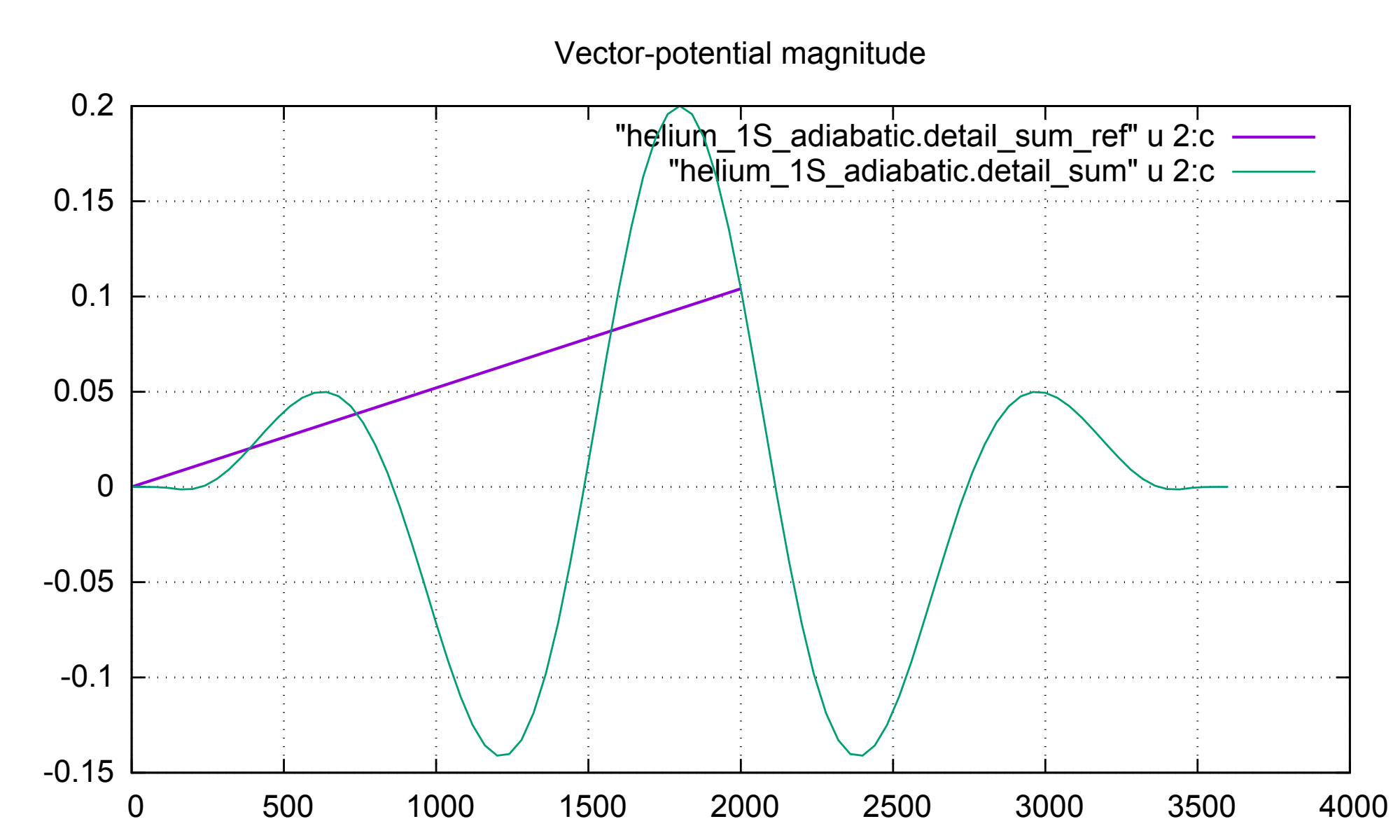
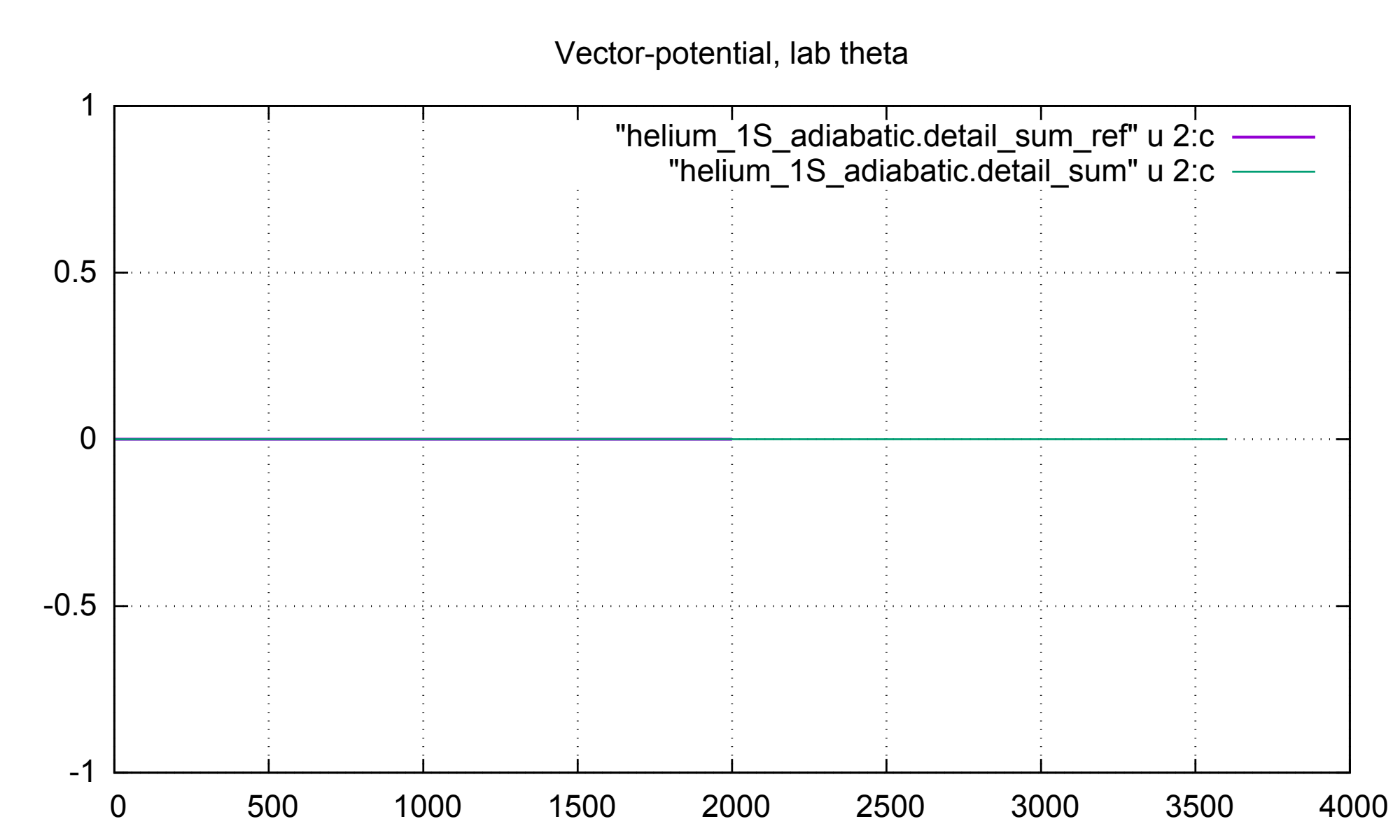
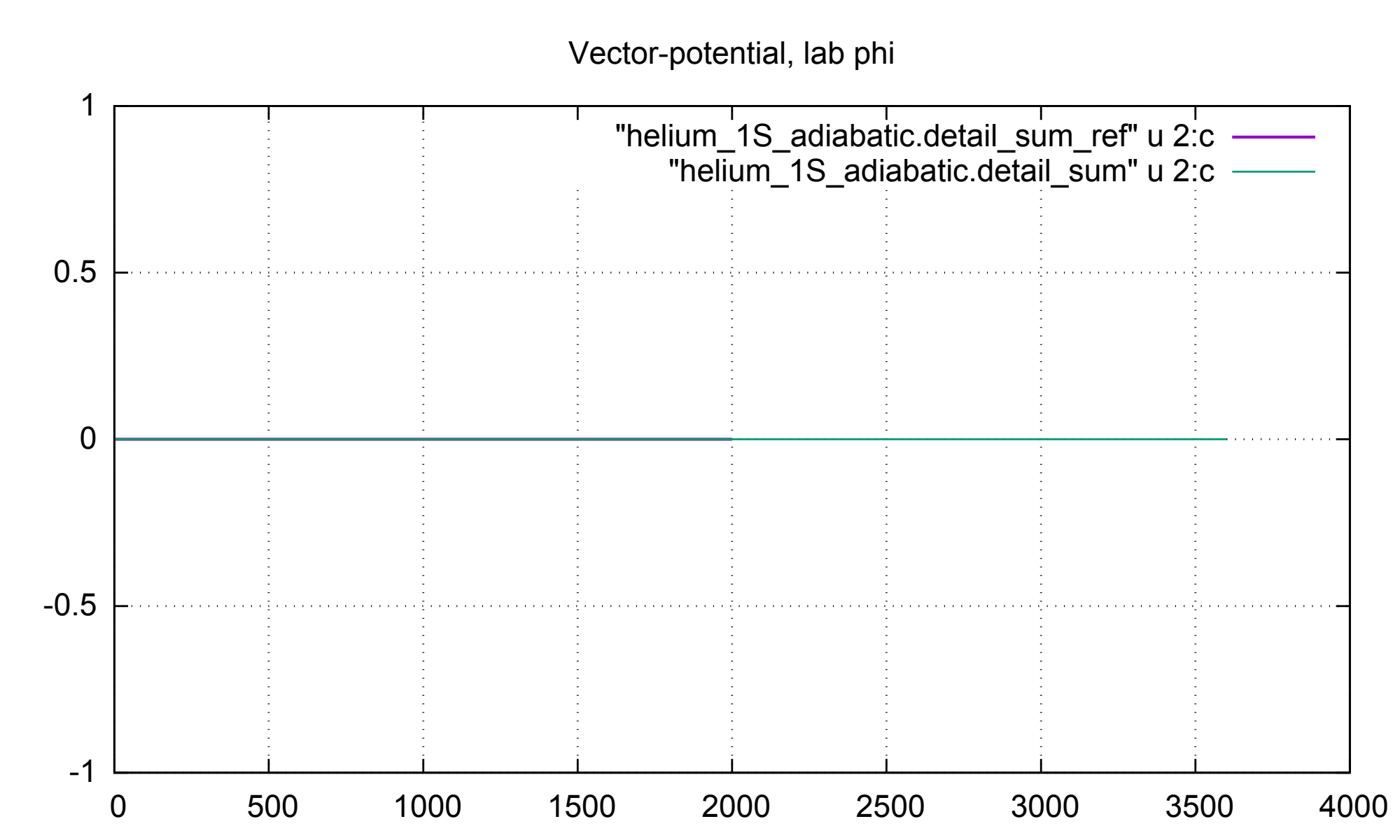
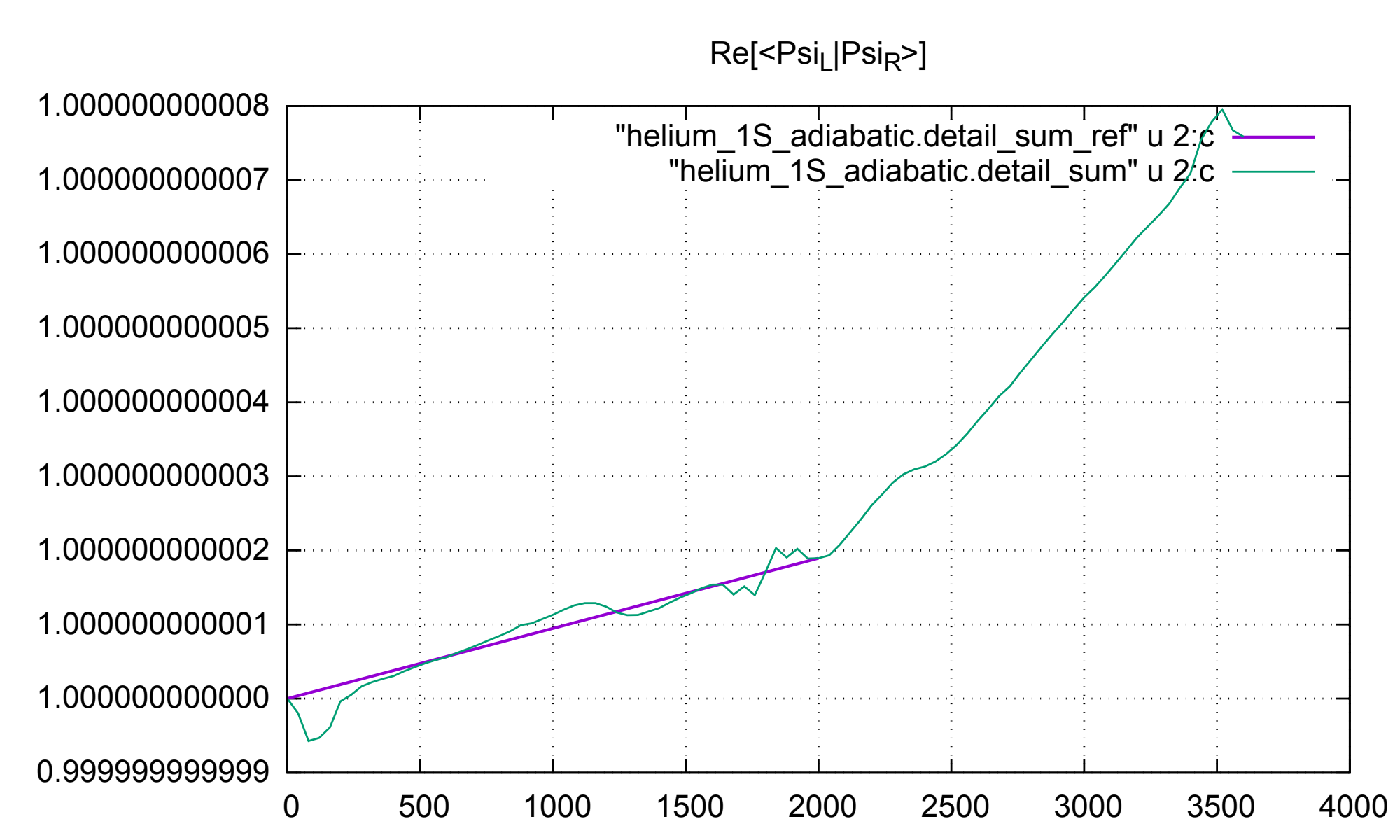
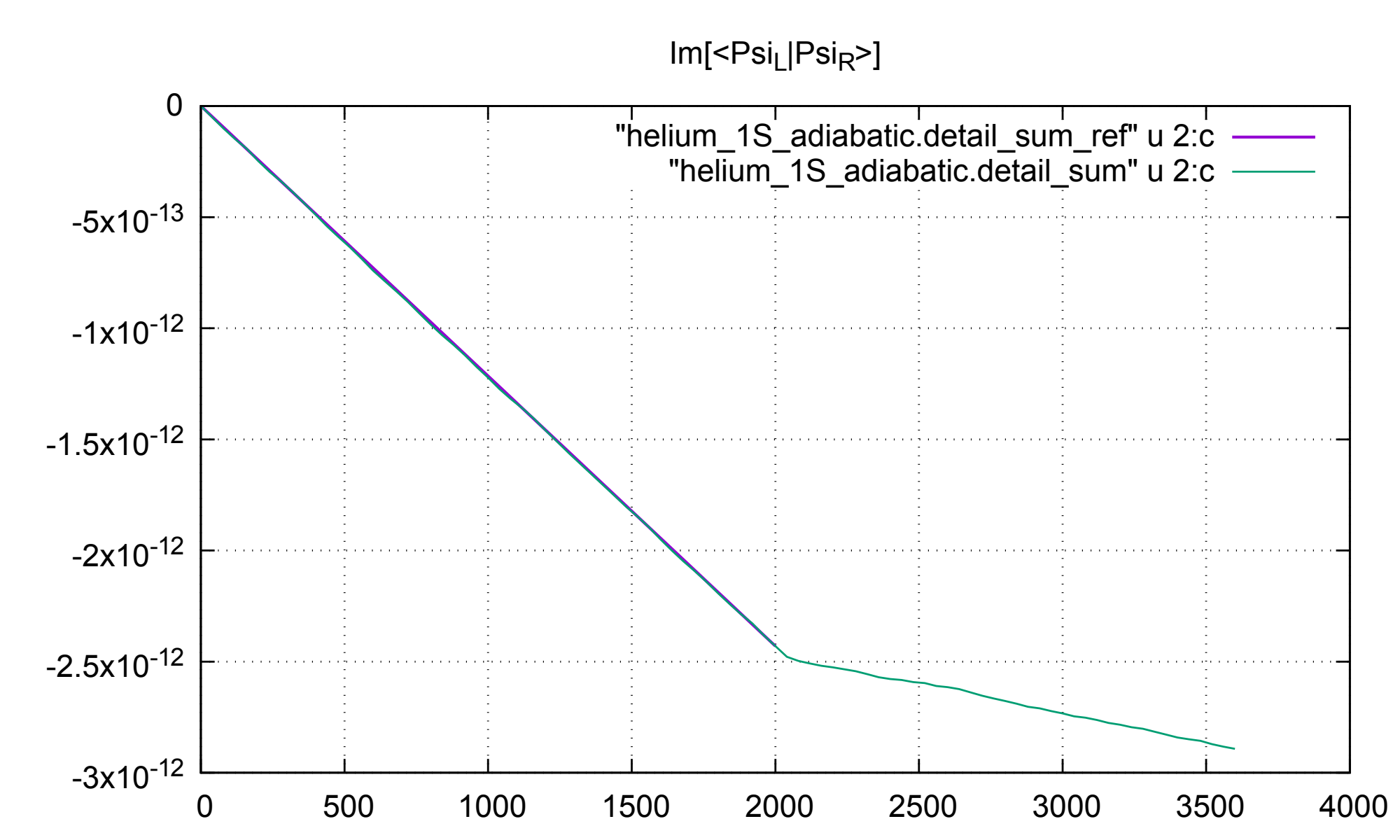
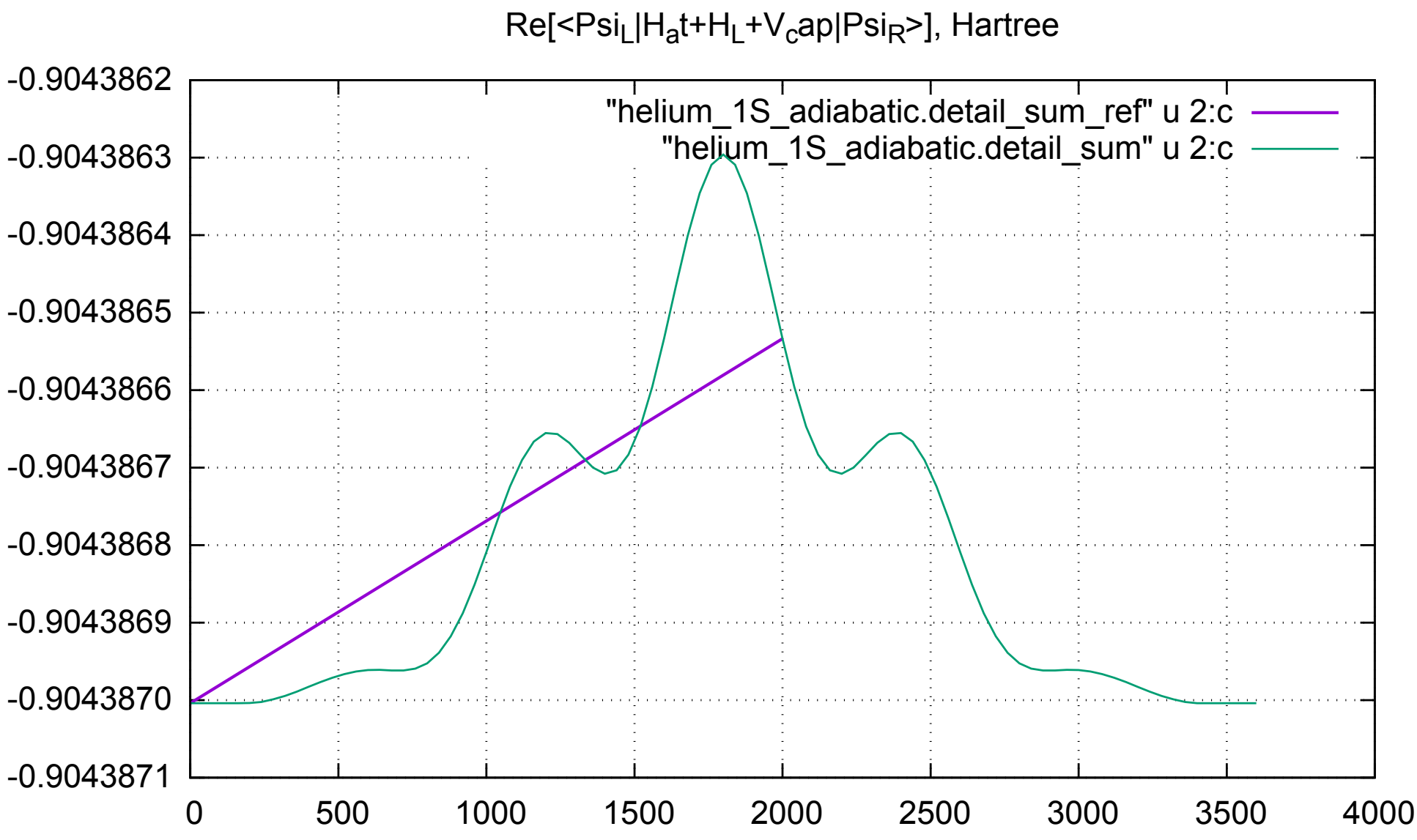

