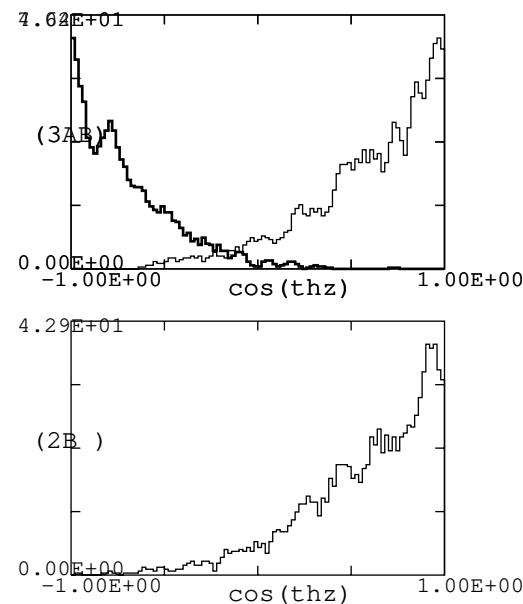
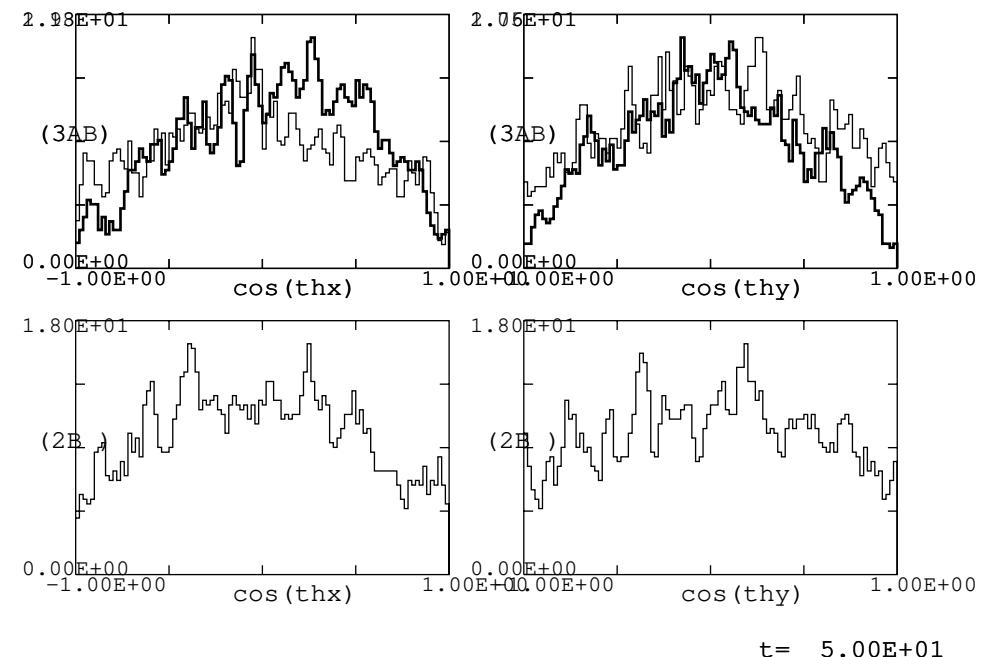
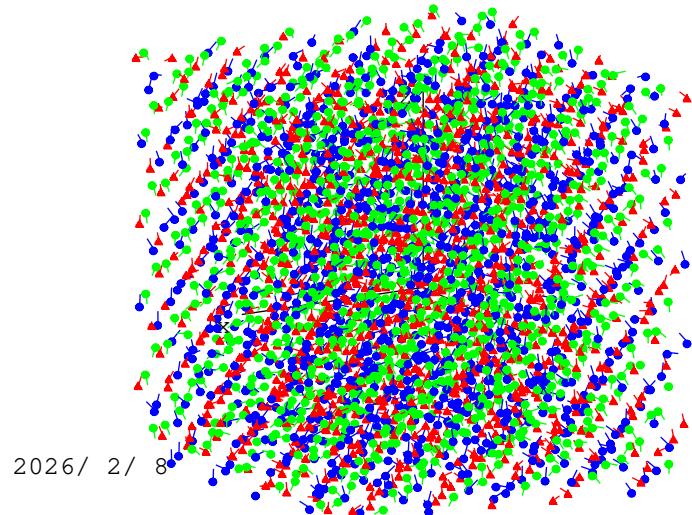


```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

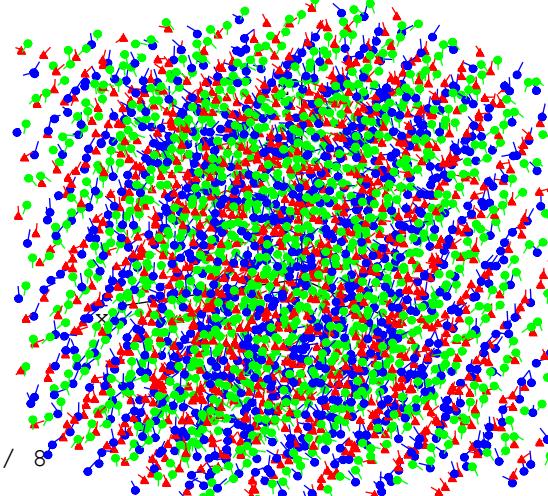
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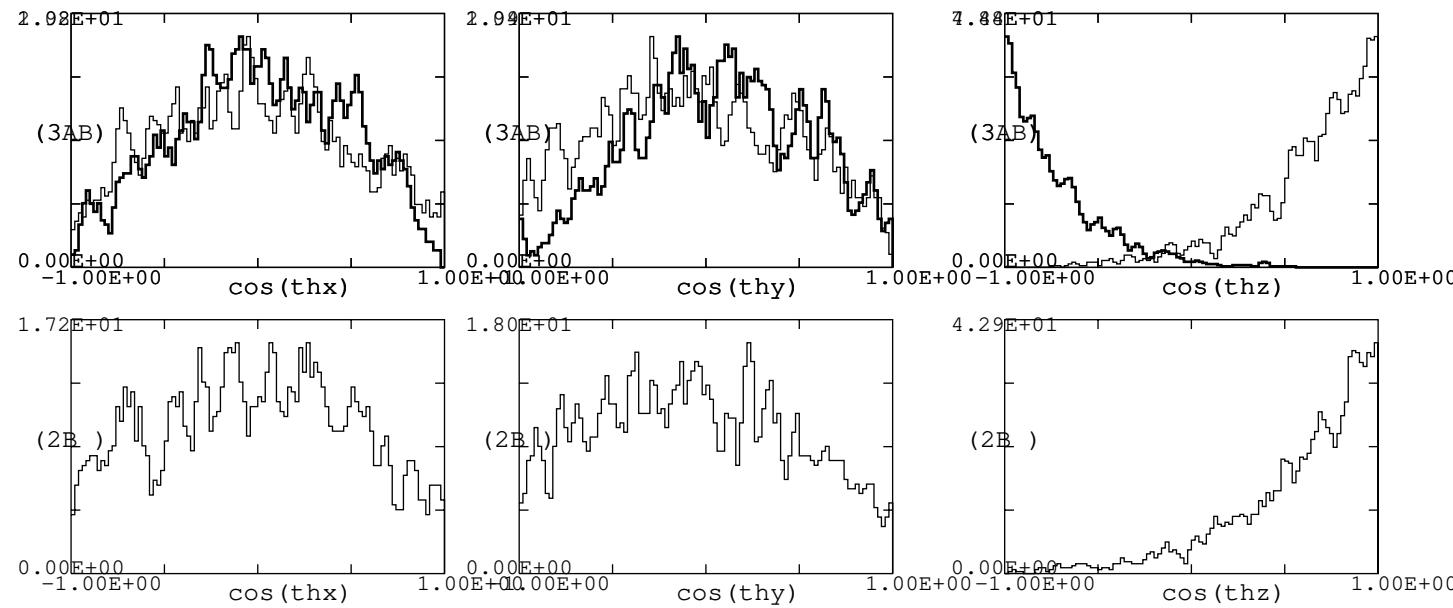


