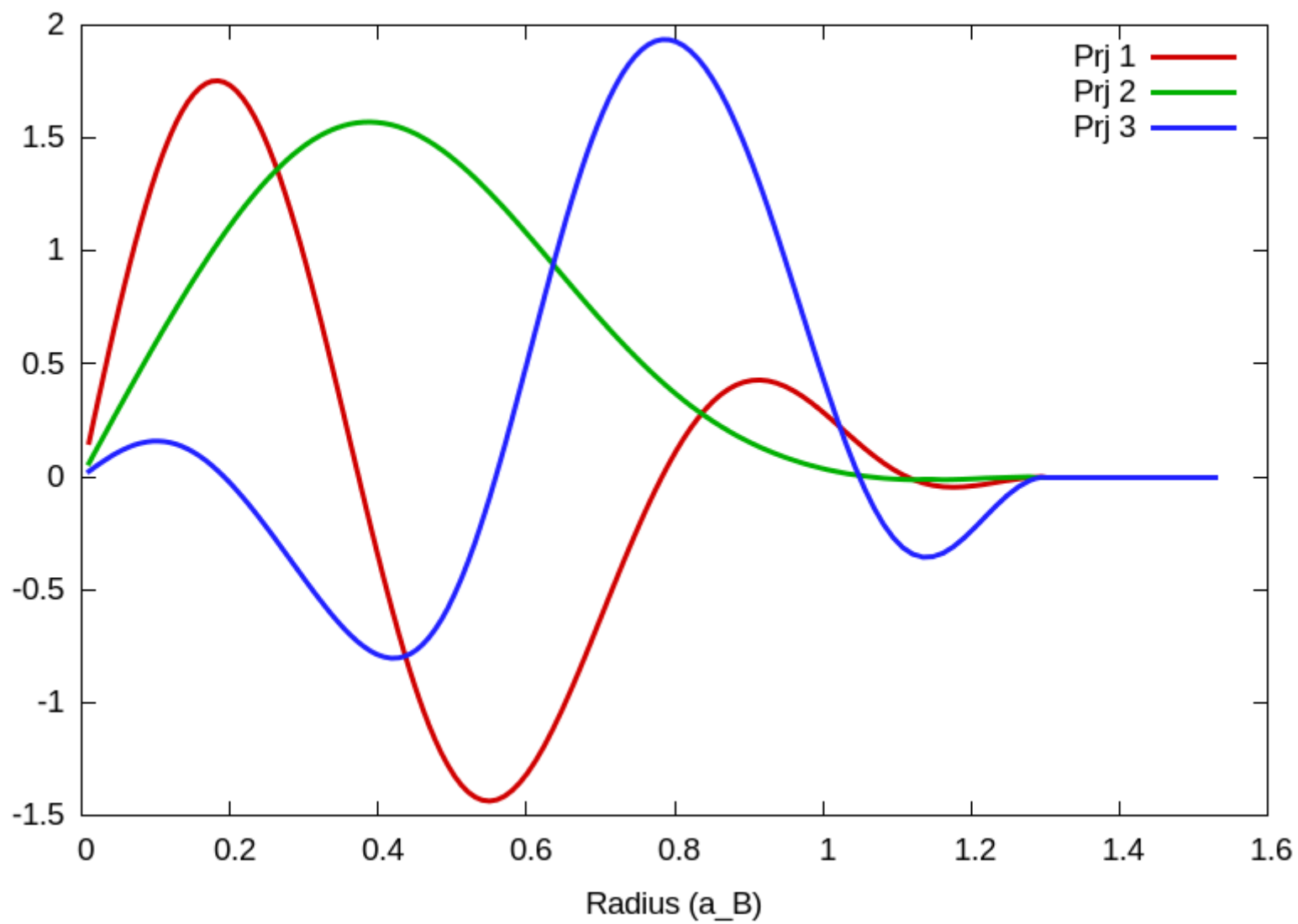
73-Ta Wave Function set 2, $E = -2.69$ Ha



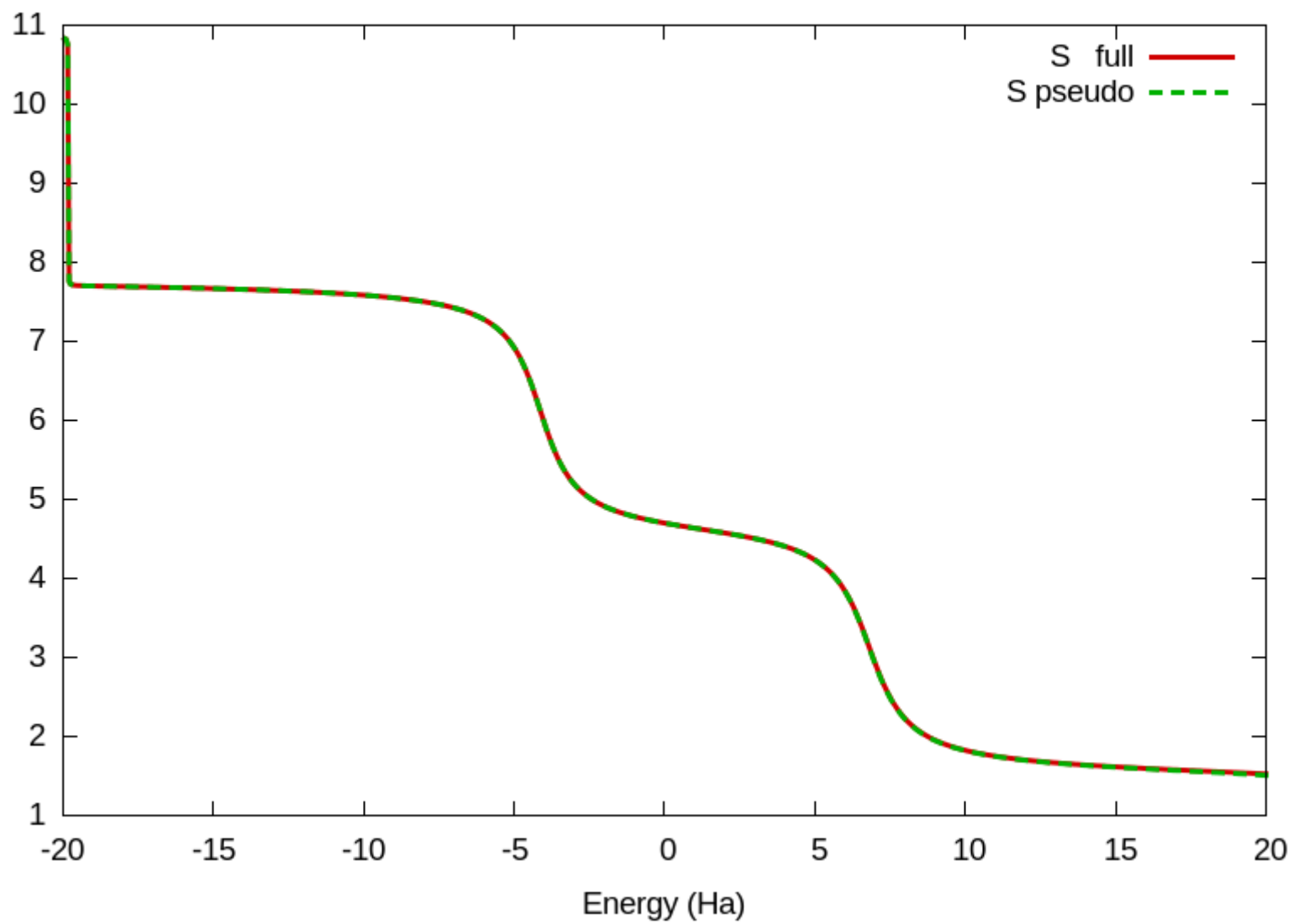
73-Ta Wave Function set 3, $E = -0.21$ Ha