Vector-potential magnitude
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
0
500
1000
1500
2000
2500
3000
3500
4000

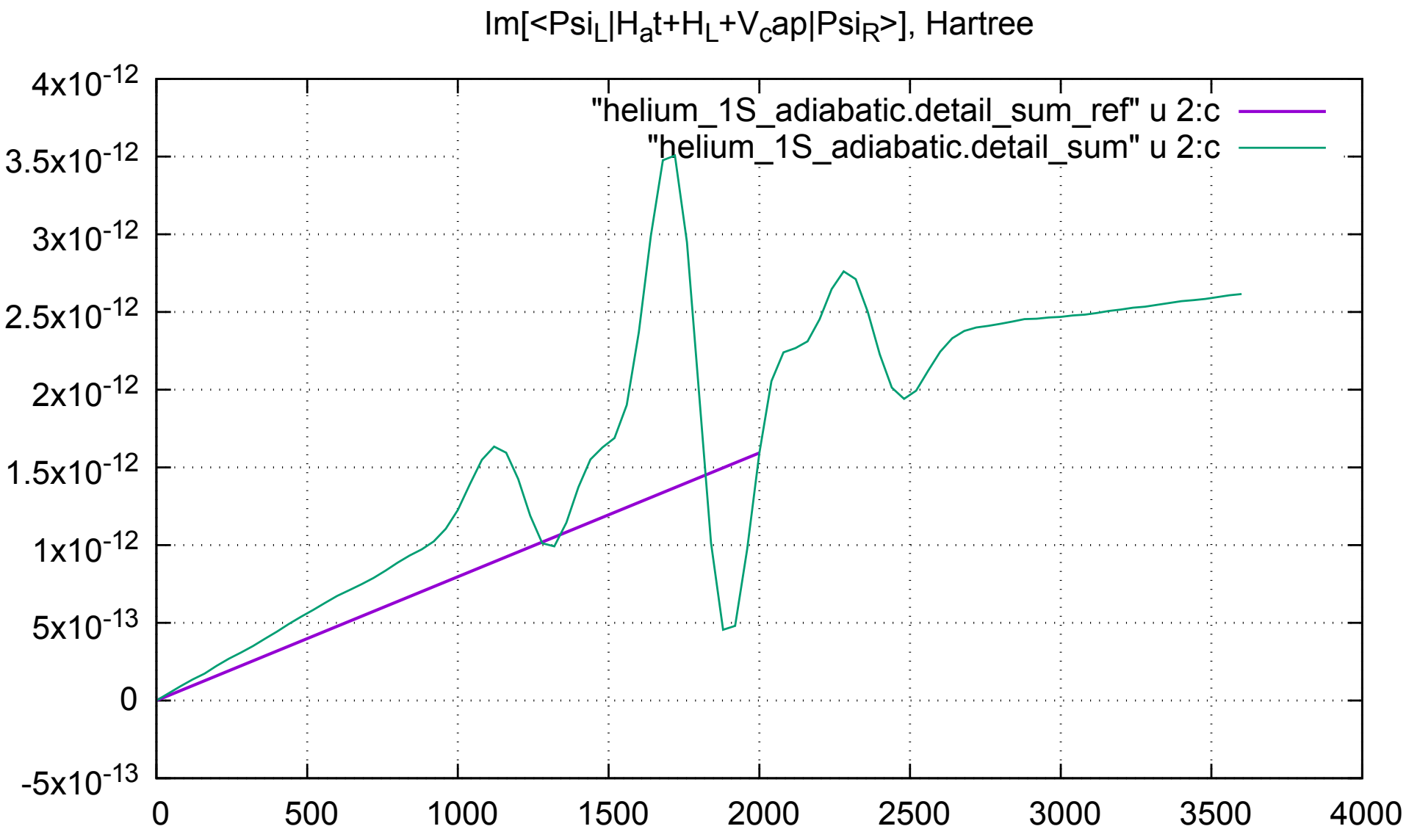

Vector-potential, lab theta
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