```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```

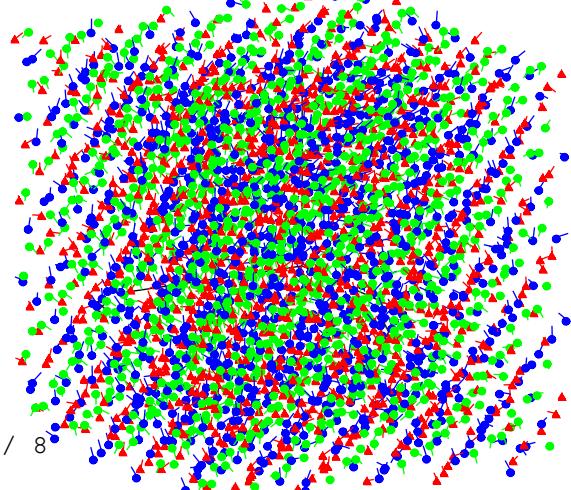




$t = 1.00E+02$

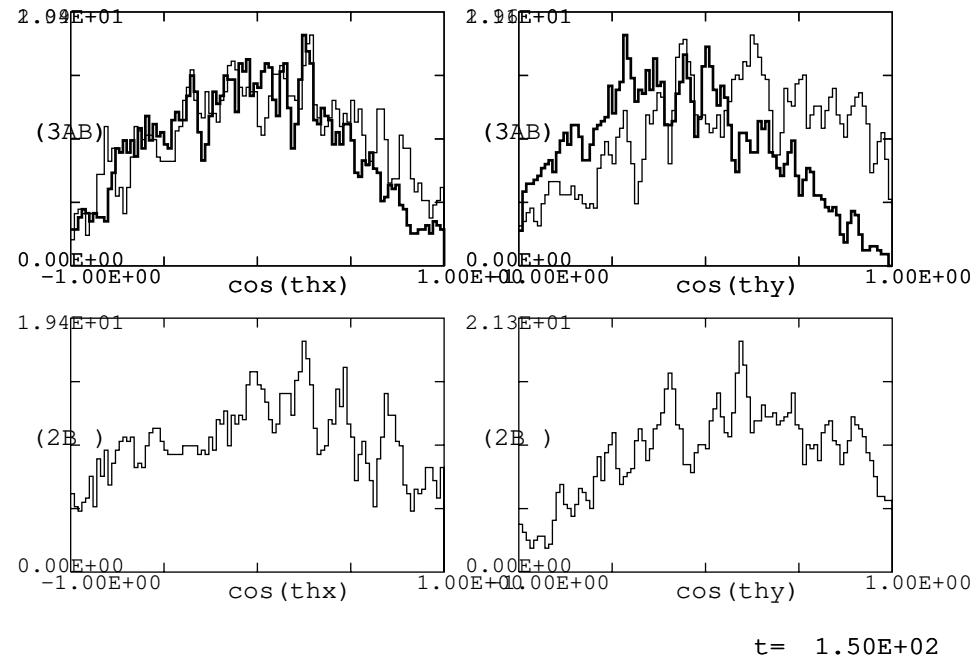
$t = 1.00E+02$

```
sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01
dt= 1.00E-03
tau_b=4.00E+02
```

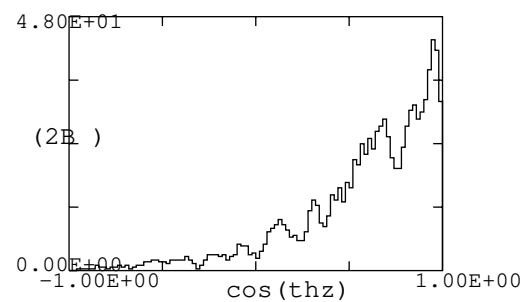
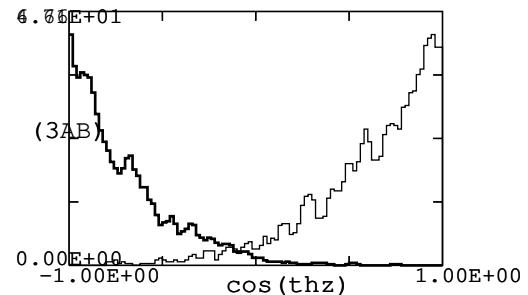