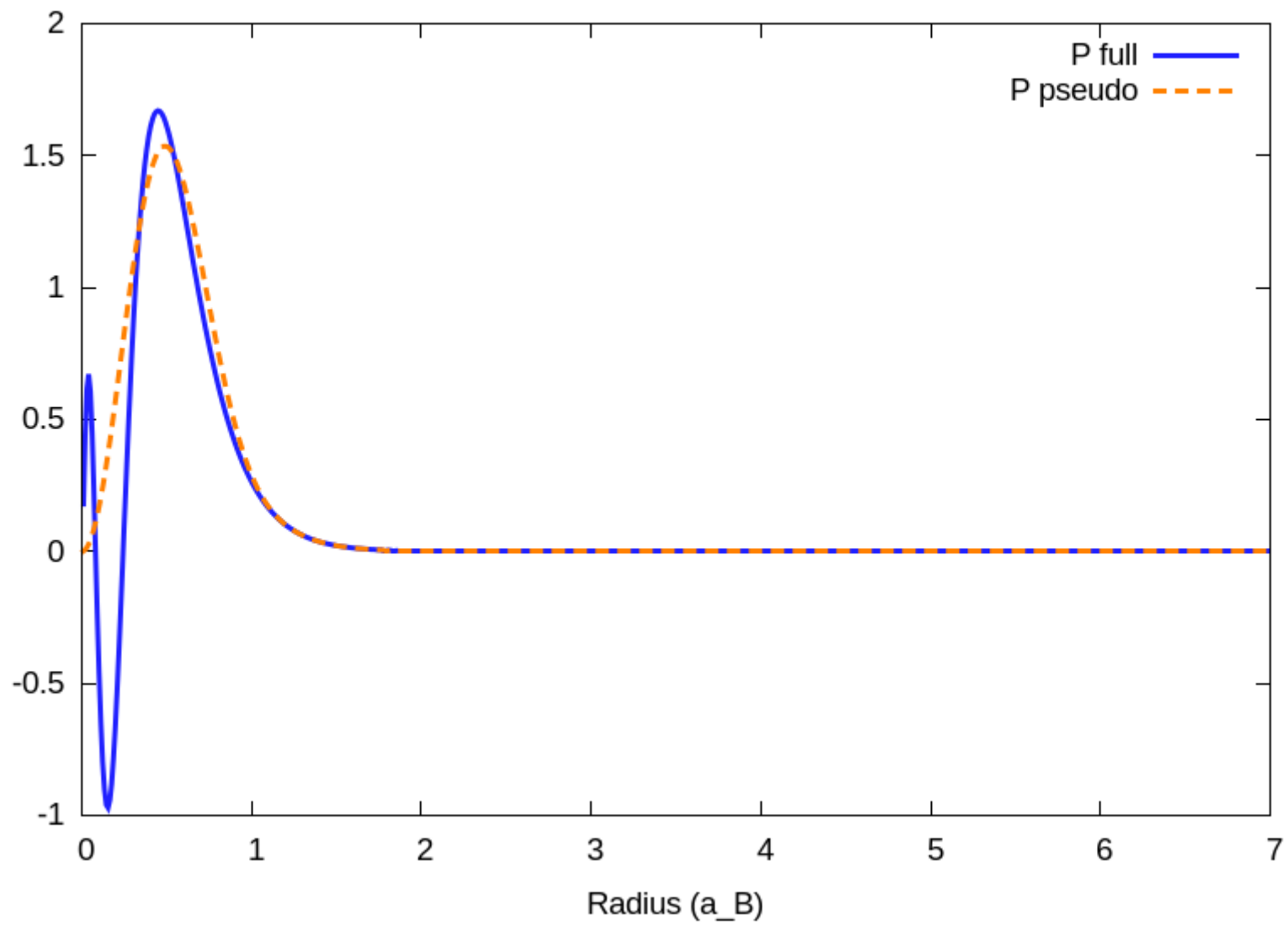
73_Ta S Projs. evkb(:) = 8.80E+00 -5.01E+00 8.75E-01 Ha



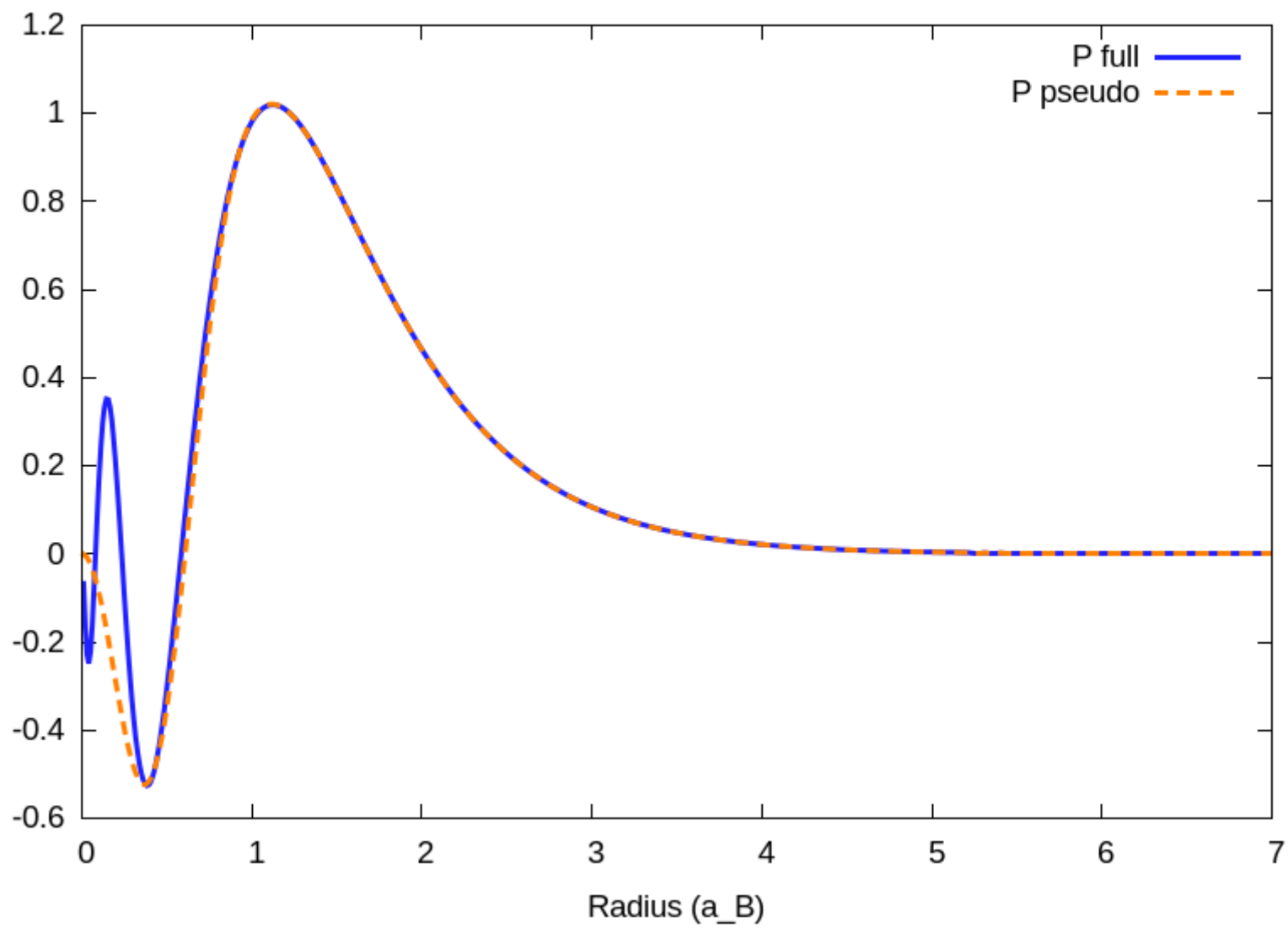
73-Ta ARCTAN(Log Derivatives)