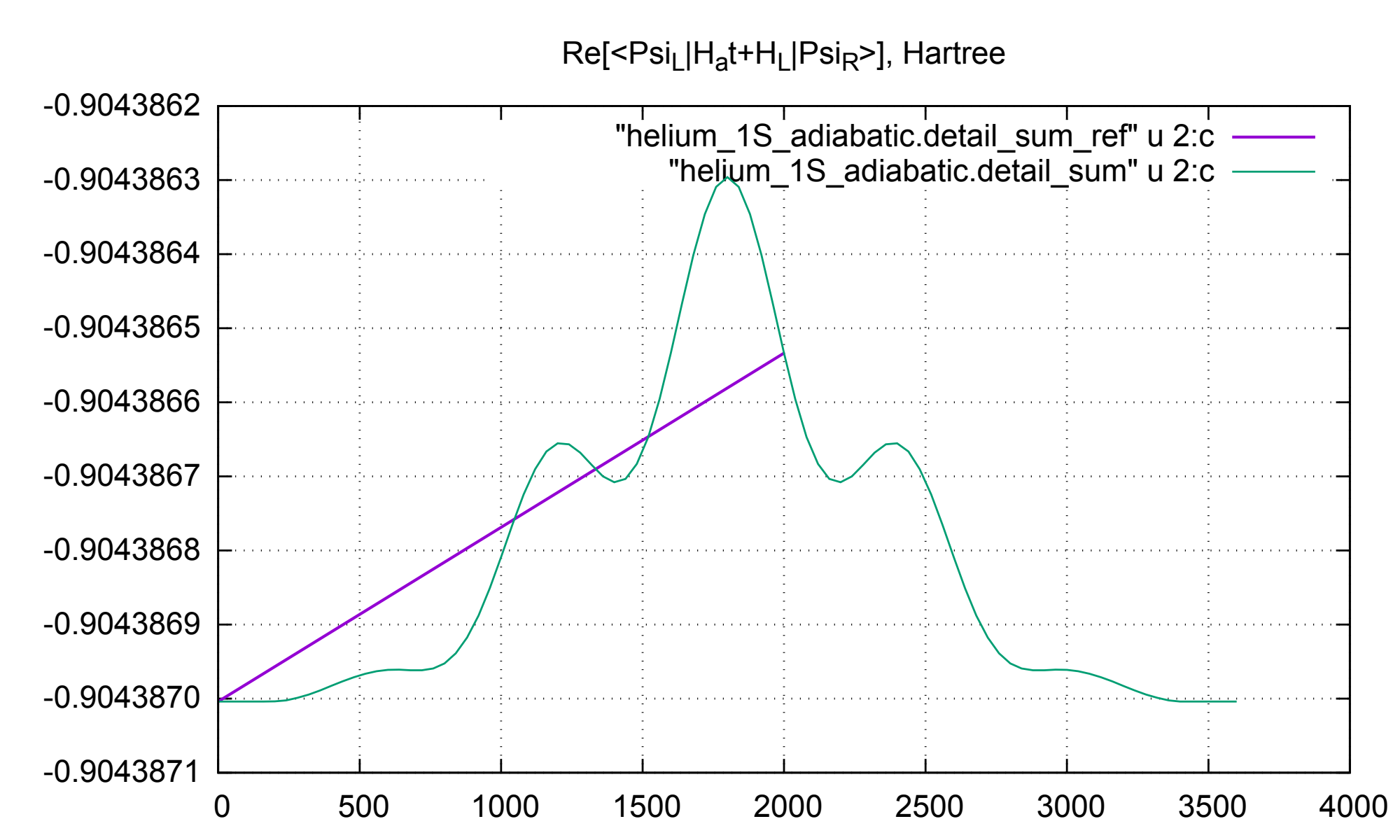

Vector-potential, lab phi
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

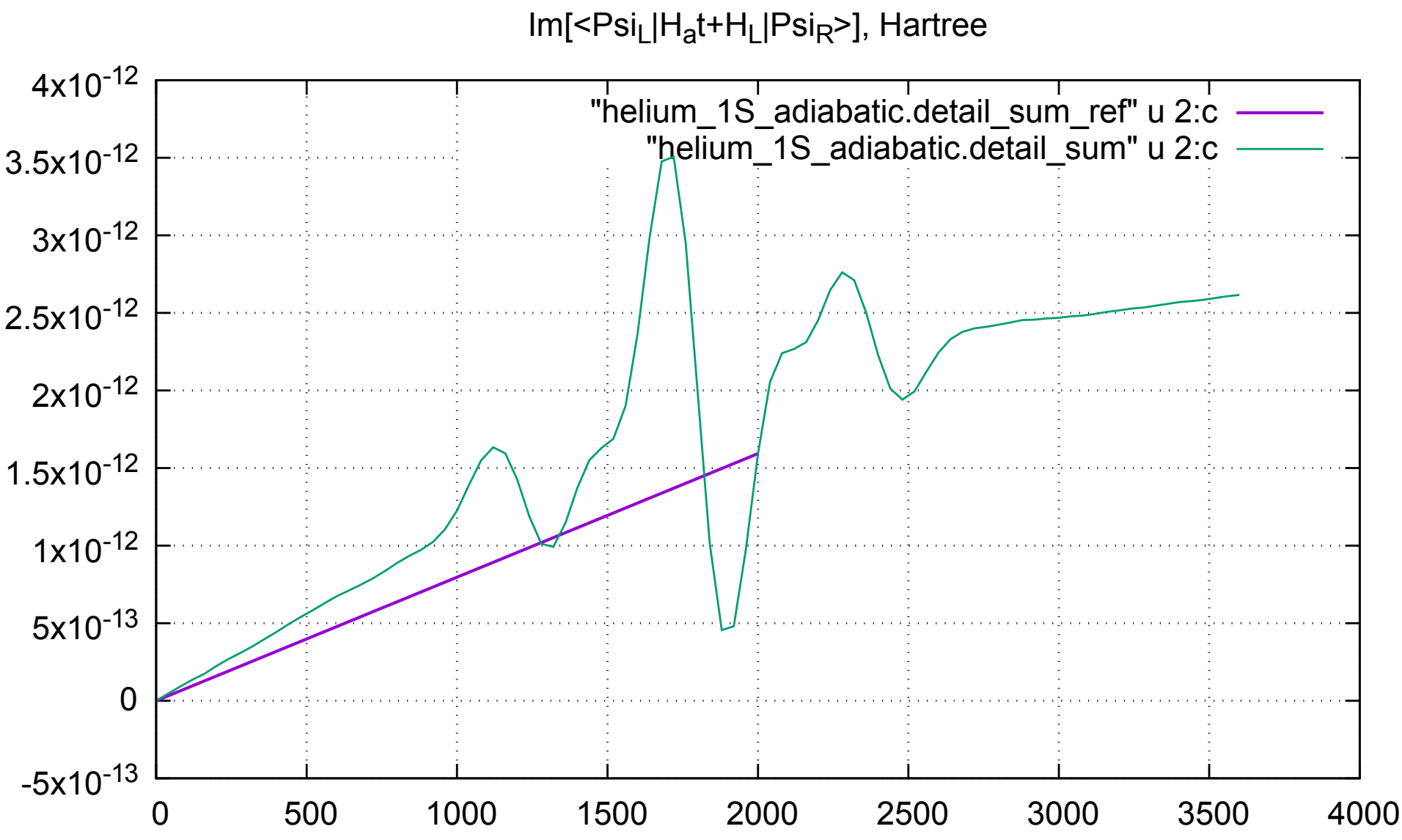

Re[<Psi_L|Psi_R>]
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1.000000000008
1.000000000007
1.000000000006
1.000000000005
1.000000000004
1.000000000003
1.000000000002
1.000000000001
1.000000000000
0.999999999999
0
500
1000
1500
2000
2500
3000
3500
4000

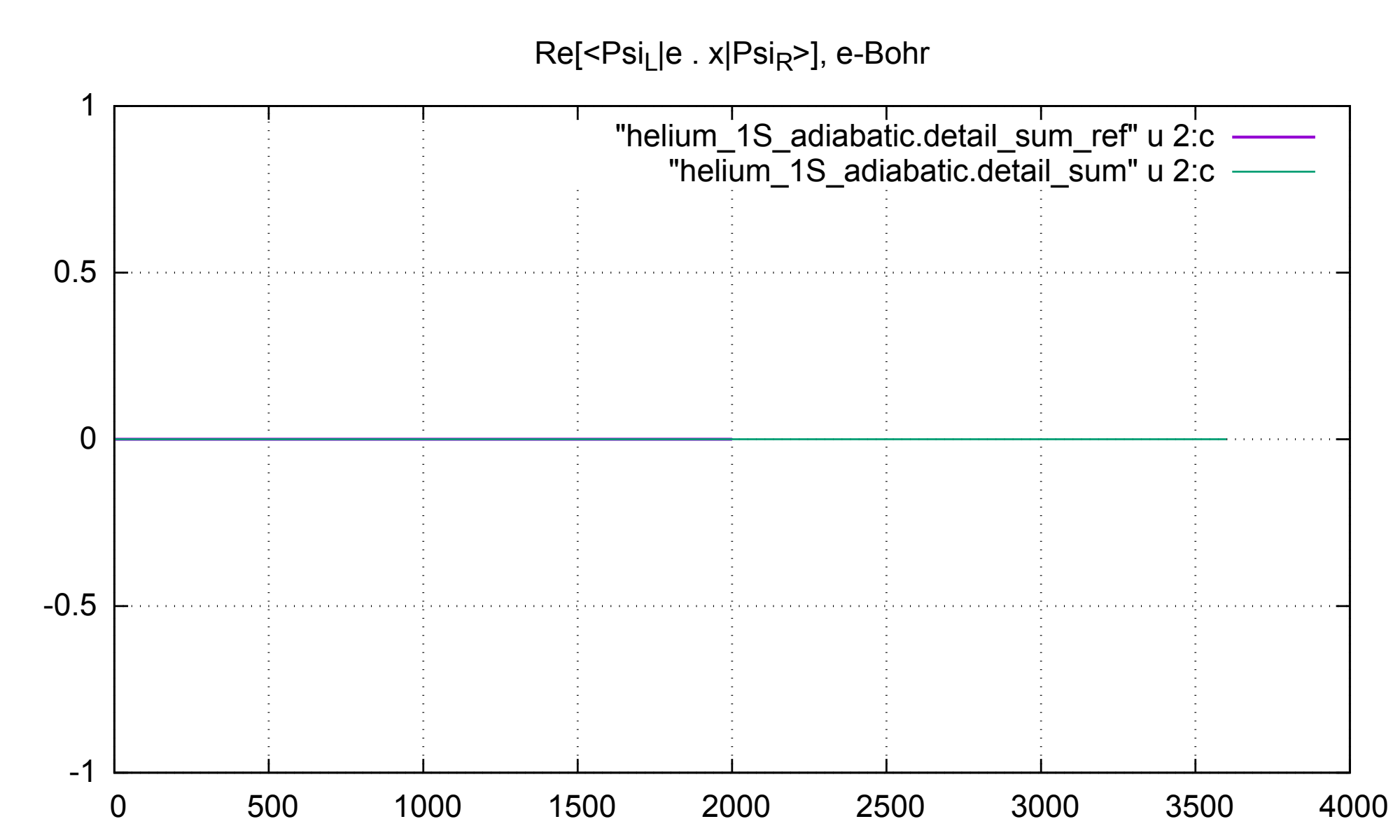

Im[<Psi_L|Psi_R>]
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
0
-5x10^-13
-1x10^-12
-1.5x10^-12
-2x10^-12
-2.5x10^-12
-3x10^-12
0
500
1000
1500
2000
2500
3000
3500
4000

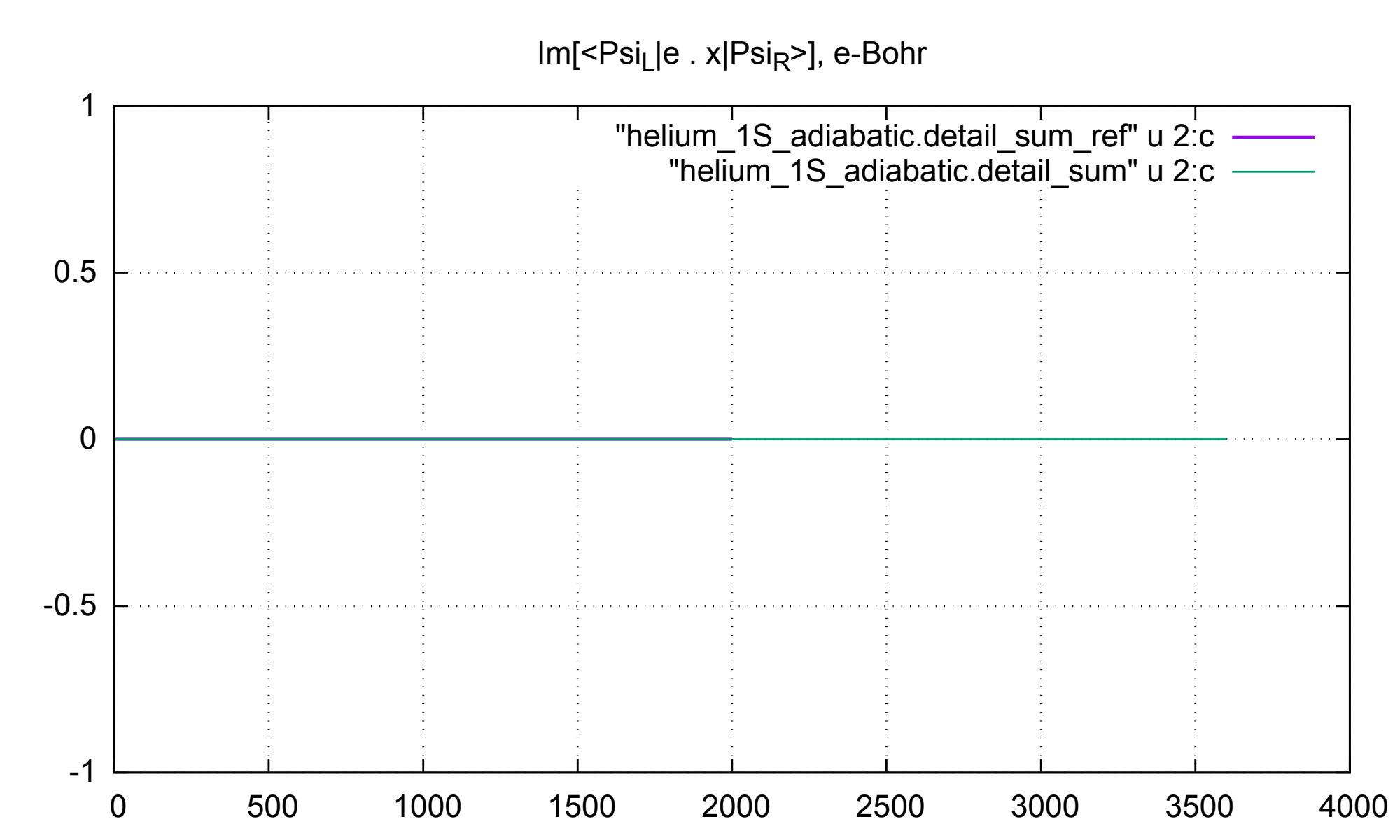

Re[<Psi_L|H_at+H_L+V_cap|Psi_R>], Hartree
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
-0.9043862
-0.9043863
-0.9043864
-0.9043865
-0.9043866
-0.9043867
-0.9043868
-0.9043869
-0.9043870
-0.9043871
0
500
1000
1500
2000
2500
3000
3500
4000