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time=1.50E+02



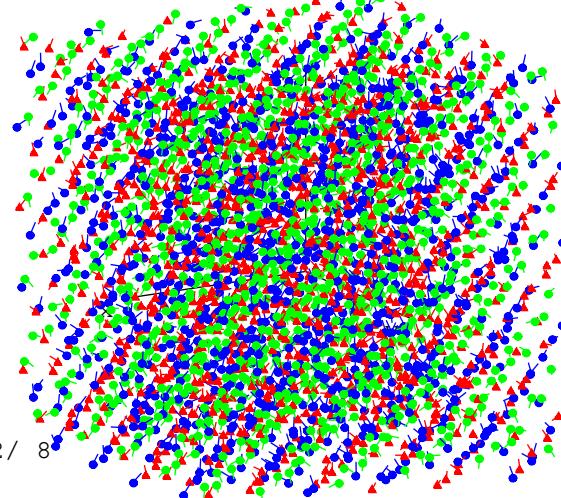
$t = 1.50E+02$



```

sp3_nucl      /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np=   3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt=   1.00E-03
                                         tau_b=4.00E+02

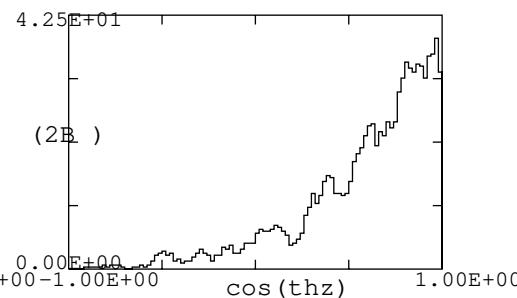
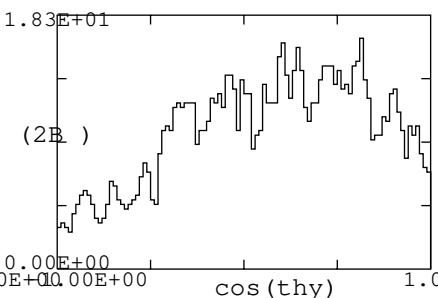
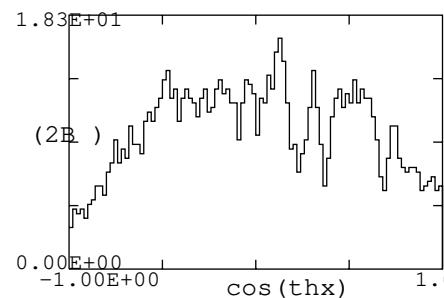
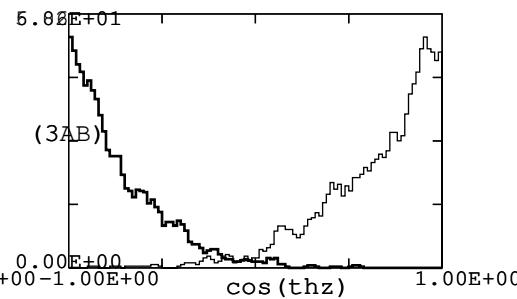
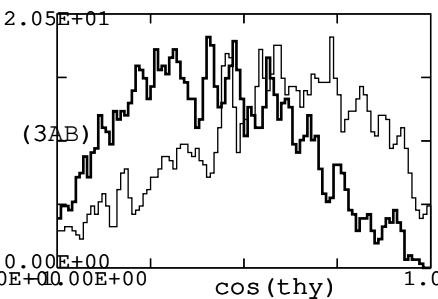
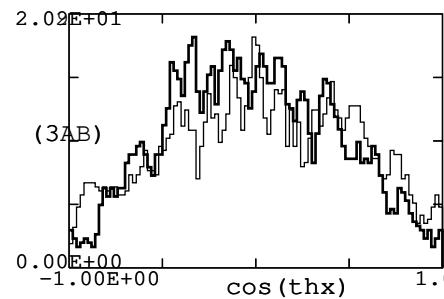
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$t = 1.50E+02$

time= $2.00E+02$