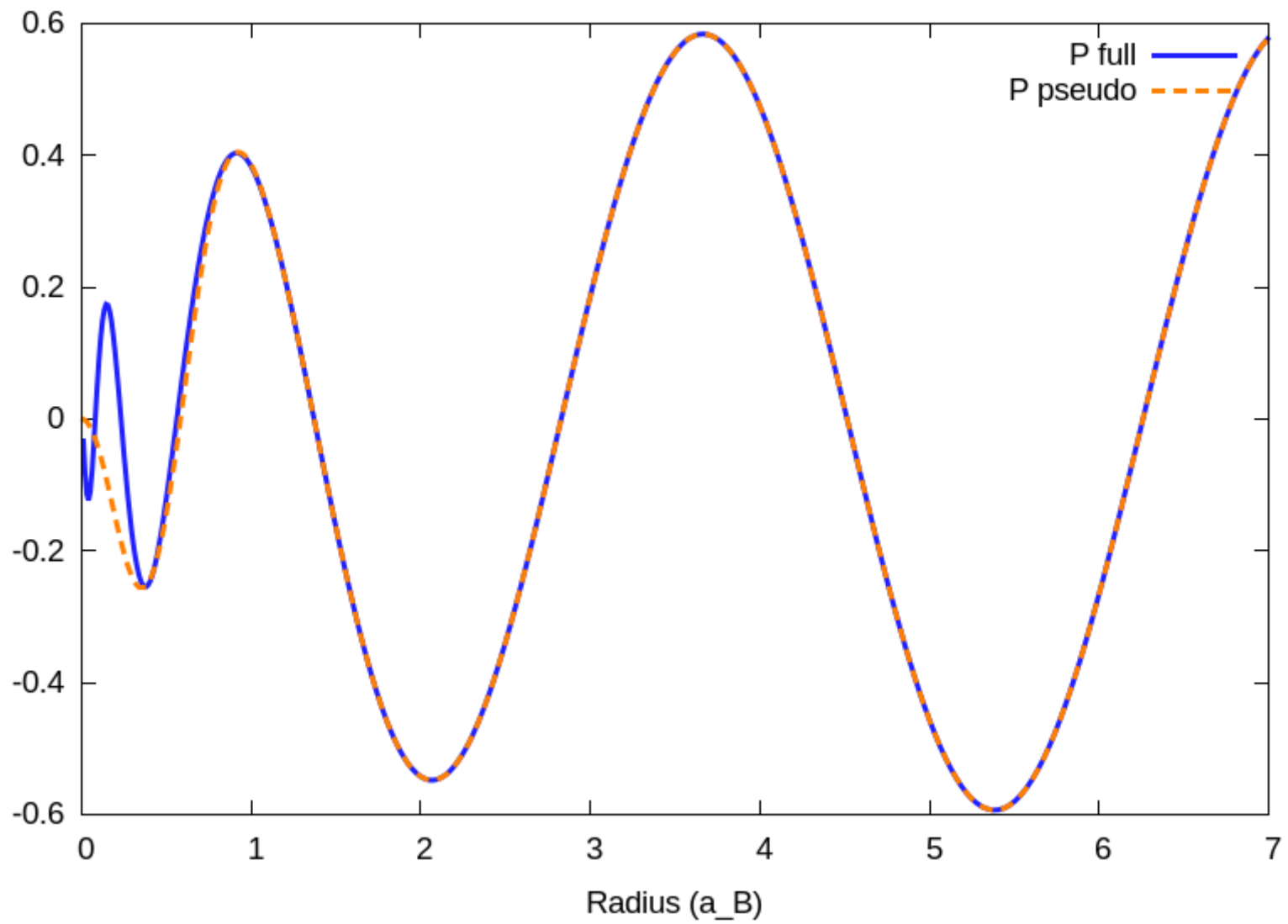
73-Ta Wave Function set 1, E= -14.71 Ha



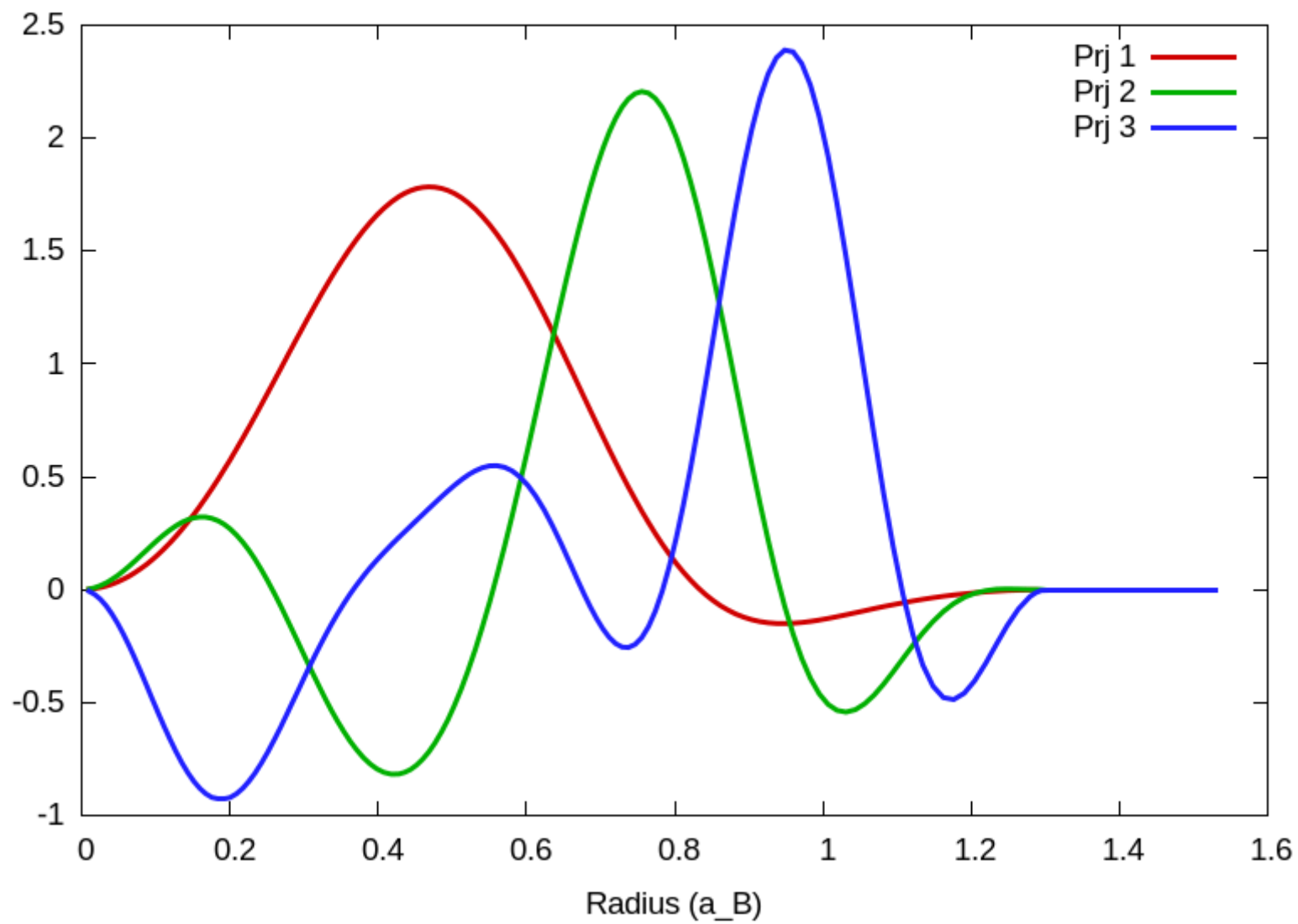
73-Ta Wave Function set 2, $E = -1.45$ Ha



