```
> ESTexp:=7918.1*icm2eV;
```
ESTexp := 0.981719

```
> E1:=ReadValue("CASsto.out","EIGENVALUE",'format'="%f")*hartree2eV;
  E2:=ReadValue("CASsto_triplet.out","EIGENVALUE",'format'="%f")*hartree2eV;
  E2-E1;
  printpsi("CASsto.out");
```
E1 := -4019.300387
E2 := -4020.339045
-1.038659

```
 0.780  11111ab0  2   2
 0.390  11111010  1   3
-0.390  11111100  1   1
-0.193  111ab110  2  17
```

```
> E1:=ReadValue("CASc3.out","EIGENVALUE",'format'="%f")*hartree2eV;
  E2:=ReadValue("CASc3_triplet.out","EIGENVALUE",'format'="%f")*hartree2eV;
  E2-E1;
```
E1 := -4074.149556
E2 := -4075.104676
-0.955120

```
> E1:=ReadValue("XMCQDPT2c3.out"," E(MP2)=",'format'="%f")*hartree2eV;
  E2:=ReadValue("XMCQDPT2c3_triplet.out"," E(MP2)=",'format'="%f")*hartree2eV;
  E2-E1;
```
E1 := -4085.066670
E2 := -4086.093871
-1.027200

Excited singlet

```
> E1:=ReadValue("CASsto_exc1.out","1)     EIGENVALUE",'format'="%f")*hartree2eV;
  printpsi("CASsto_exc1.out",1);
  E2:=ReadValue("CASsto_exc1.out","2)     EIGENVALUE",'format'="%f")*hartree2eV;
  printpsi("CASsto_exc1.out",2);
  E2-E1;
```
E1 := -4019.300387

```
 0.956  11111ab0  2   2
-0.237  111ab110  2  17
```

E2 := -4018.744186

```
 0.668  11111100  1   1
 0.668  11111010  1   3
-0.191  11110110  1  10
-0.191  11101110  1  26
```

0.556201