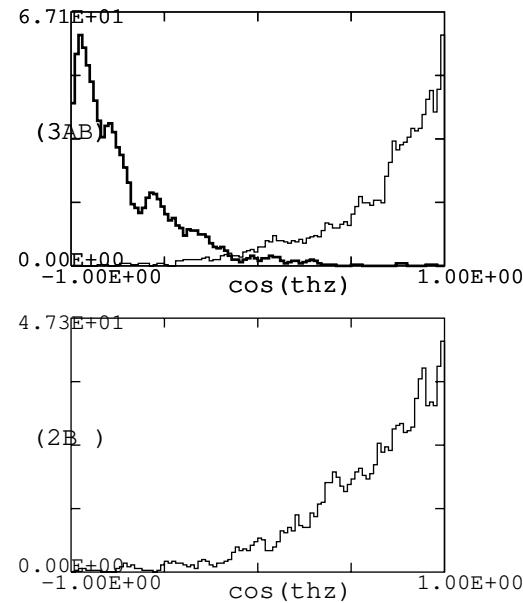
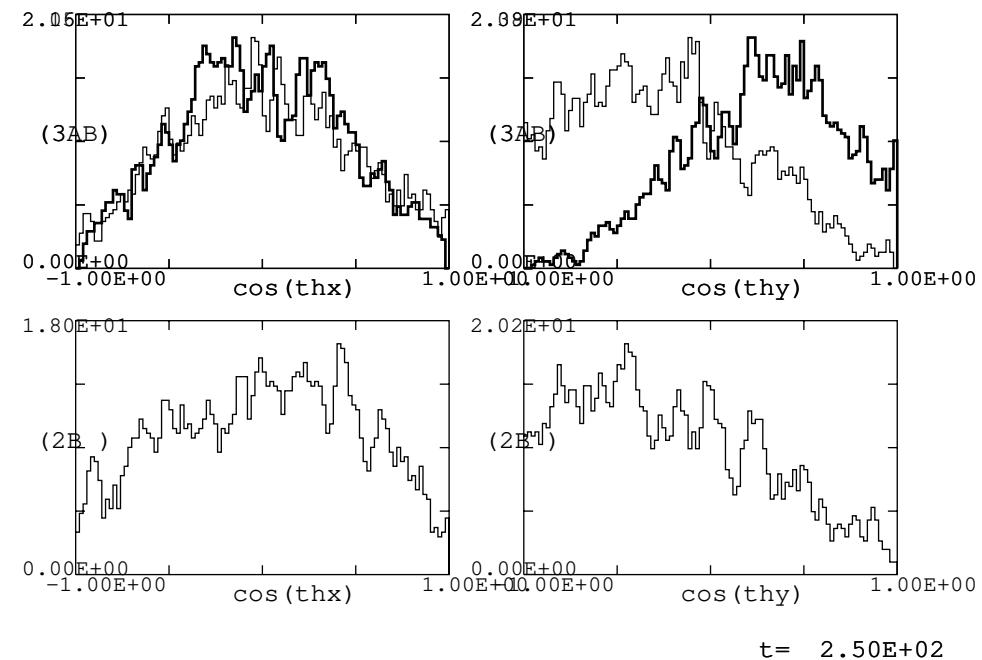
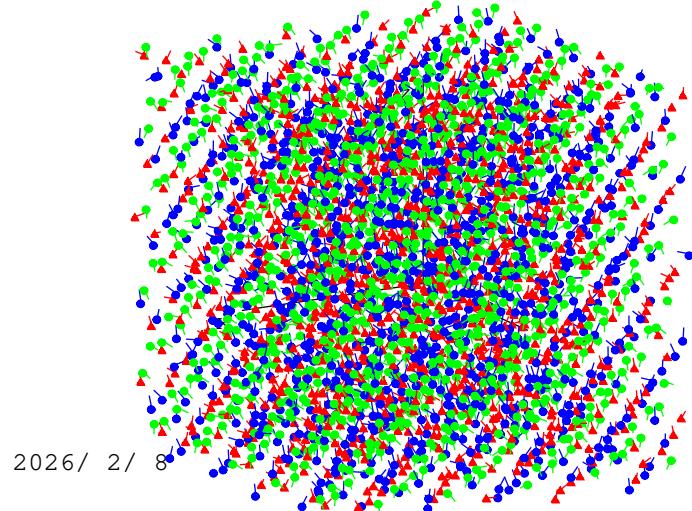
$t = 2.00E+02$

$t = 2.00E+02$

```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

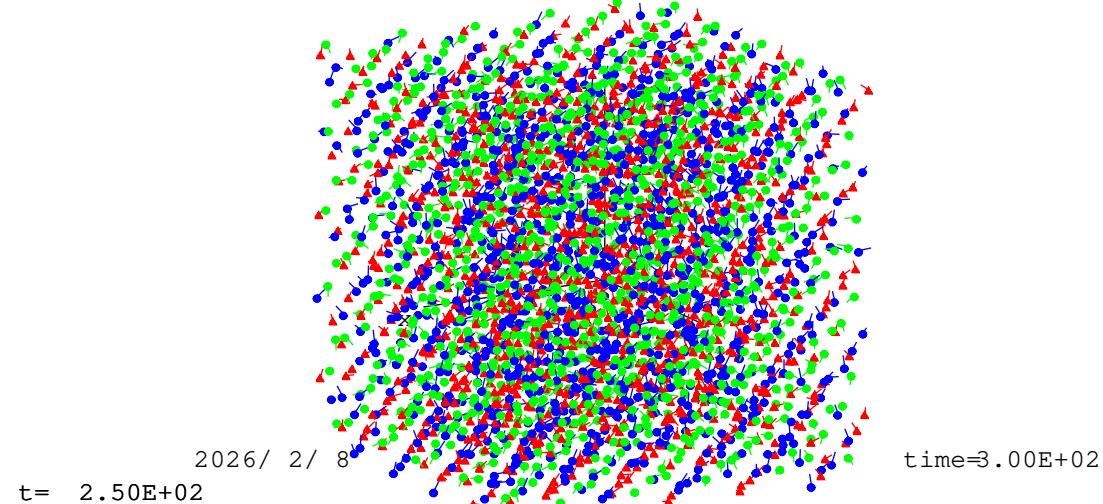
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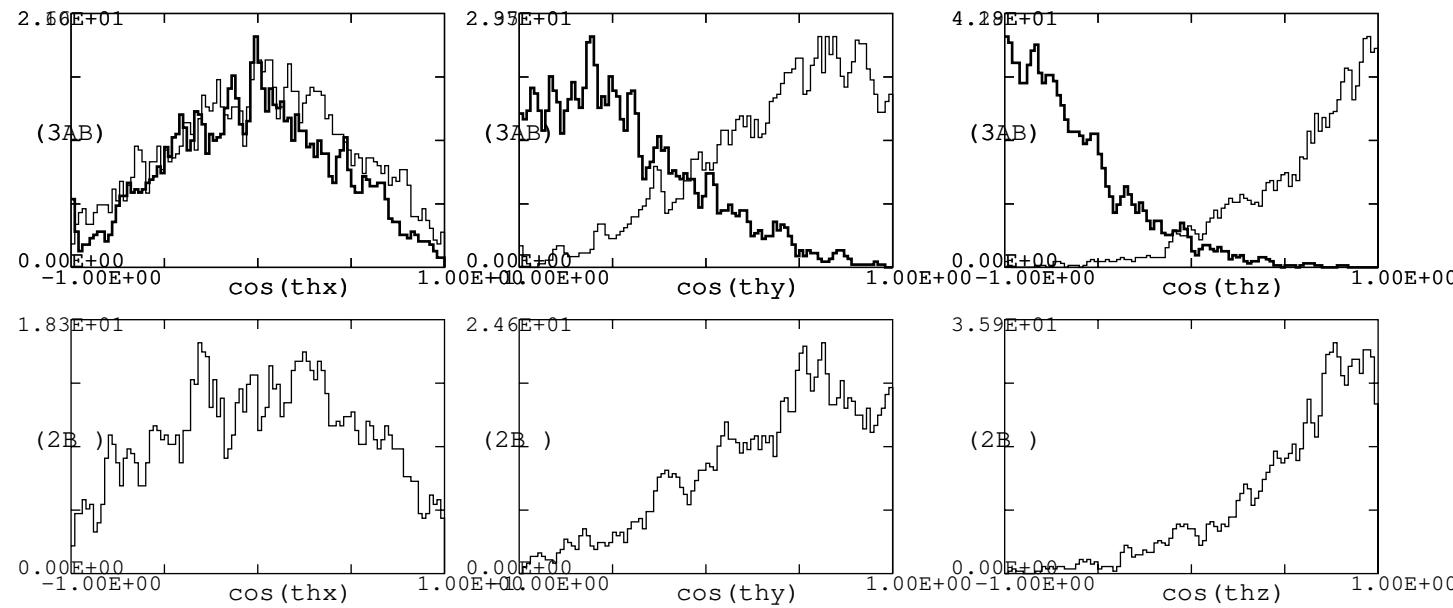