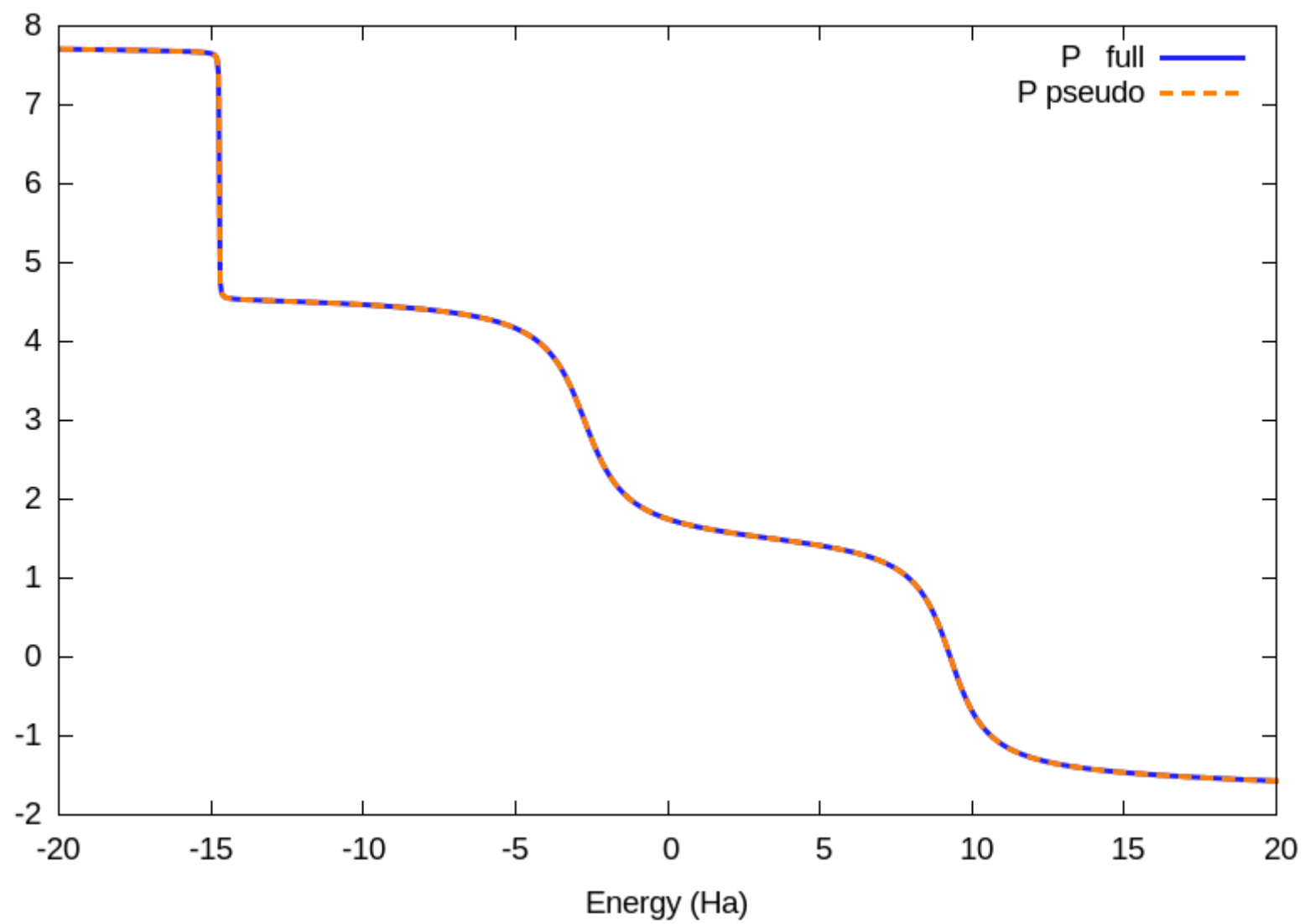
73-Ta Wave Function set 3, $E = 1.55$ Ha



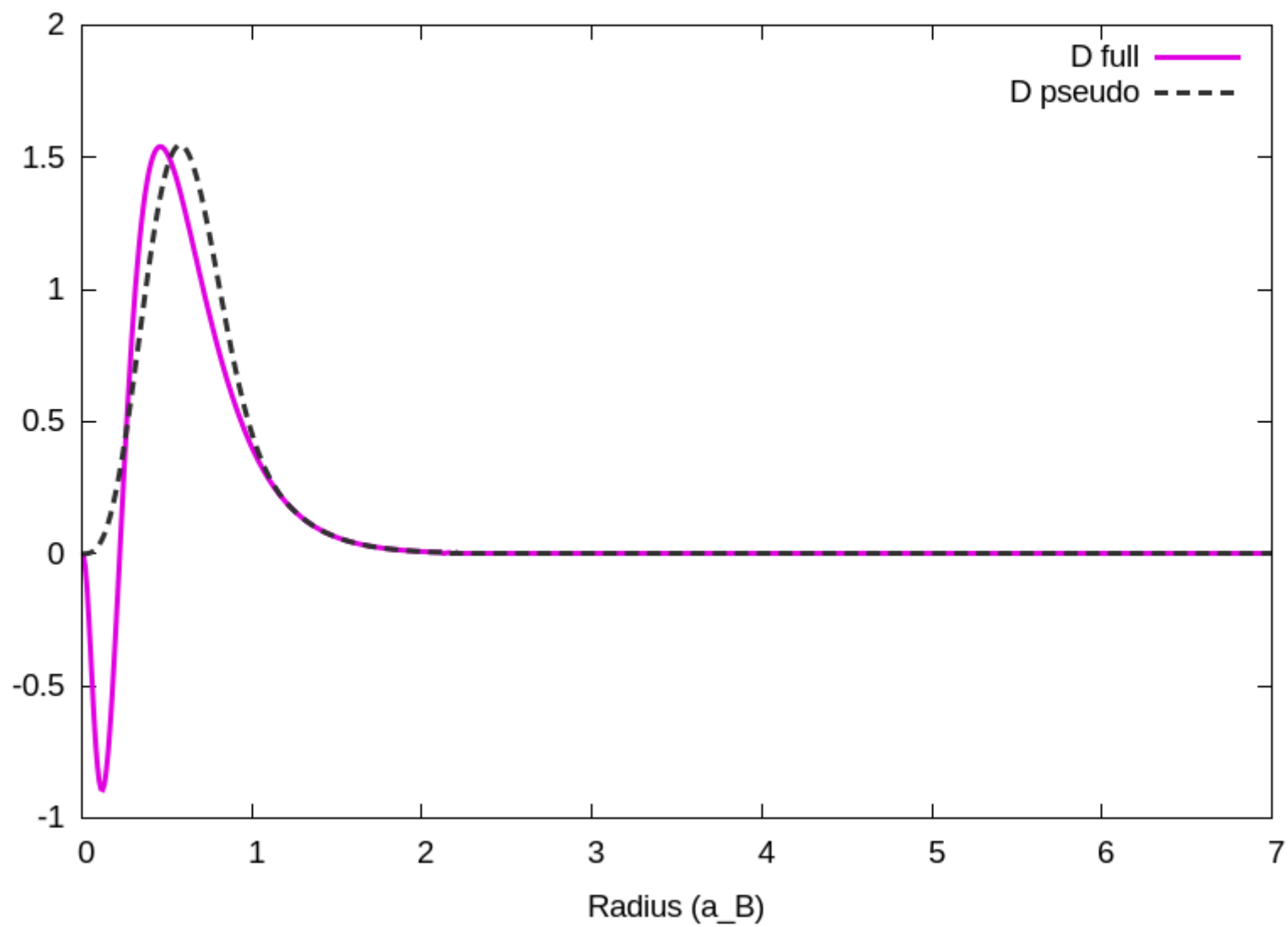
73_Ta P Projs. evkb(:) = -8.38E+00 -2.60E+00 -7.52E-01 Ha



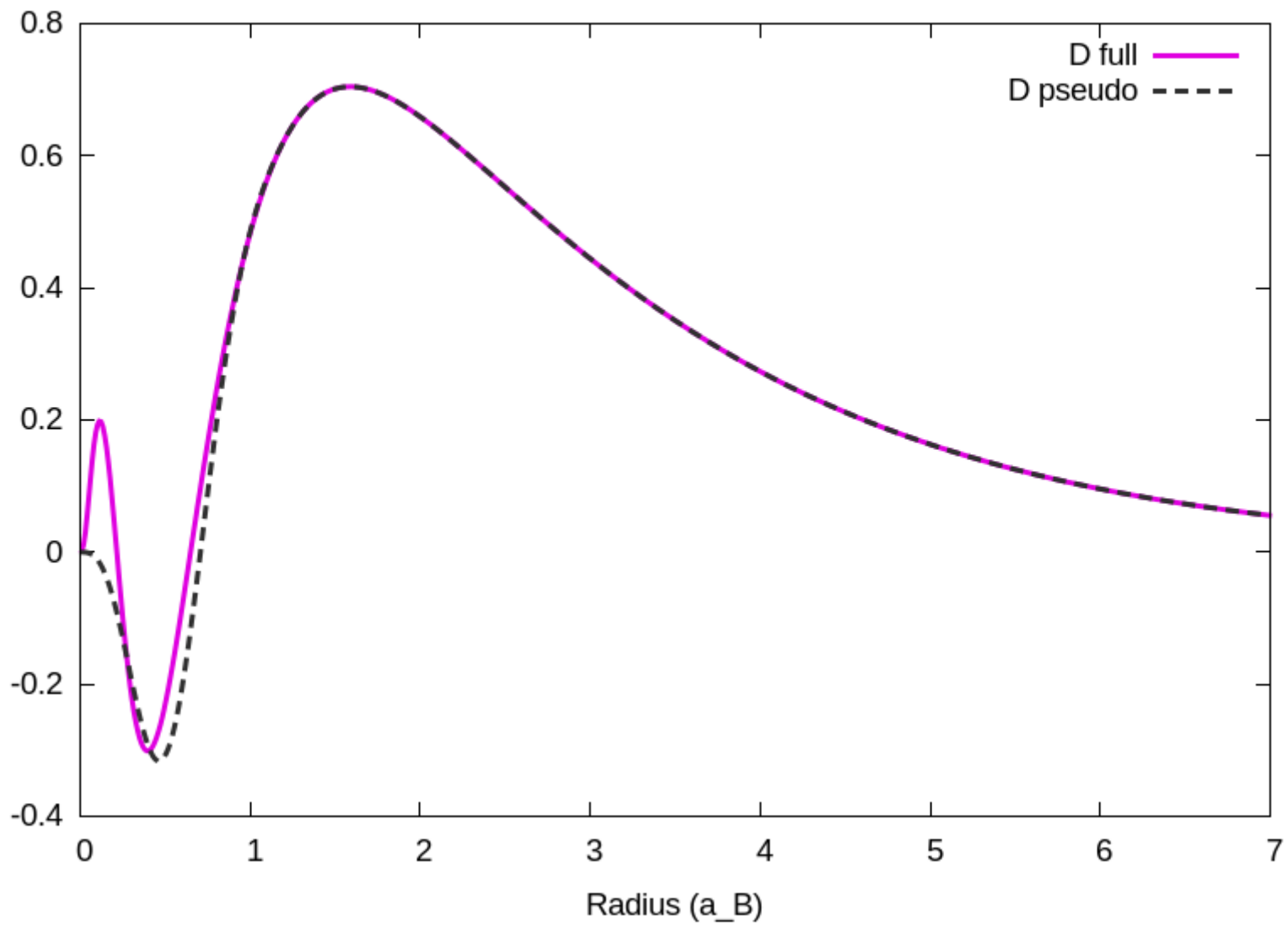
73-Ta ARCTAN(Log Derivatives)