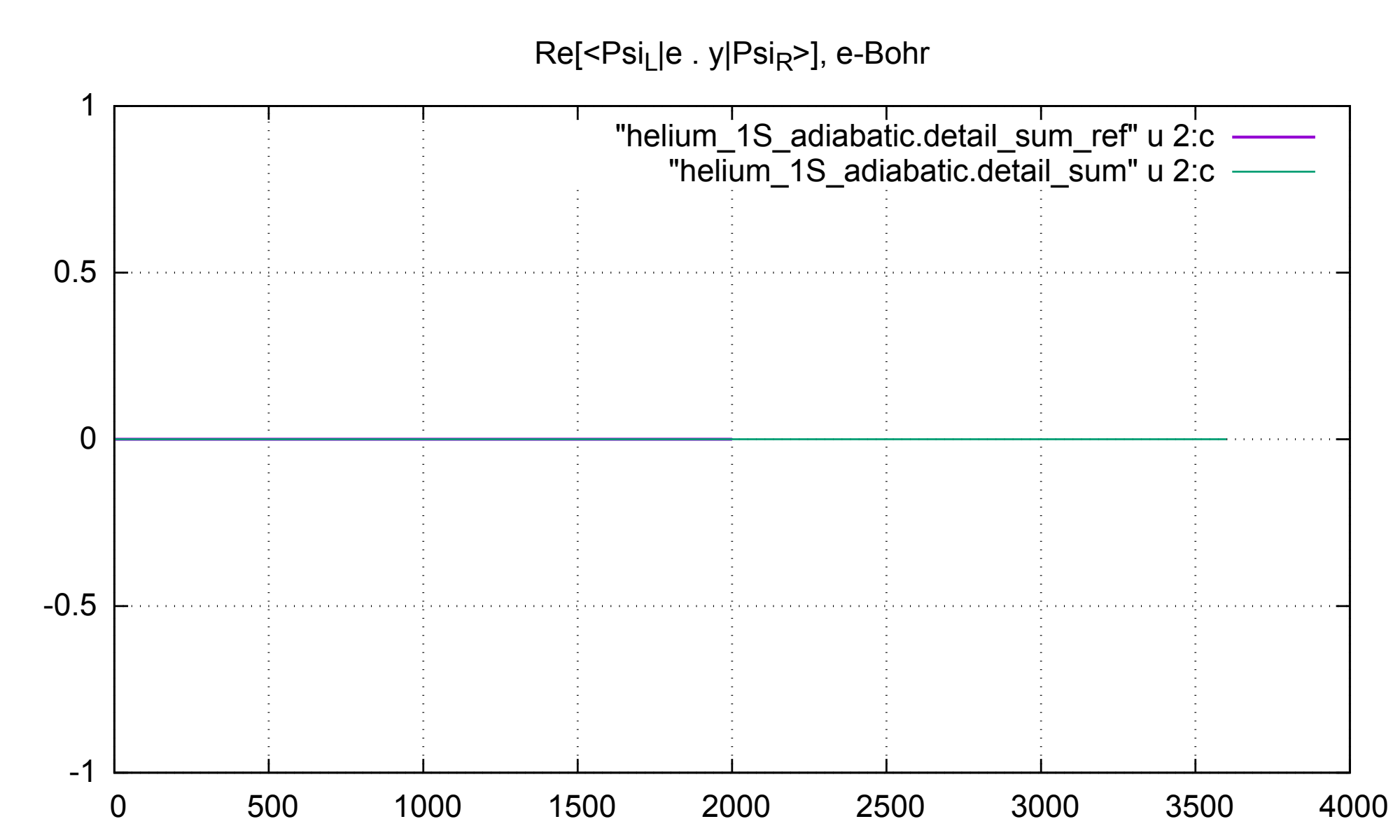

Im[<Psi_L|H_at+H_L+V_cap|Psi_R>], Hartree
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
4x10^-12
3.5x10^-12
3x10^-12
2.5x10^-12
2x10^-12
1.5x10^-12
1x10^-12
5x10^-13
0
-5x10^-13
0
500
1000
1500
2000
2500
3000
3500
4000

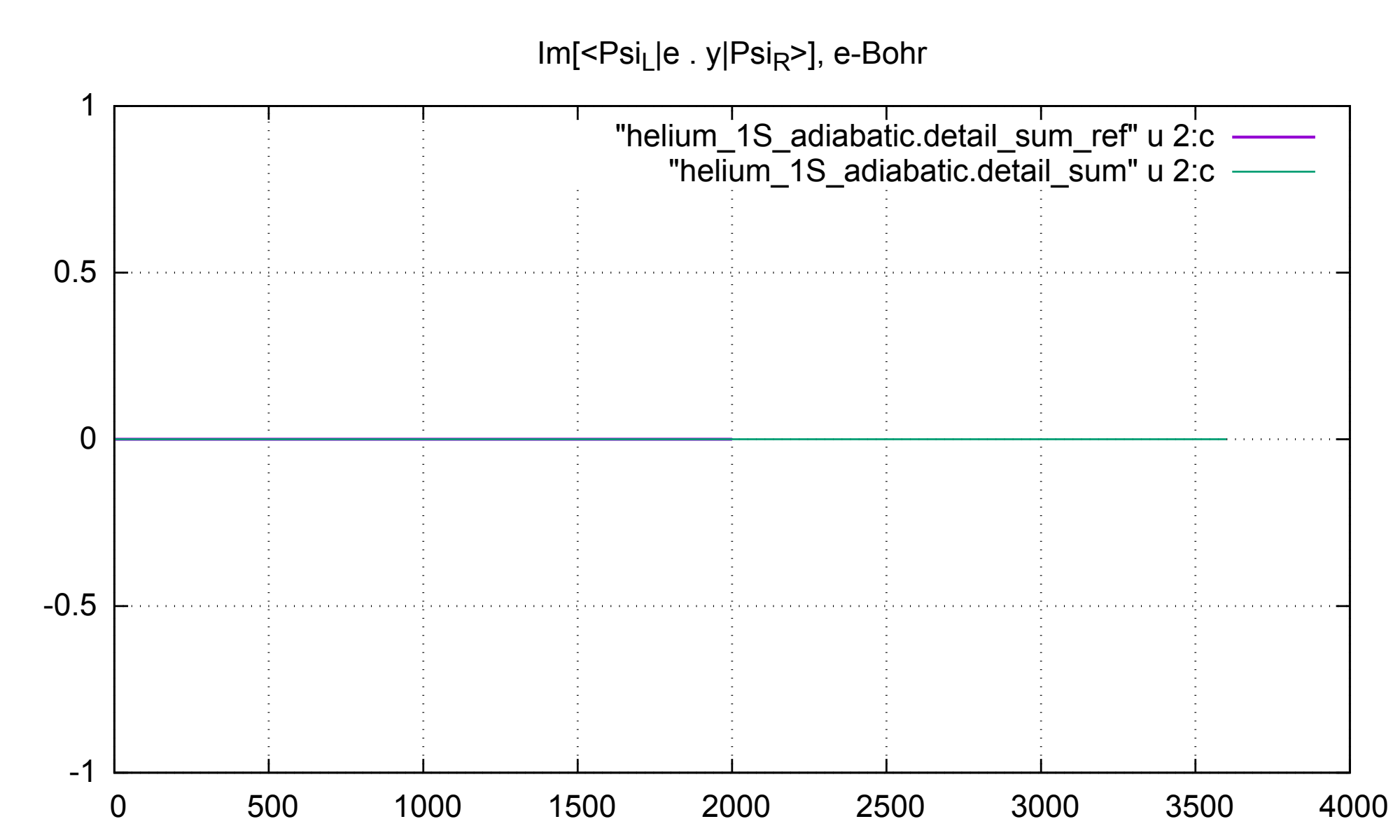

Re[<Psi_L|H_at+H_L|Psi_R>], Hartree
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
-0.9043862
-0.9043863
-0.9043864
-0.9043865
-0.9043866
-0.9043867
-0.9043868
-0.9043869
-0.9043870
-0.9043871
0
500
1000
1500
2000
2500
3000
3500
4000

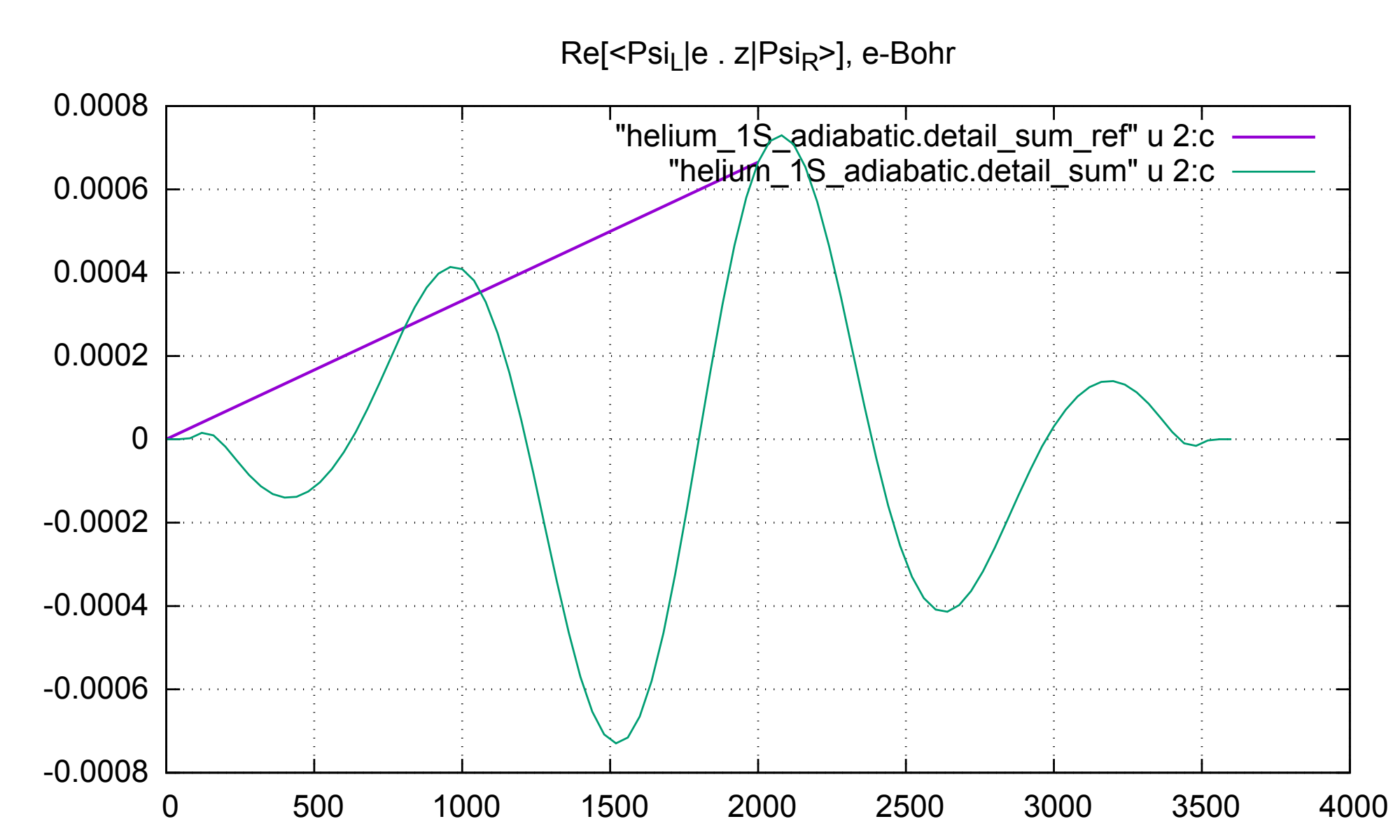

Im[<Psi_L|H_at+H_L|Psi_R>], Hartree
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
4x10^-12
3.5x10^-12
3x10^-12
2.5x10^-12
2x10^-12
1.5x10^-12
1x10^-12
5x10^-13
0
-5x10^-13
0
500
1000
1500
2000
2500
3000
3500
4000

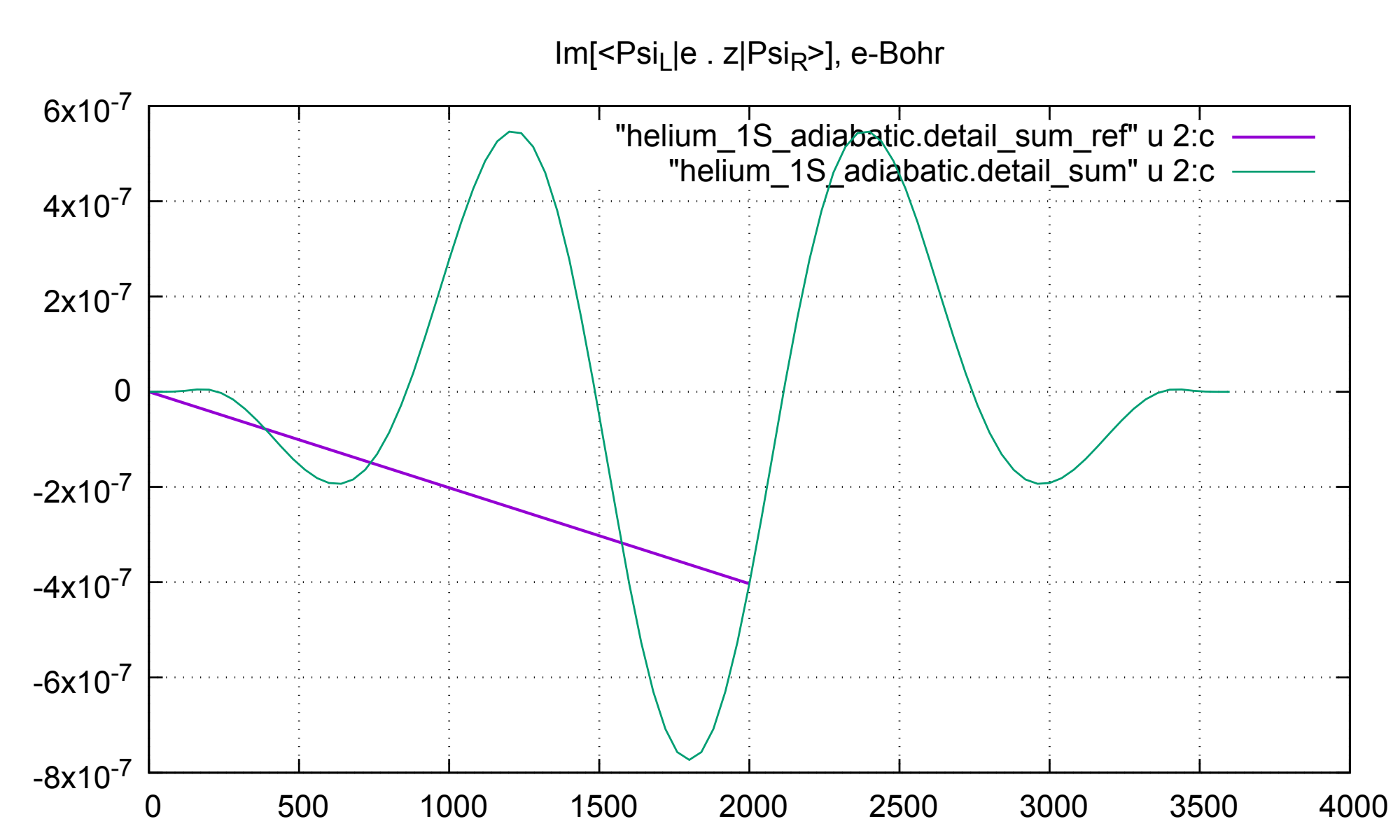

Re[<Psi_L|e . x|Psi_R>], e-Bohr
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