```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```

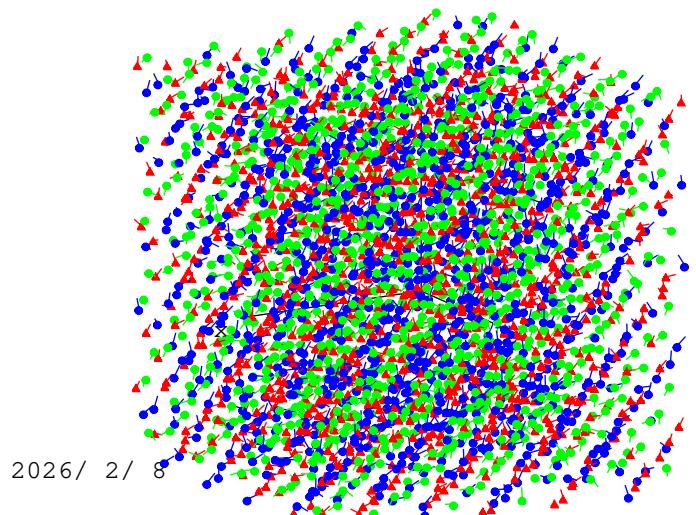




$t = 3.00E+02$

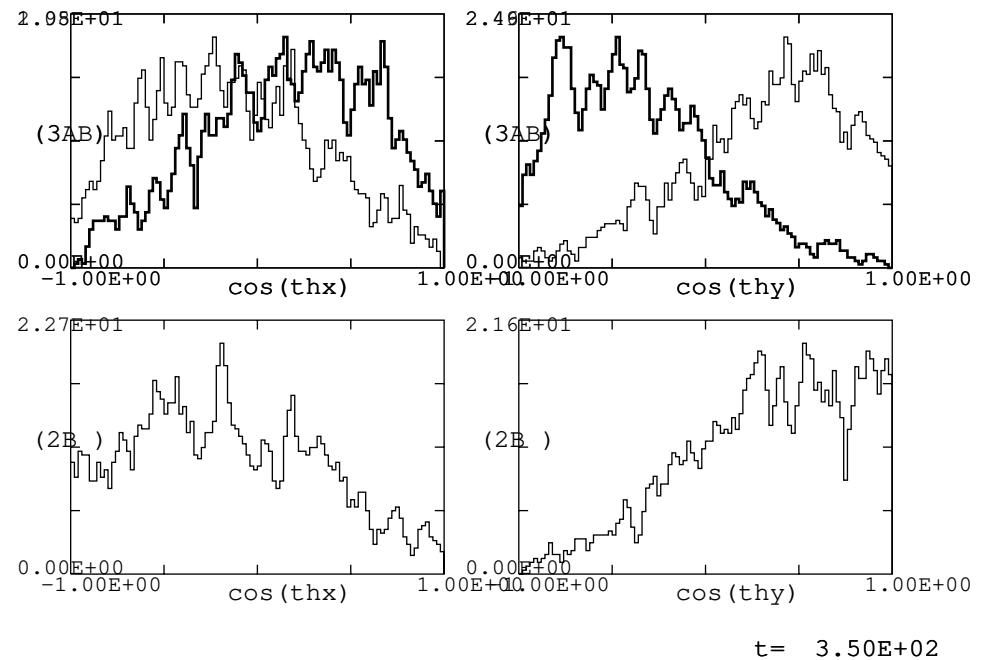
$t = 3.00E+02$

```
sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01
dt= 1.00E-03
tau_b=4.00E+02
```

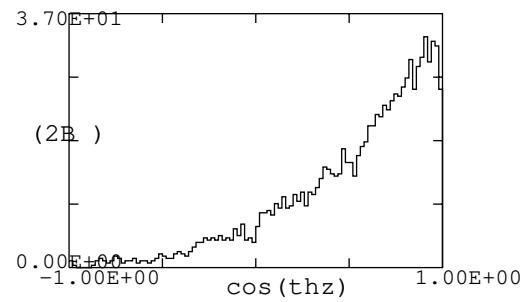
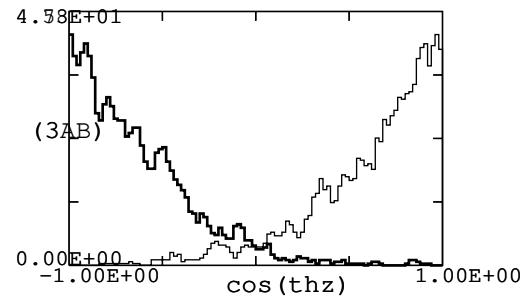