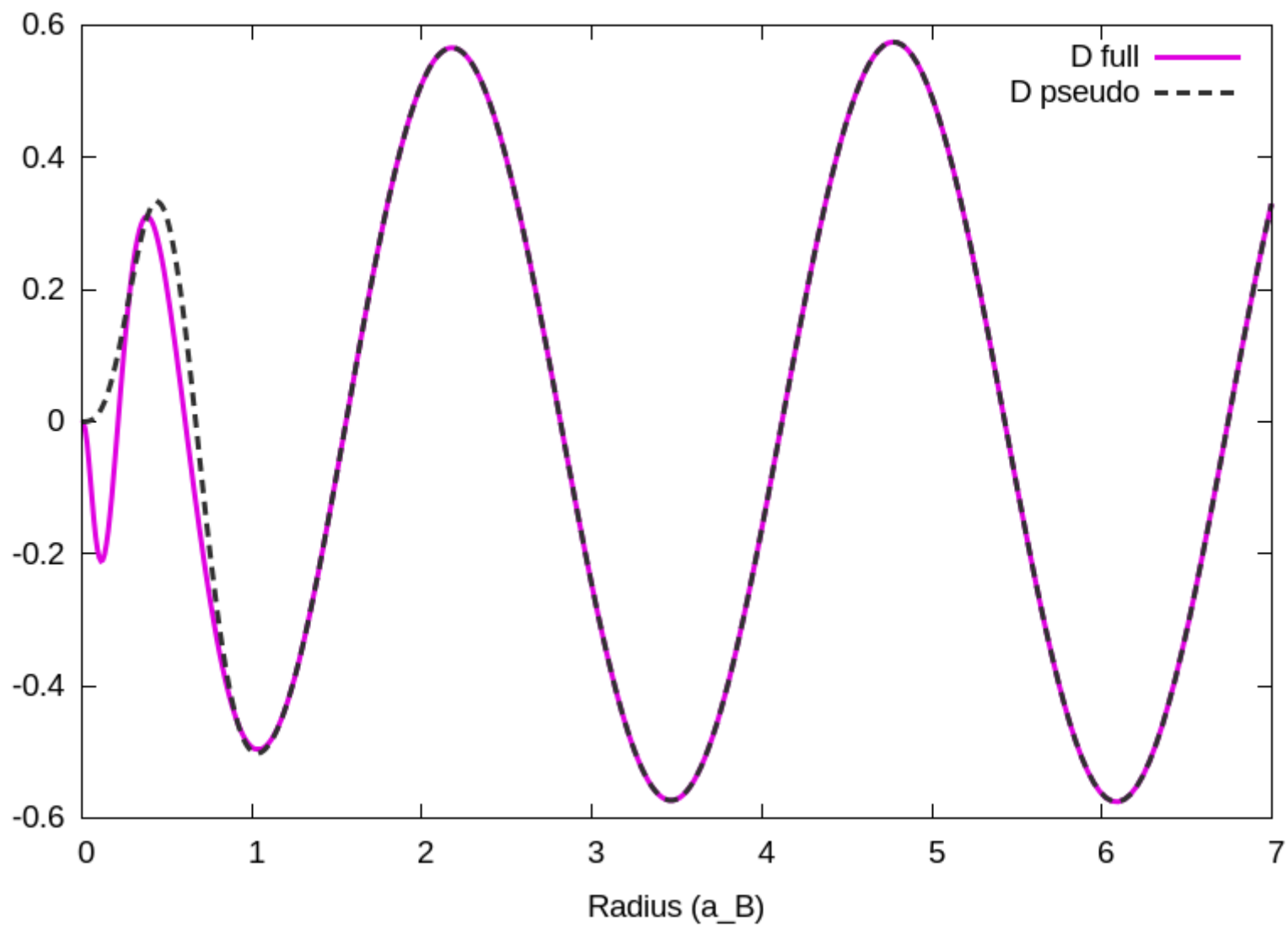
73-Ta Wave Function set 1, $E = -8.16$ Ha



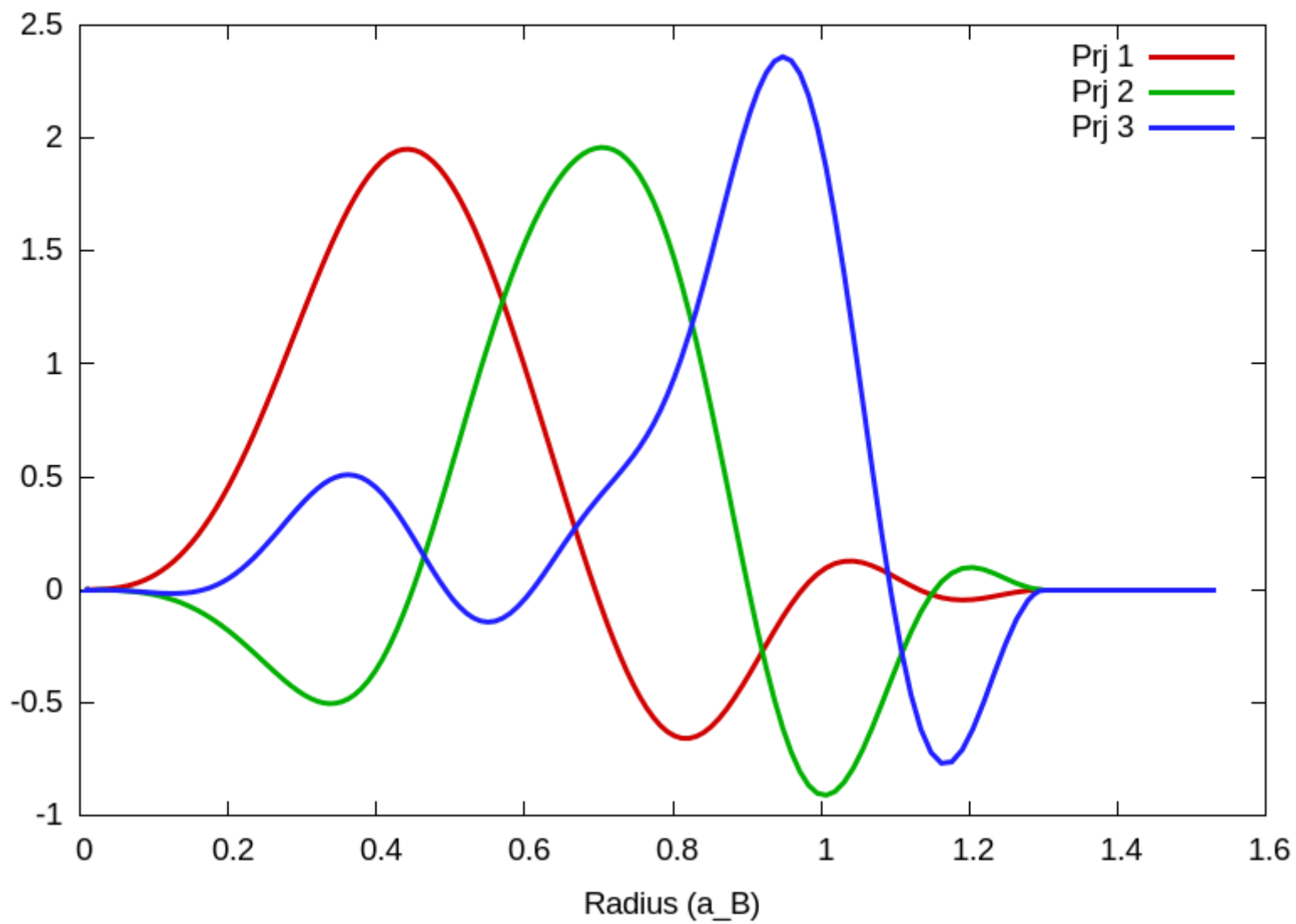
73-Ta Wave Function set 2, $E = -0.14$ Ha