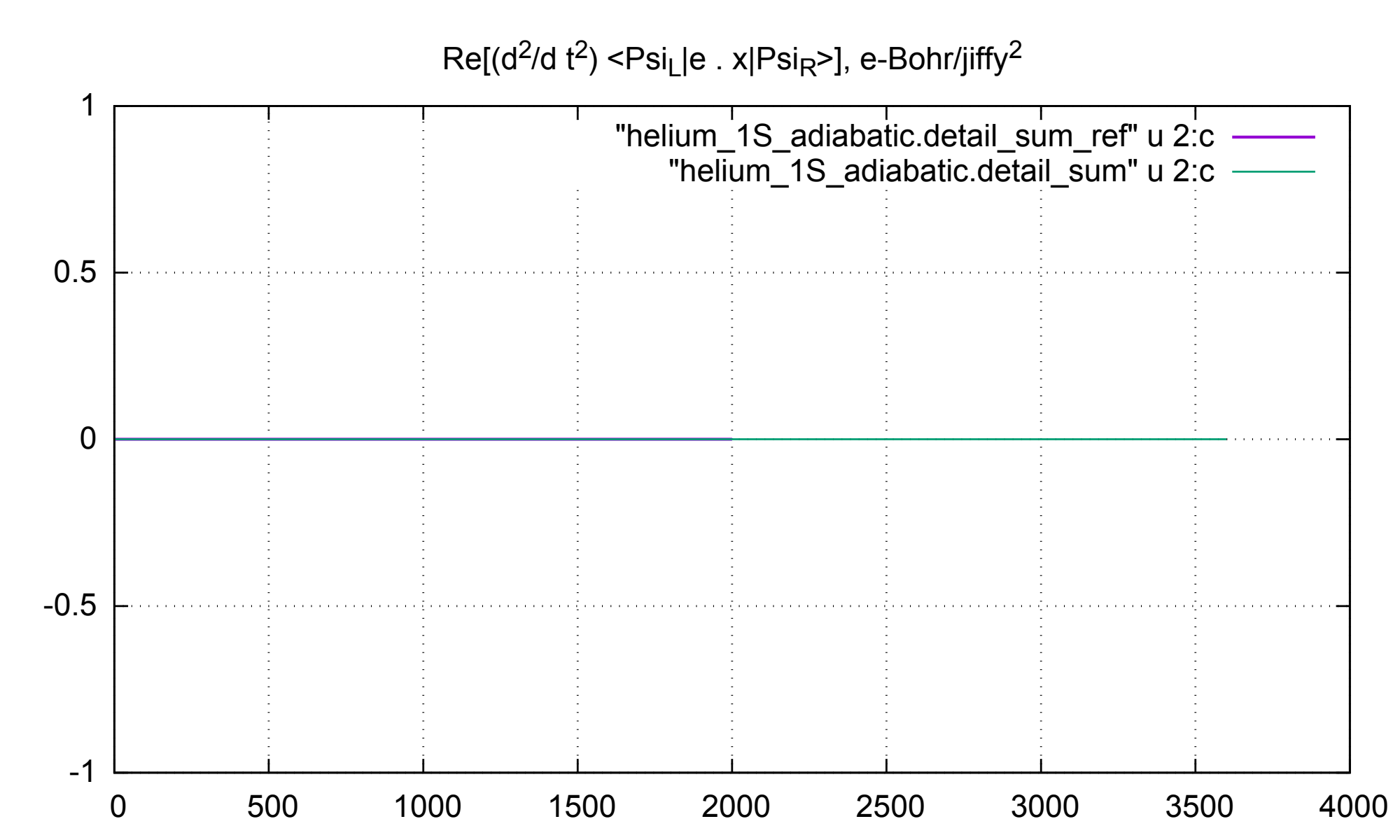

Im[<Psi_L|e . x|Psi_R>], e-Bohr
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

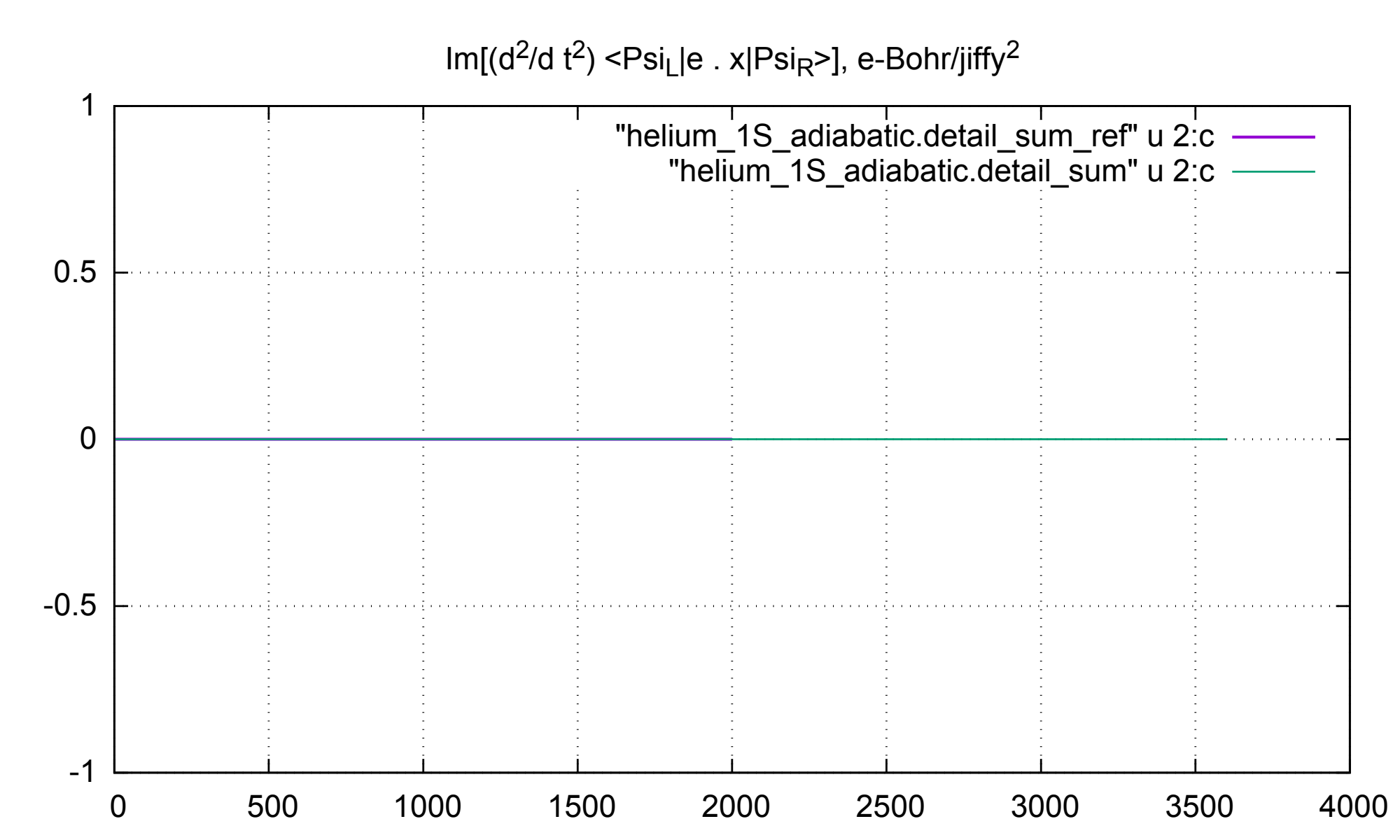

Re[<Psi_L|e . y|Psi_R>], e-Bohr
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

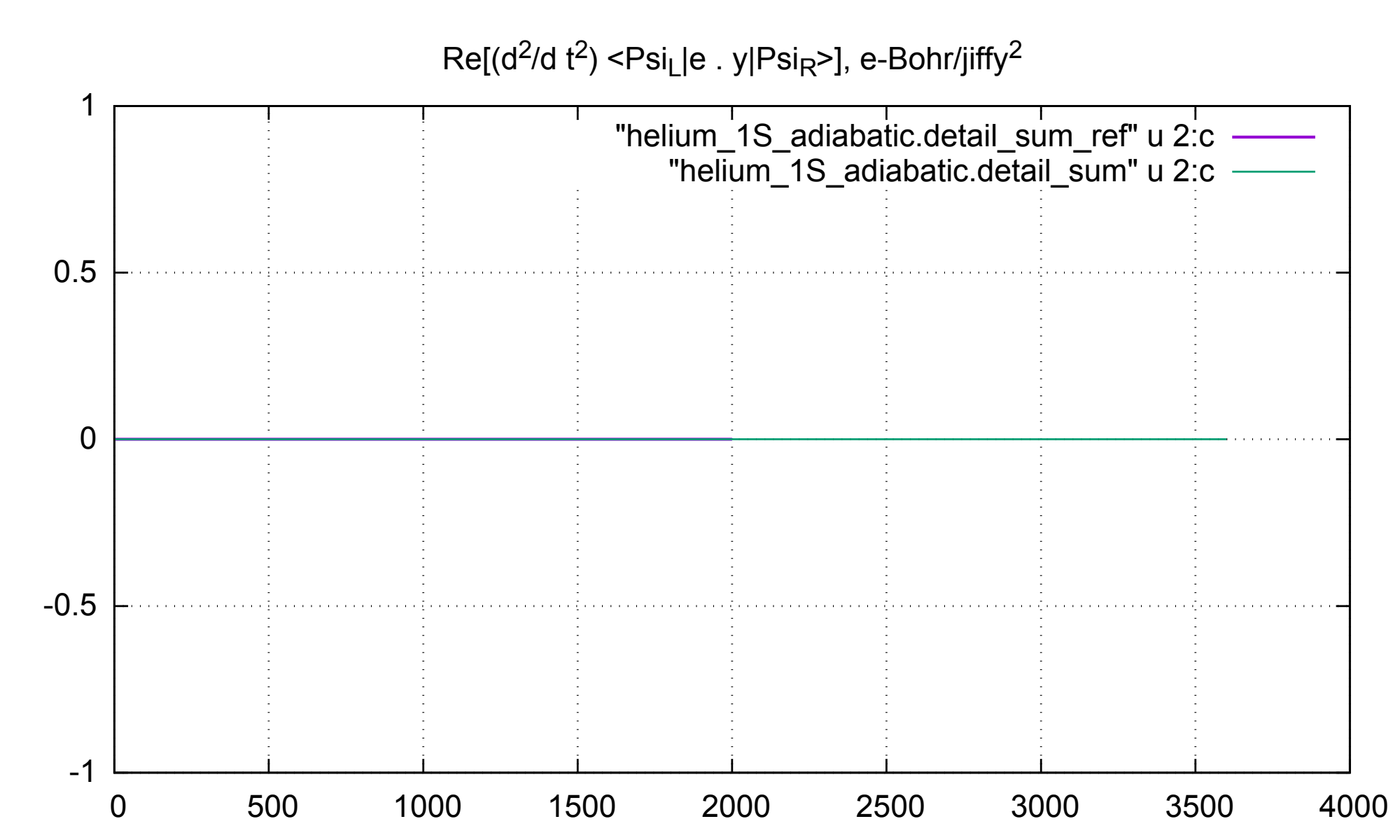

Im[<Psi_L|e . y|Psi_R>], e-Bohr
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

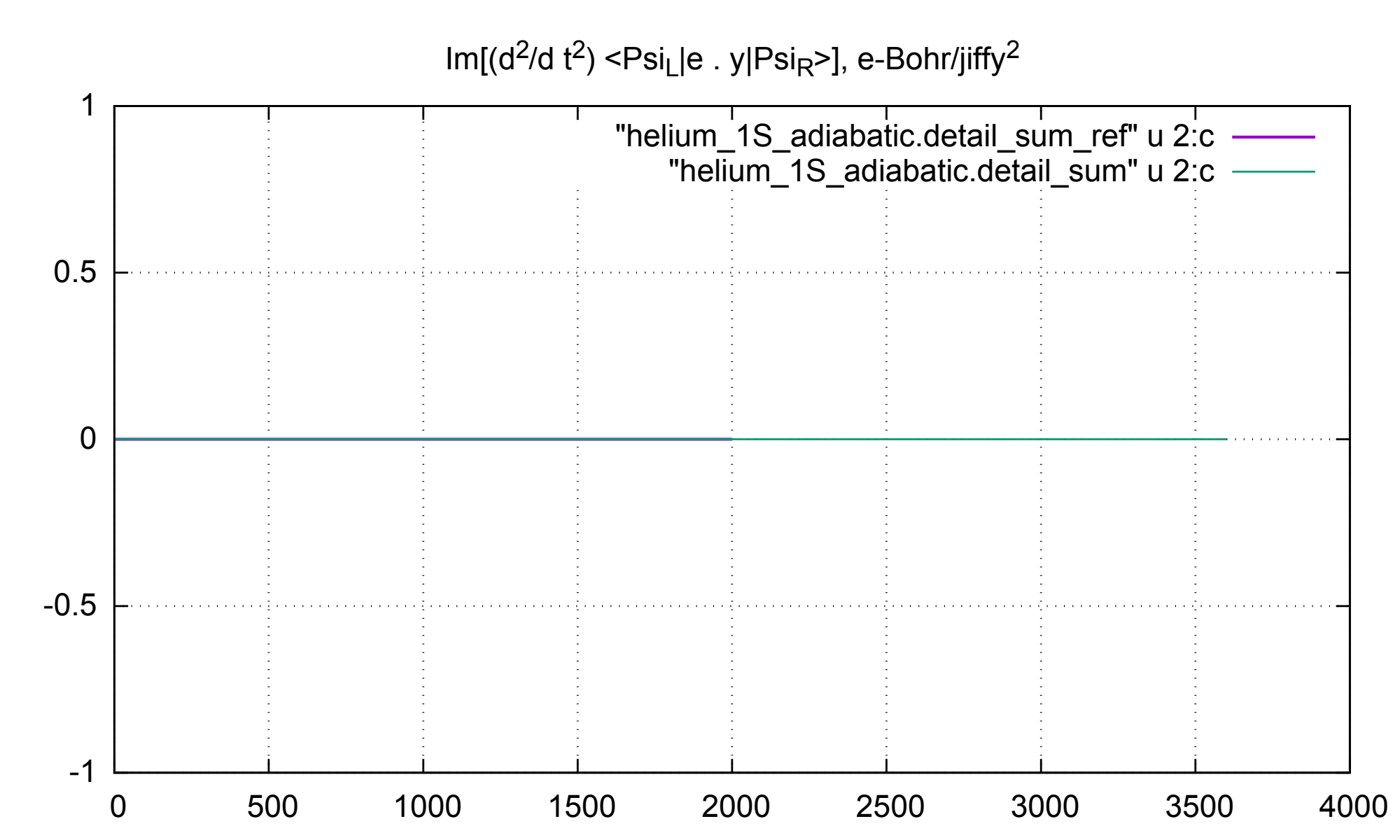

Re[<Psi_L|e . z|Psi_R>], e-Bohr
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
0.0008
0.0006
0.0004
0.0002
0
-0.0002
-0.0004
-0.0006
-0.0008
0
500
1000
1500
2000
2500
3000
3500
4000