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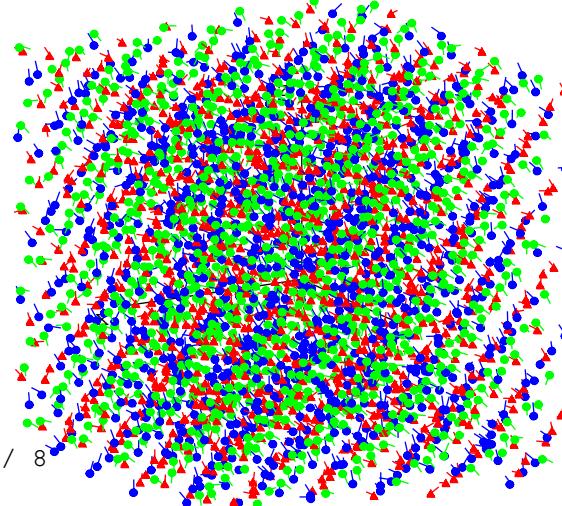
time=3.50E+02



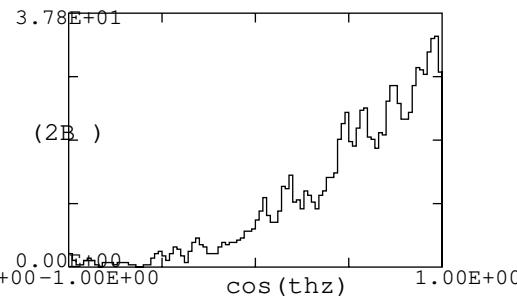
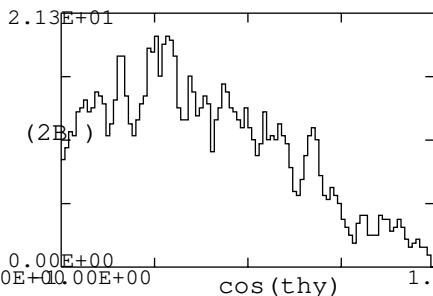
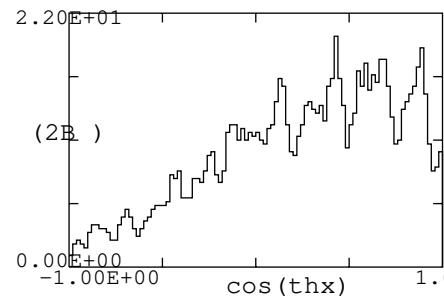
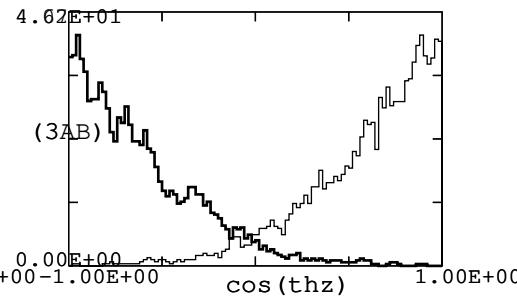
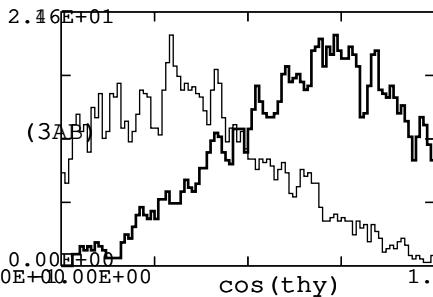
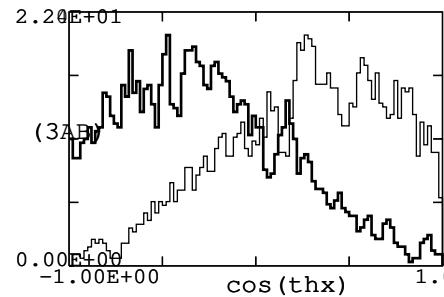