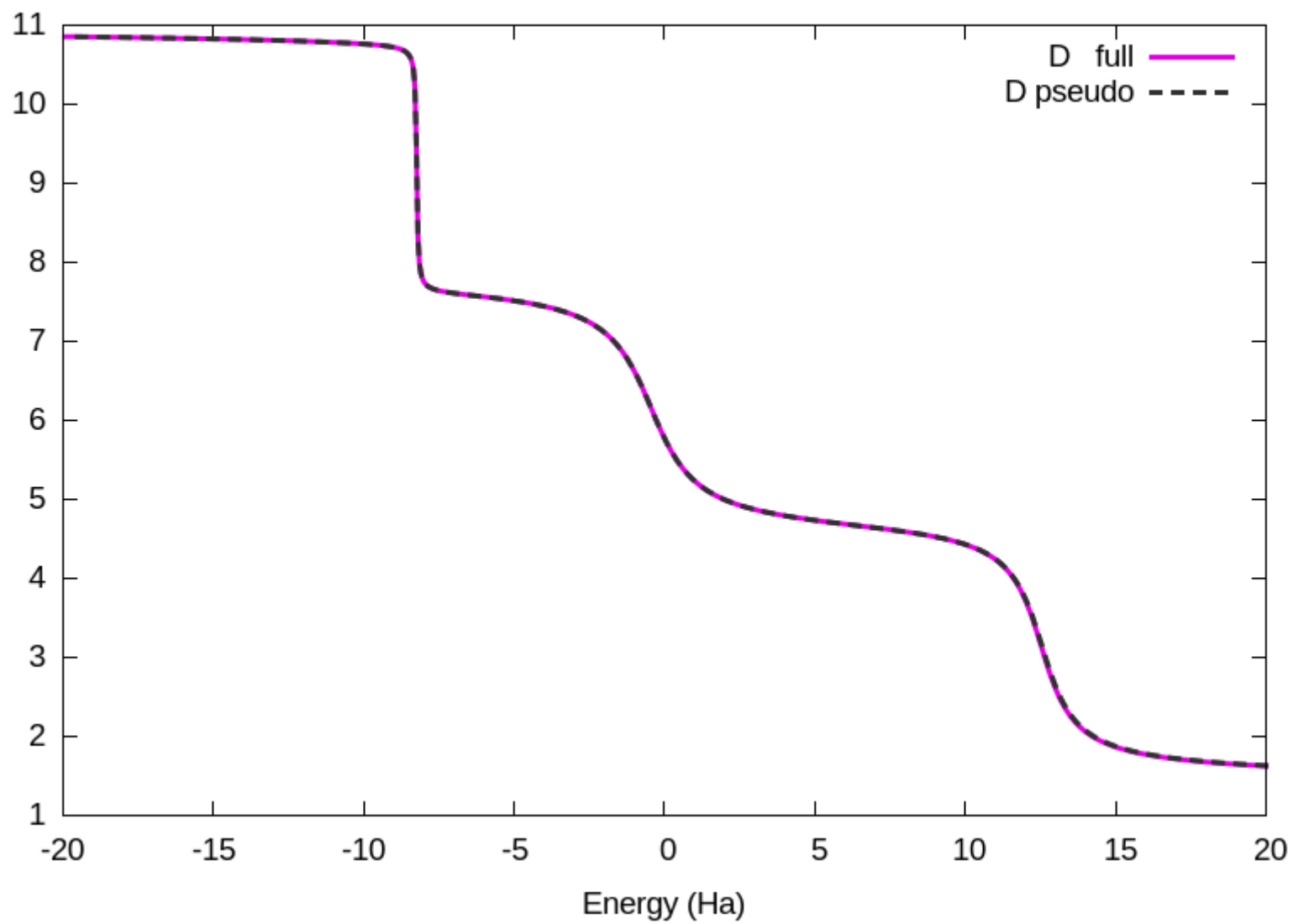
73-Ta Wave Function set 3, $E = 2.86$ Ha



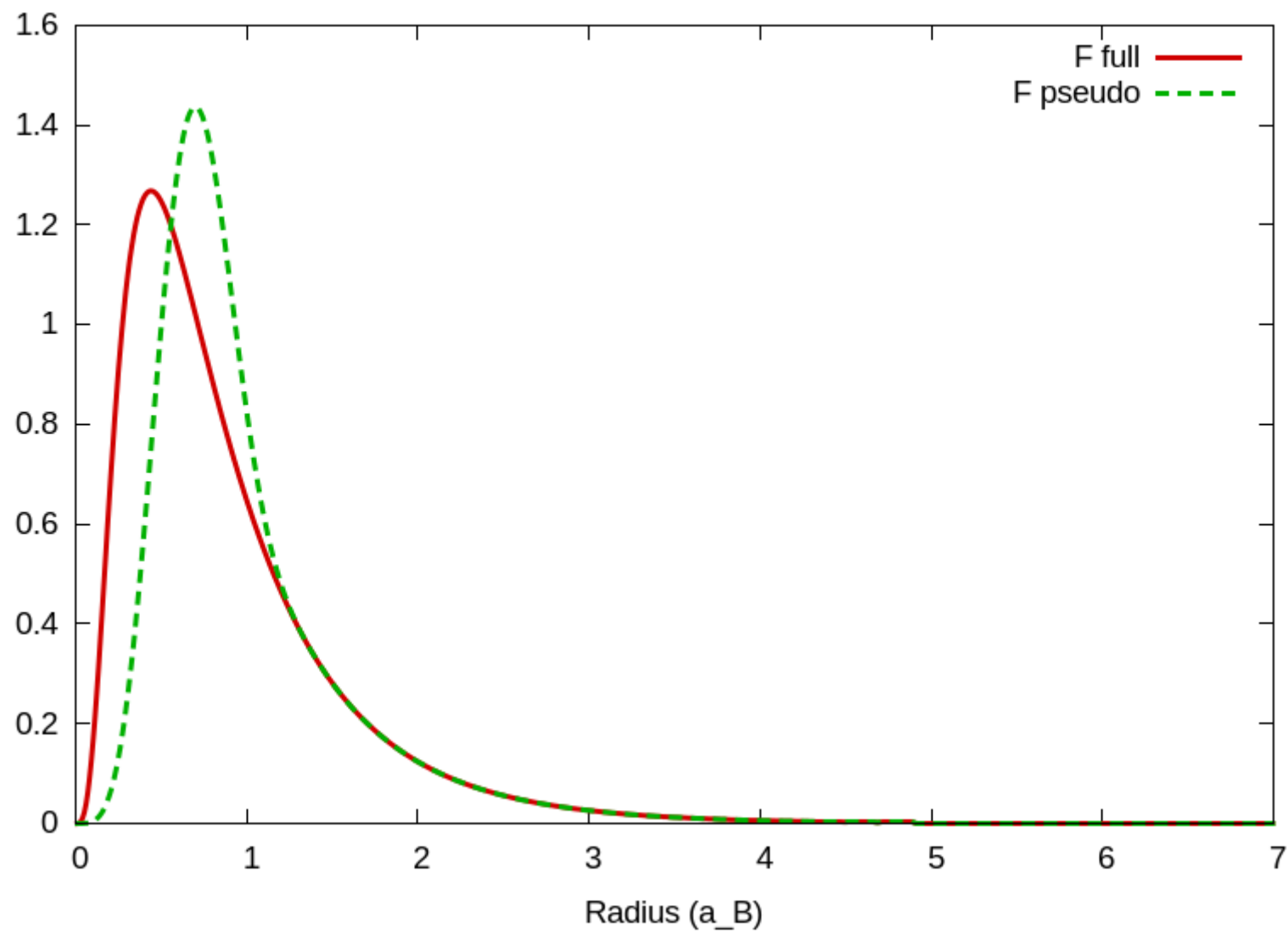
73_Ta D Projs. evkb(:) = -1.26E+01 -8.39E+00 -2.06E+00 Ha