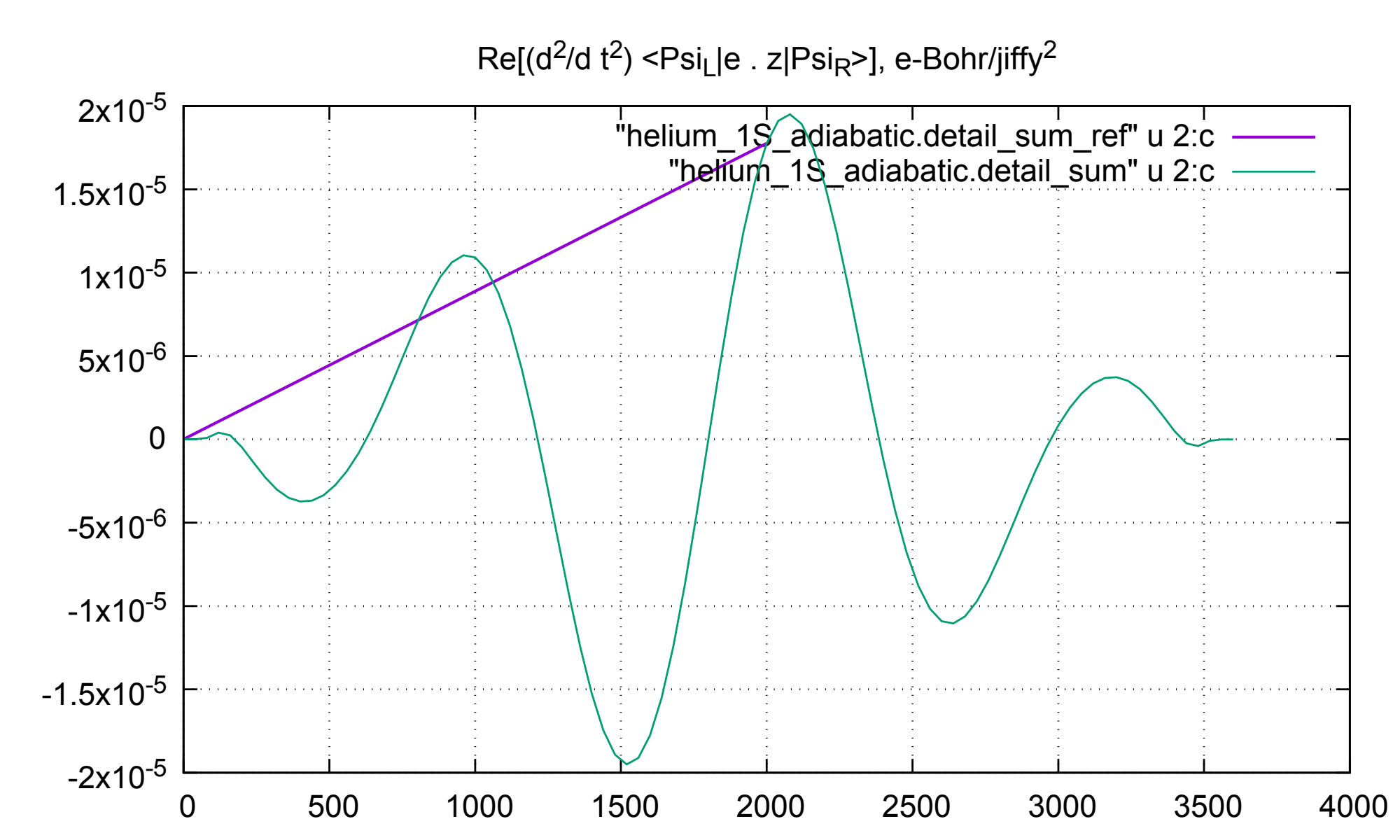

Im[<Psi_L|e . z|Psi_R>], e-Bohr
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
6x10^-7
4x10^-7
2x10^-7
0
-2x10^-7
-4x10^-7
-6x10^-7
-8x10^-7
0
500
1000
1500
2000
2500
3000
3500
4000

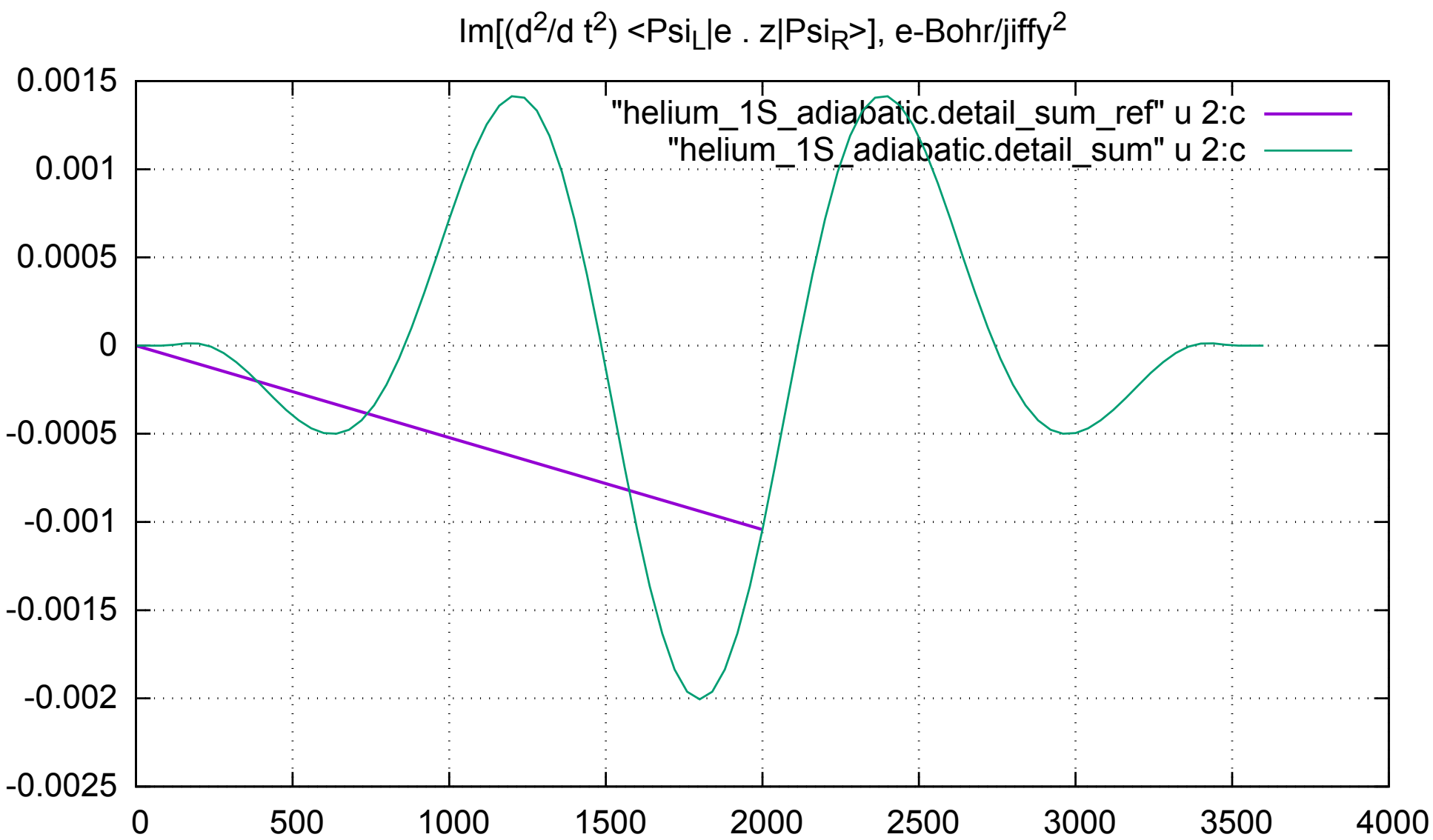

Re[(d^2/d t^2) <Psi_L|e . x|Psi_R>], e-Bohr/jiffy^2
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

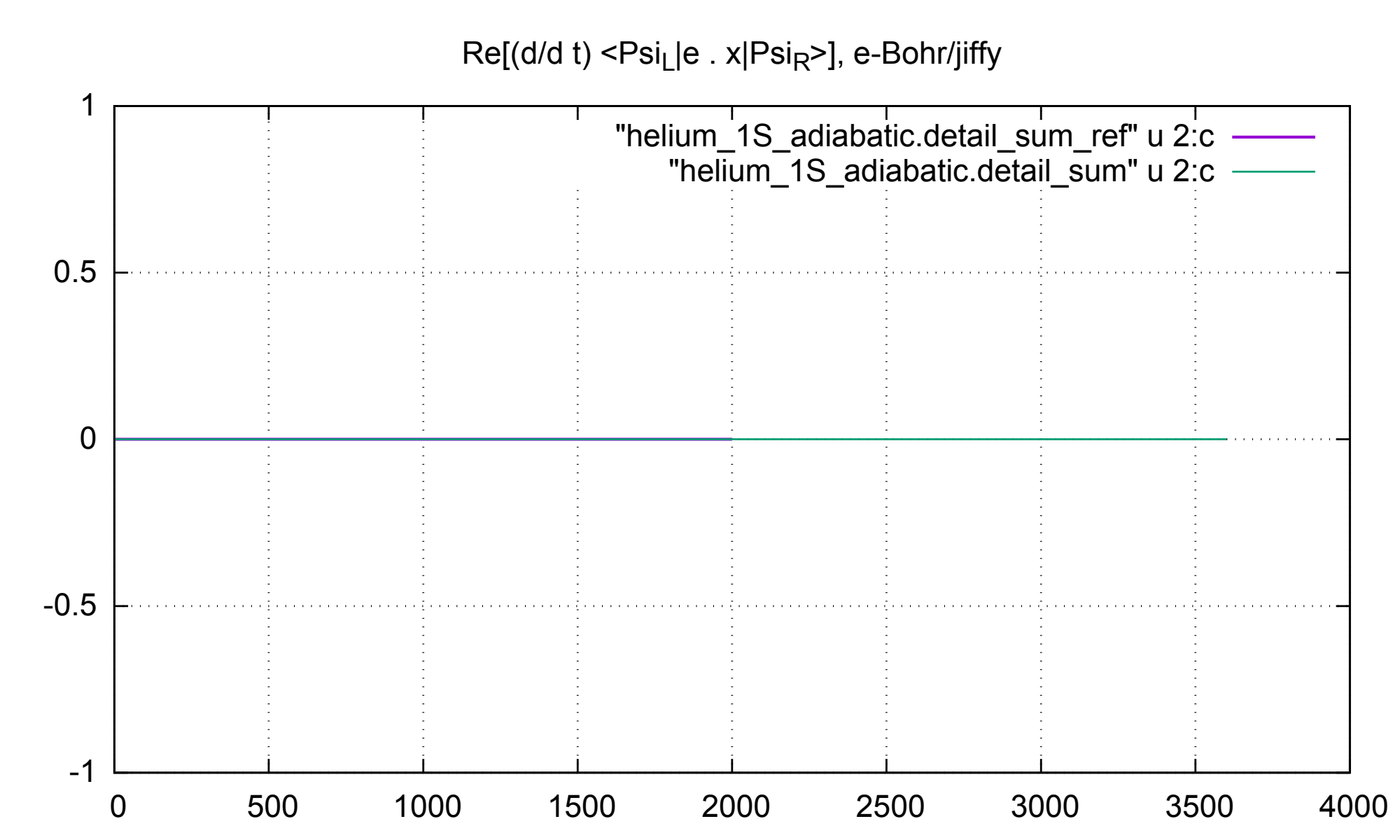

Im[(d^2/d t^2) <Psi_L|e . x|Psi_R>], e-Bohr/jiffy^2
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

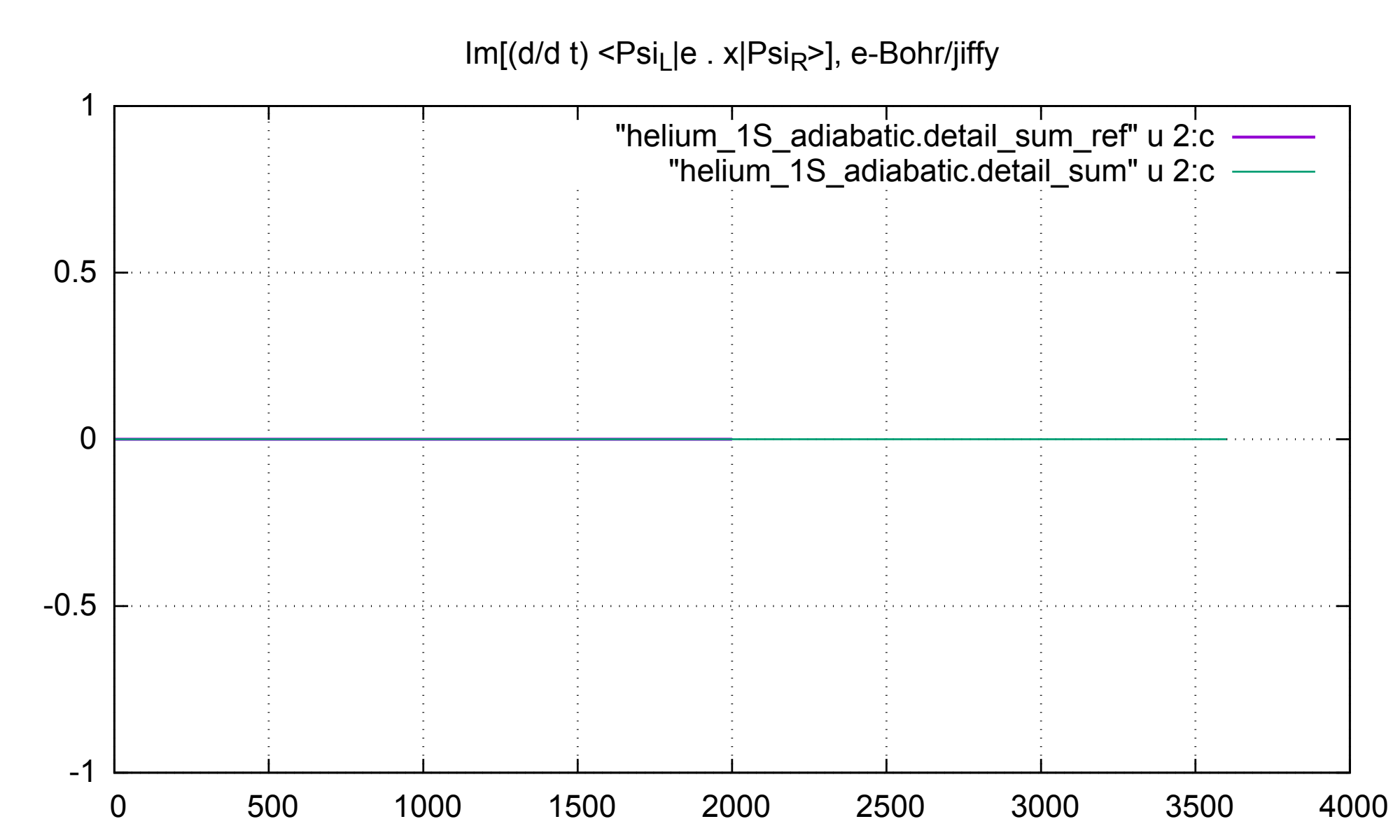

Re[(d^2/d t^2) <Psi_L|e . y|Psi_R>], e-Bohr/jiffy^2
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