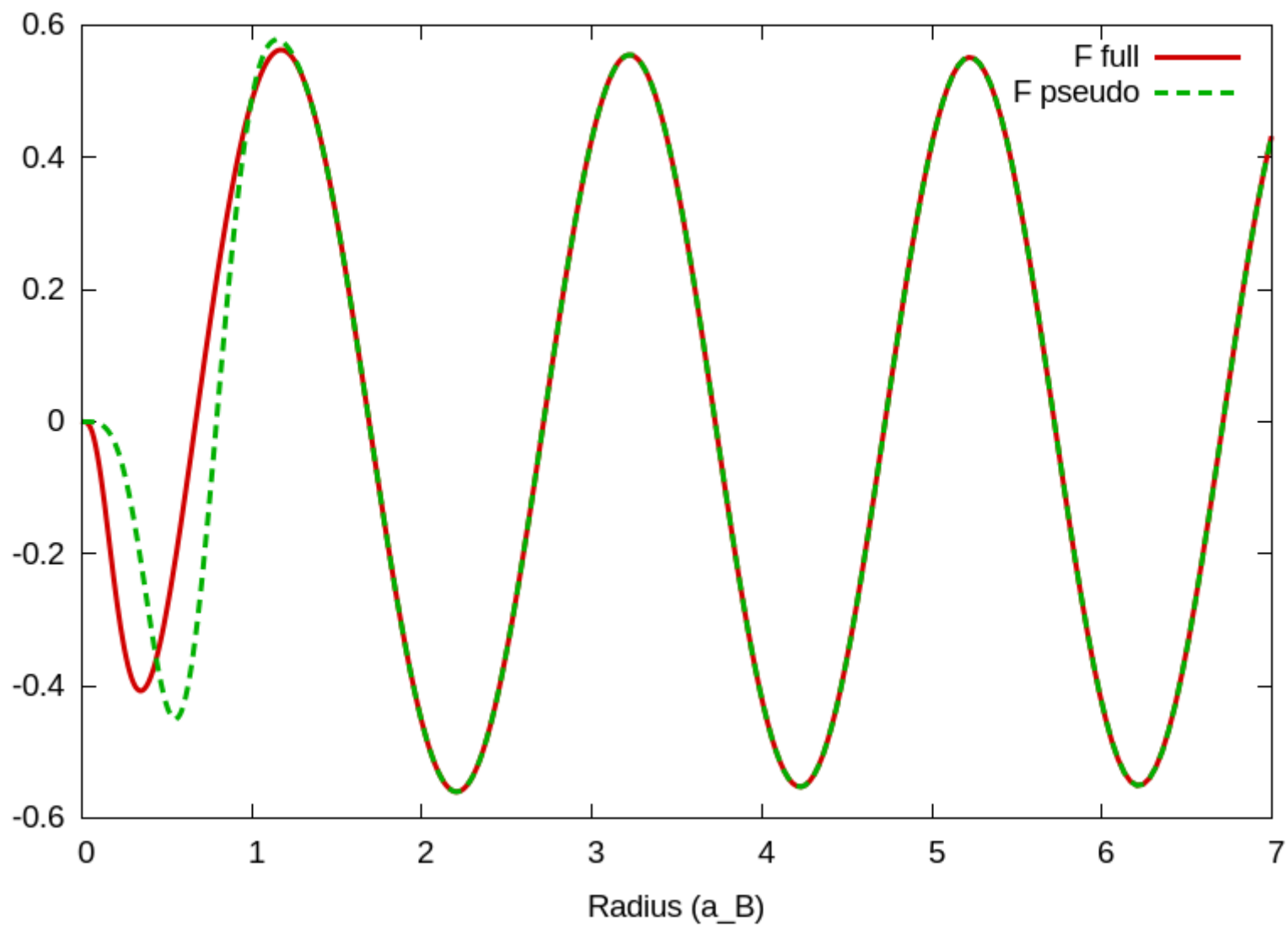
73-Ta ARCTAN(Log Derivatives)



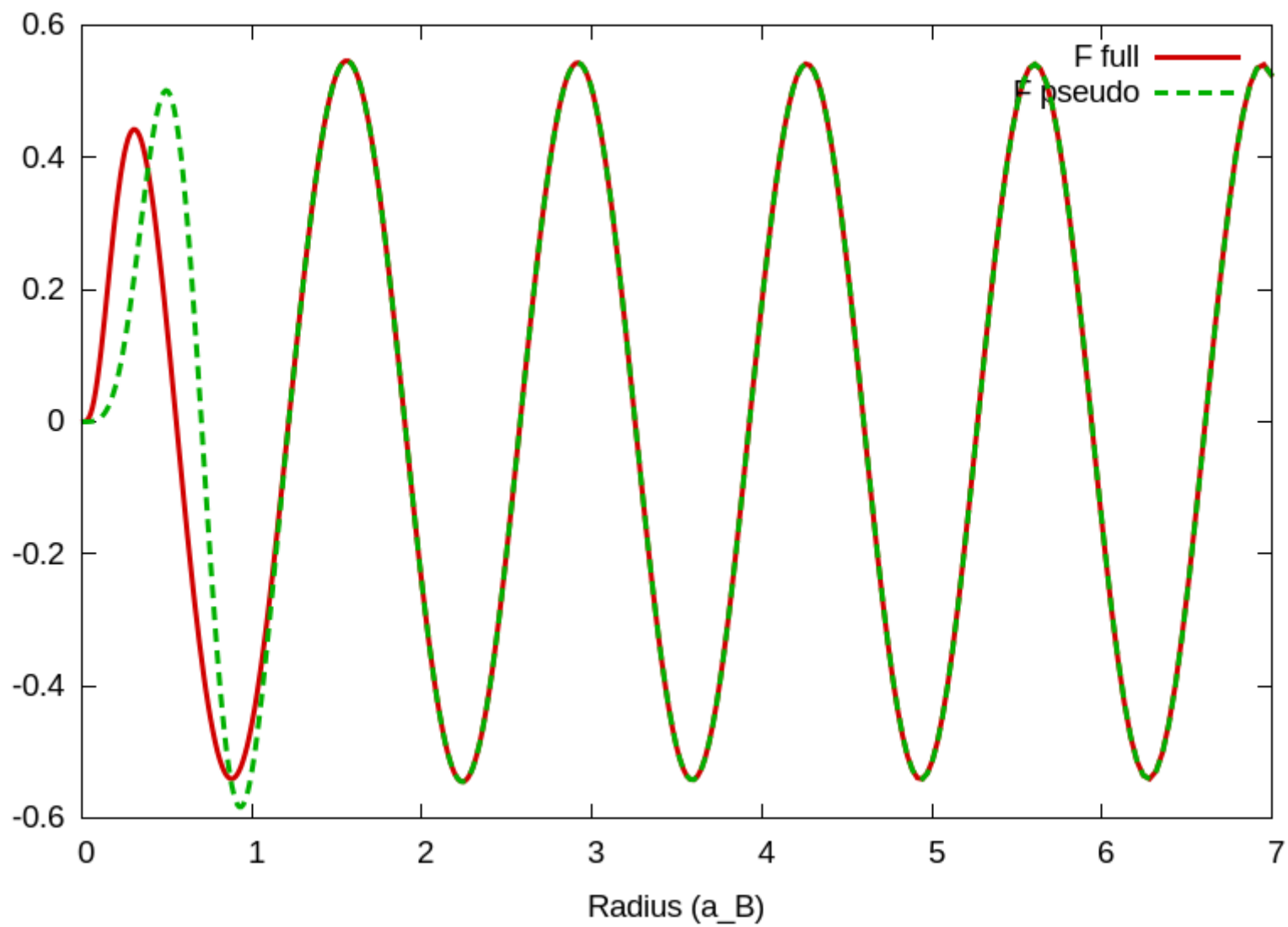
73-Ta Wave Function set 1, $E = -0.92$ Ha



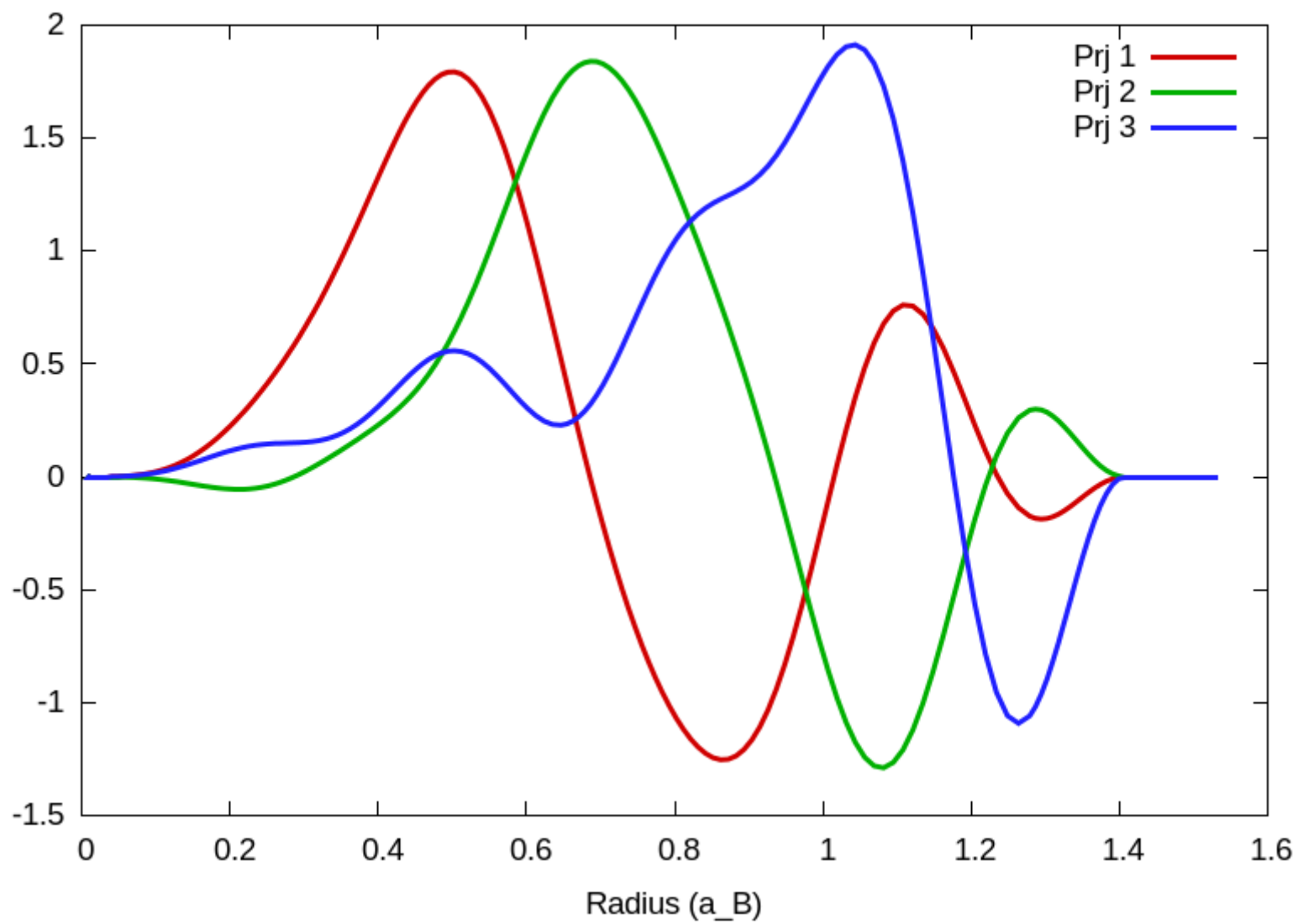
73-Ta Wave Function set 2, E= 5.08 Ha



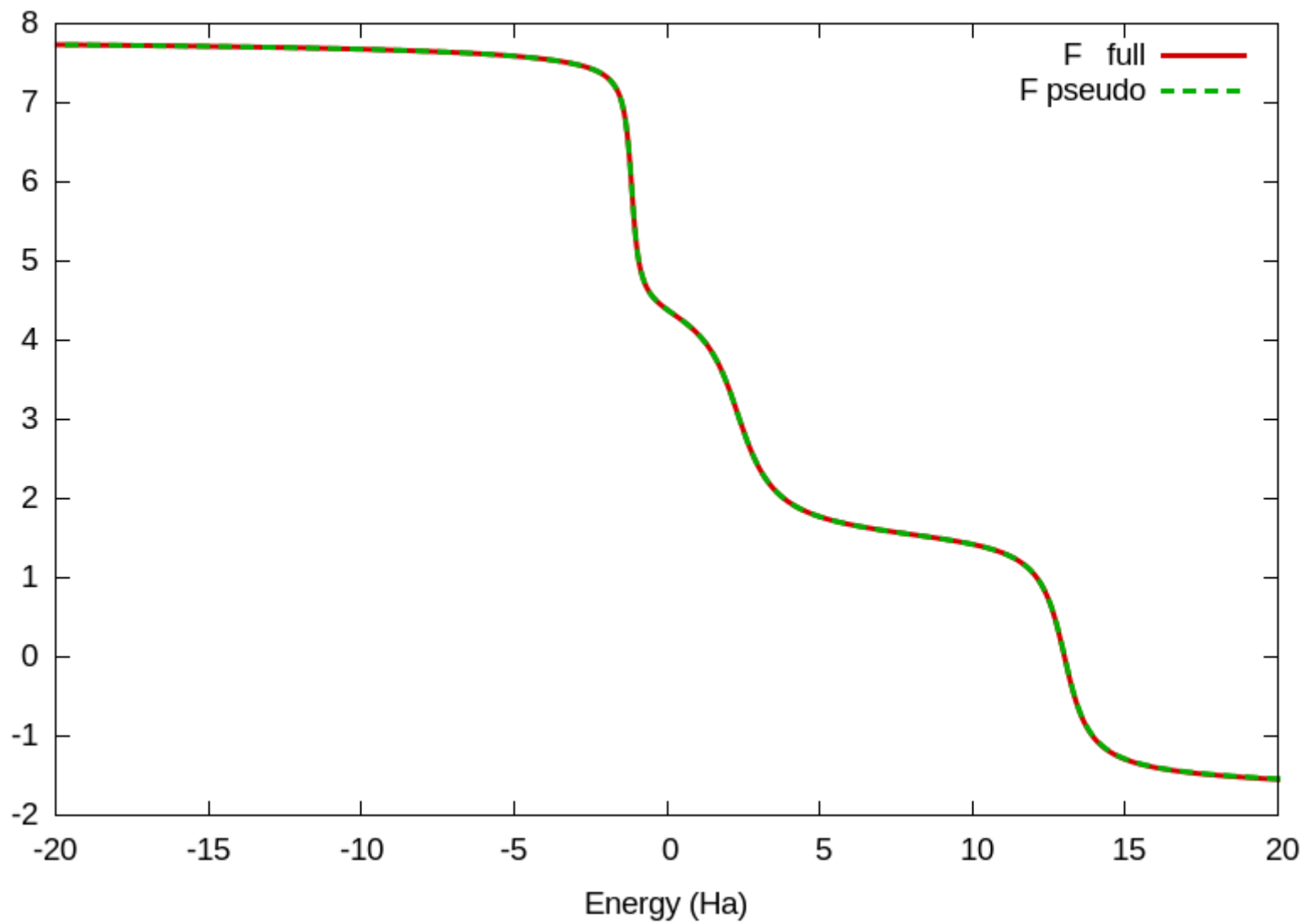
73_Ta Wave Function set 3, E= 11.08 Ha



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



73-Ta ARCTAN(Log Derivatives)



73-Ta Energy Error per Electron (Ha)