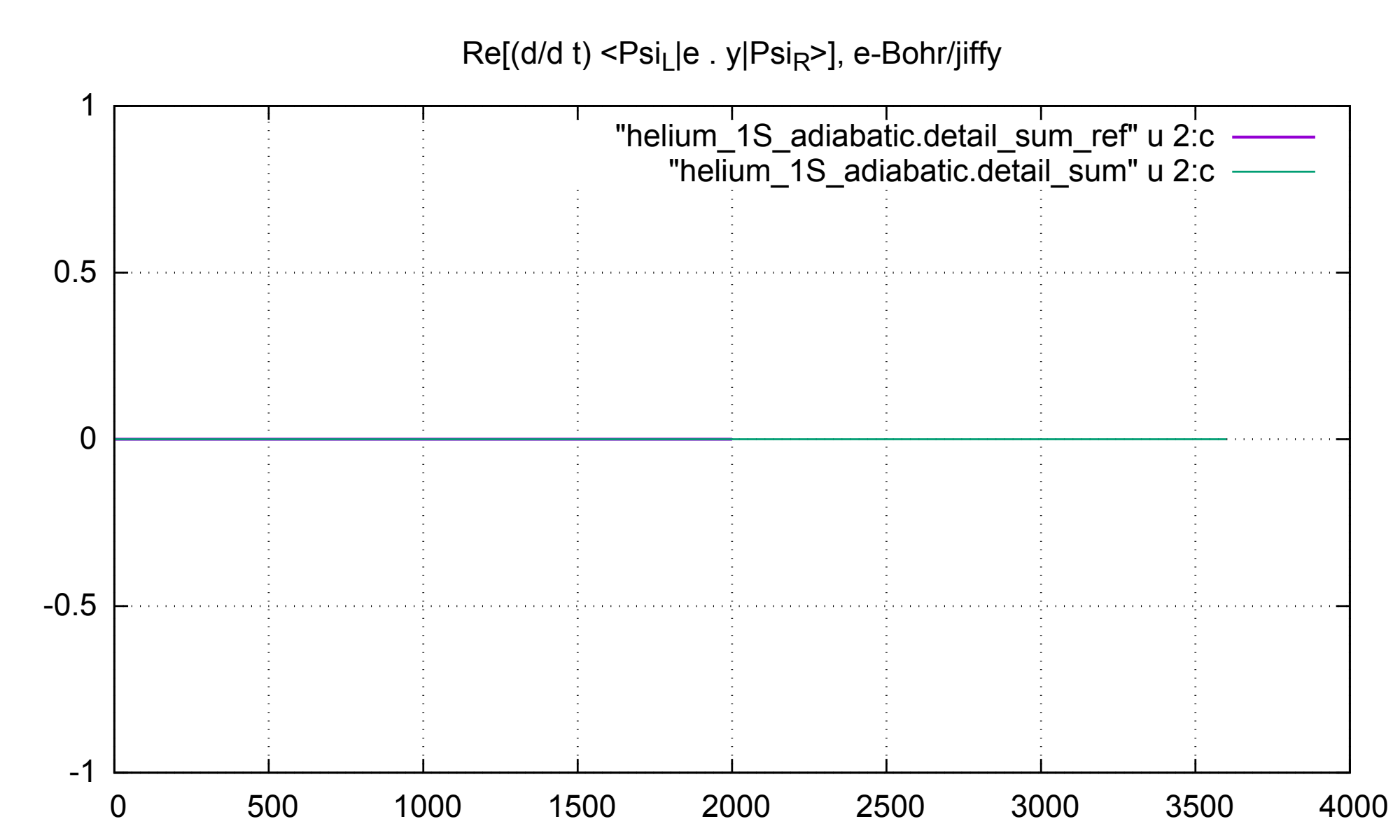

Im[(d^2/d t^2) <Psi_L|e . y|Psi_R>], e-Bohr/jiffy^2
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

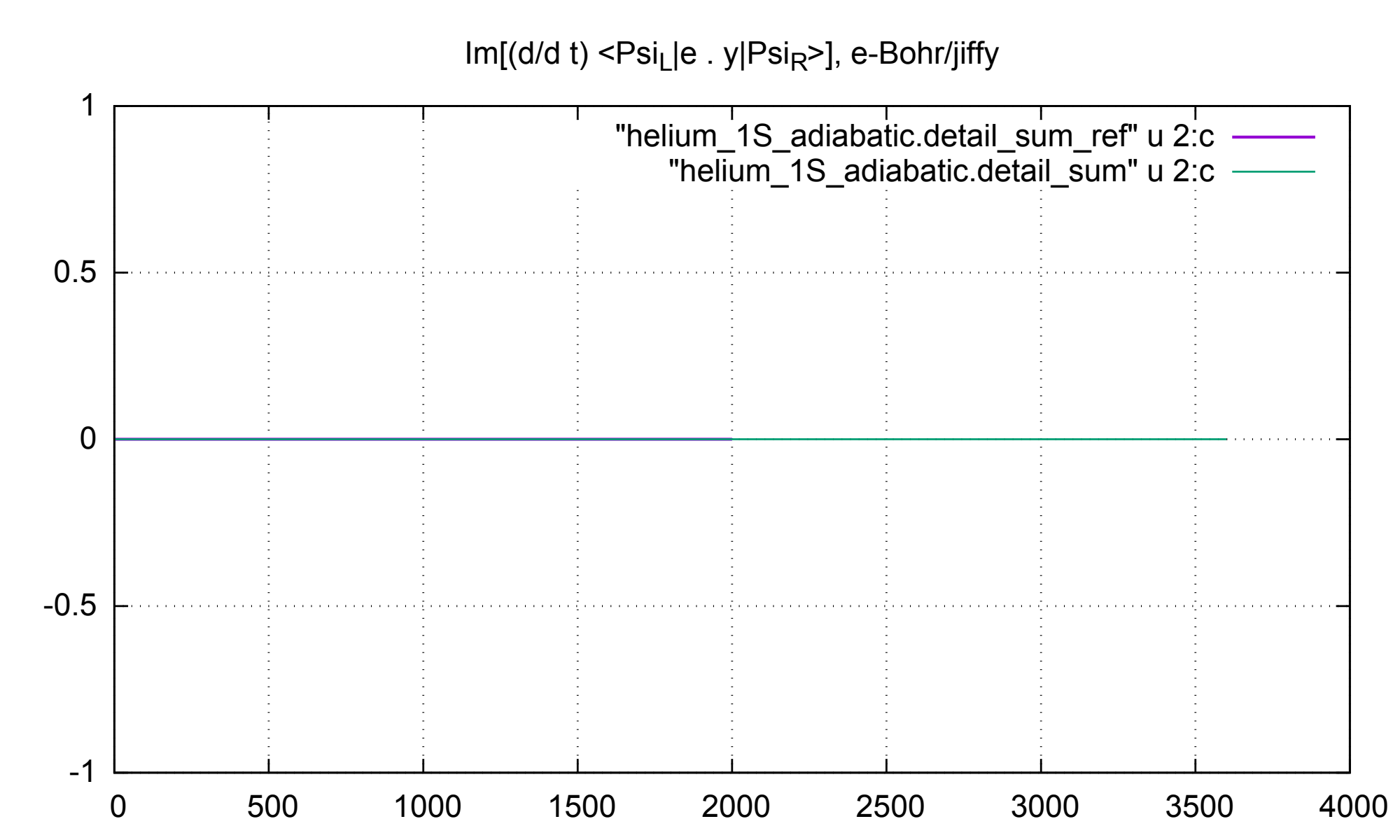

Re[(d^2/d t^2) <Psi_L|e . z|Psi_R>], e-Bohr/jiffy^2
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
2x10^-5
1.5x10^-5
1x10^-5
5x10^-6
0
-5x10^-6
-1x10^-5
-1.5x10^-5
-2x10^-5
0
500
1000
1500
2000
2500
3000
3500
4000

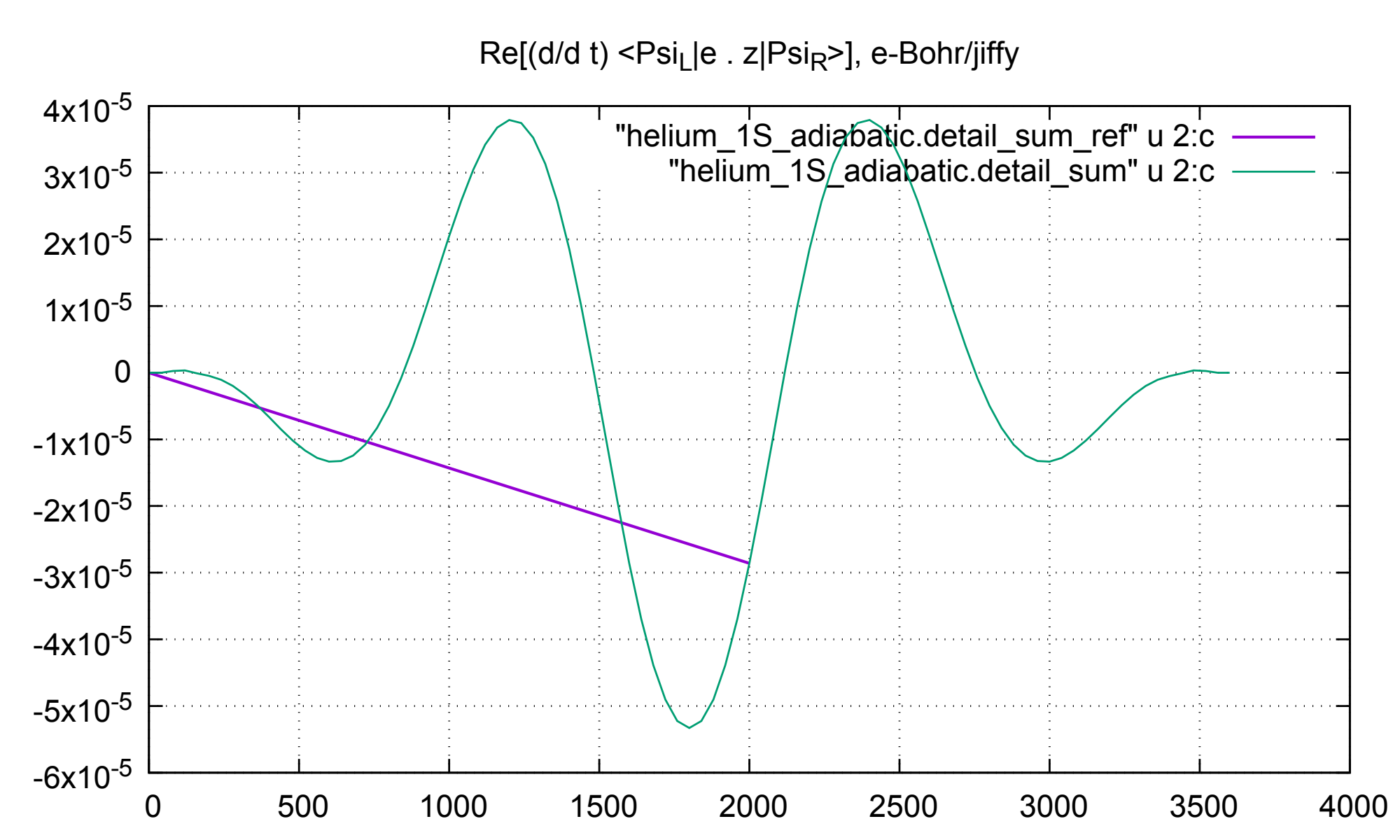

Im[(d^2/d t^2) <Psi_L|e . z|Psi_R>], e-Bohr/jiffy^2
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
0.0015
0.001
0.0005
0
-0.0005
-0.001
-0.0015
-0.002
-0.0025
0
500
1000
1500
2000
2500
3000
3500
4000

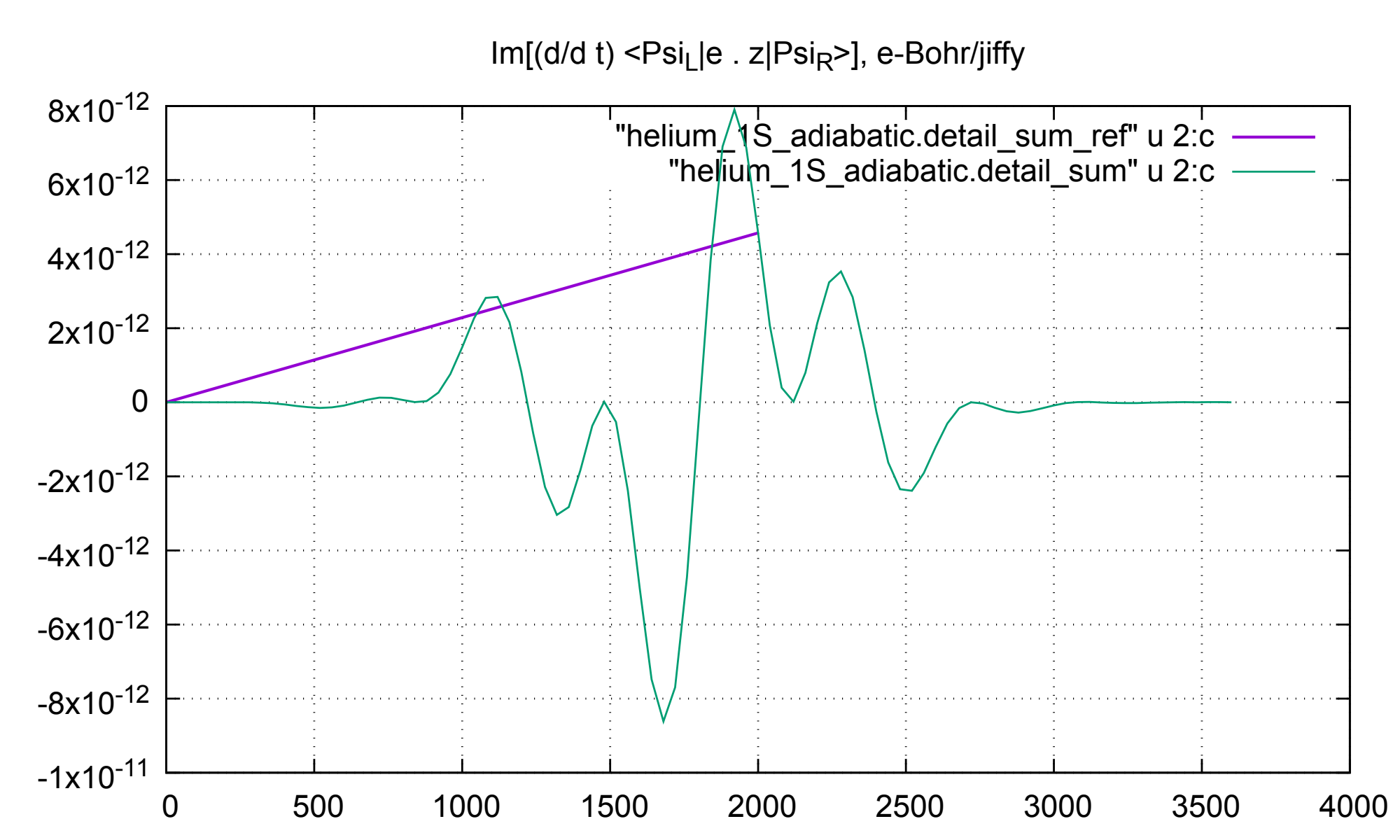

Re[(d/d t) <Psi_L|e . x|Psi_R>], e-Bohr/jiffy
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

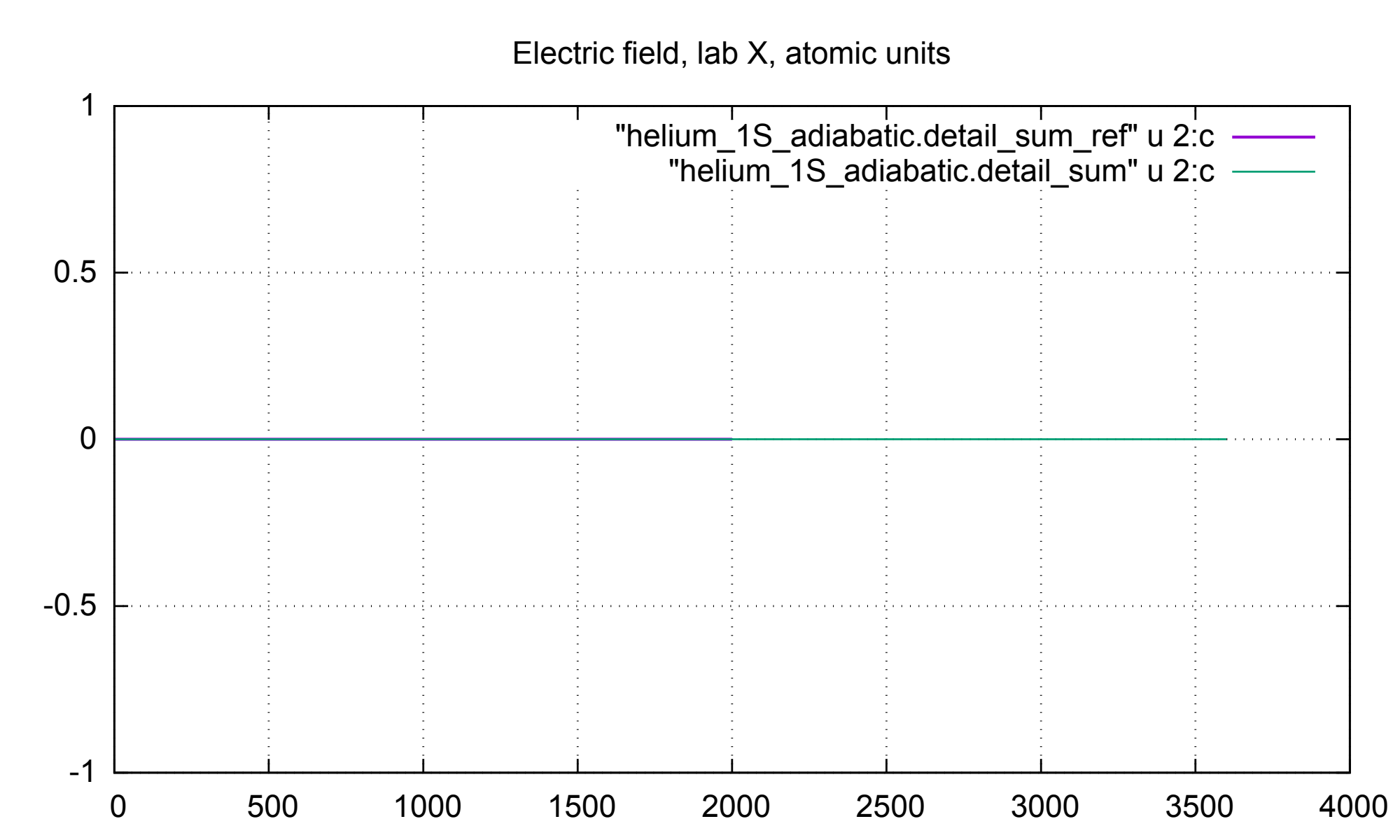

Im[(d/d t) <Psi_L|e . x|Psi_R>], e-Bohr/jiffy
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

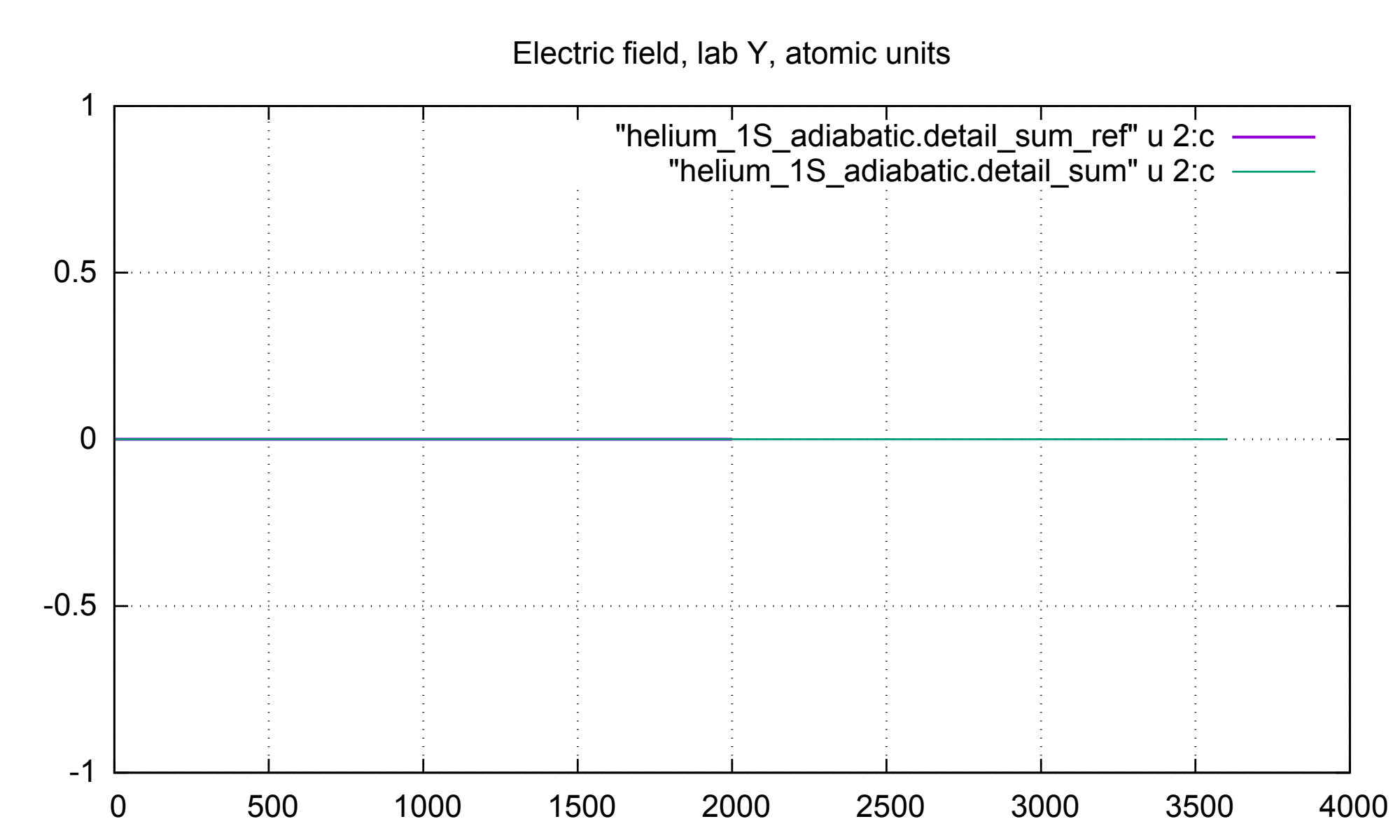

Re[(d/d t) <Psi_L|e . y|Psi_R>], e-Bohr/jiffy
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000

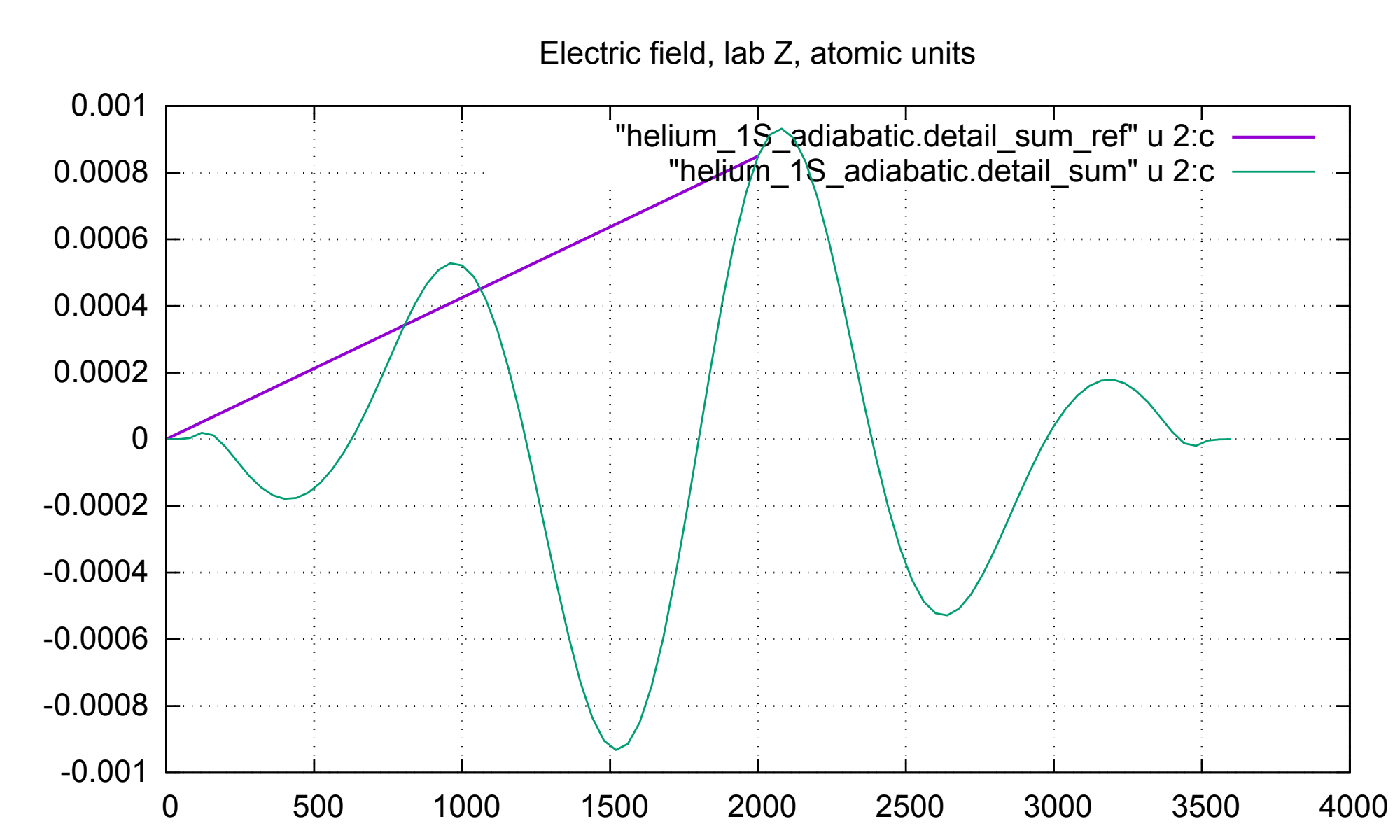

Im[(d/d t) <Psi_L|e . y|Psi_R>], e-Bohr/jiffy
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000


Re[(d/d t) <Psi_L|e . z|Psi_R>], e-Bohr/jiffy
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
4x10^-5
3x10^-5
2x10^-5
1x10^-5
0
-1x10^-5
-2x10^-5
-3x10^-5
-4x10^-5
-5x10^-5
-6x10^-5
0
500
1000
1500
2000
2500
3000
3500
4000


Im[(d/d t) <Psi_L|e . z|Psi_R>], e-Bohr/jiffy
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
8x10^-12
6x10^-12
4x10^-12
2x10^-12
0
-2x10^-12
-4x10^-12
-6x10^-12
-8x10^-12
-1x10^-11
0
500
1000
1500
2000
2500
3000
3500
4000


Electric field, lab X, atomic units
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000


Electric field, lab Y, atomic units
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
1
0.5
0
-0.5
-1
0
500
1000
1500
2000
2500
3000
3500
4000


Electric field, lab Z, atomic units
"helium_1S_adiabatic.detail_sum_ref" u 2:c
"helium_1S_adiabatic.detail_sum" u 2:c
0.001
0.0008
0.0006
0.0004
0.0002
0
-0.0002
-0.0004
-0.0006
-0.0008
-0.001
0
500
1000
1500
2000
2500
3000
3500
4000