$t = 3.50E+02$



```
sp3_nucl      /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02
```



t= 3.50E+02



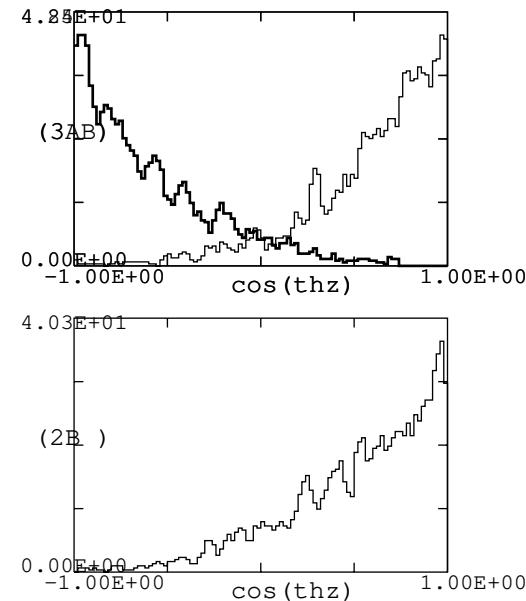
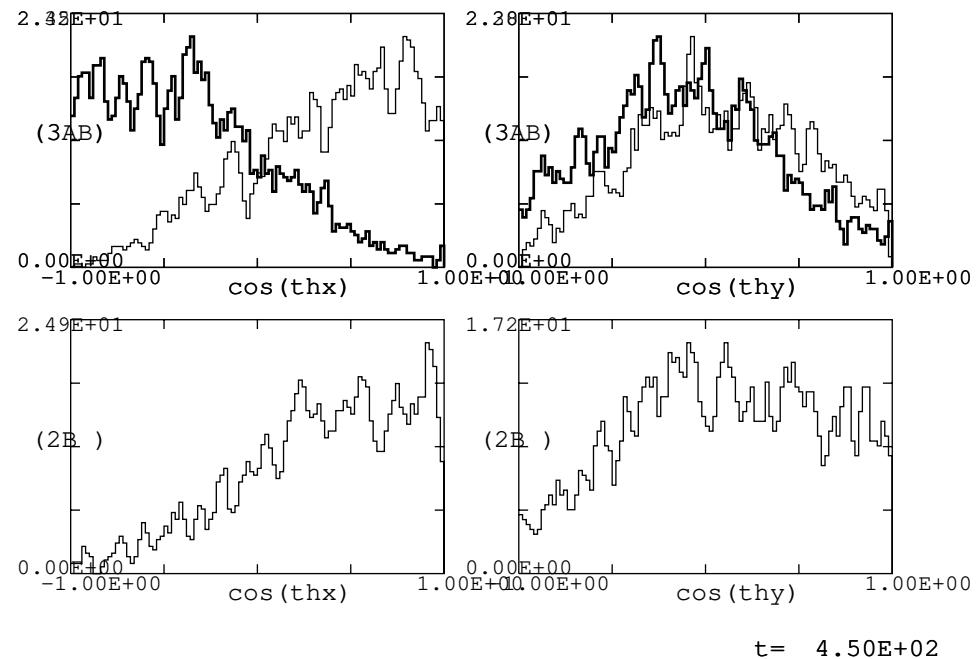
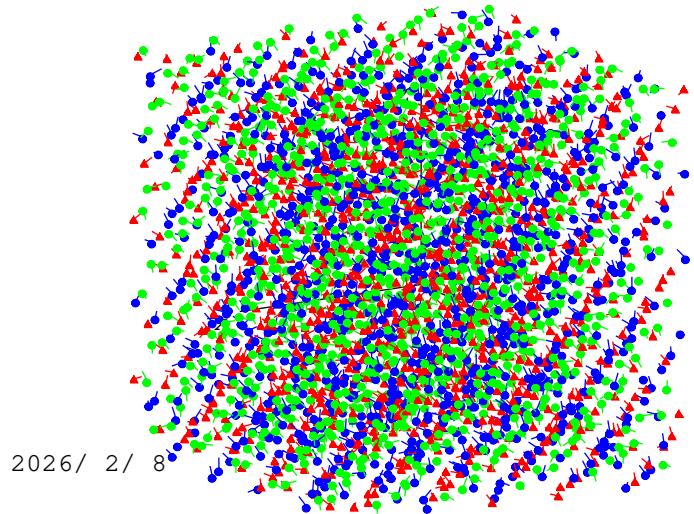
t= 4.00E+02

t= 4.00E+02

```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

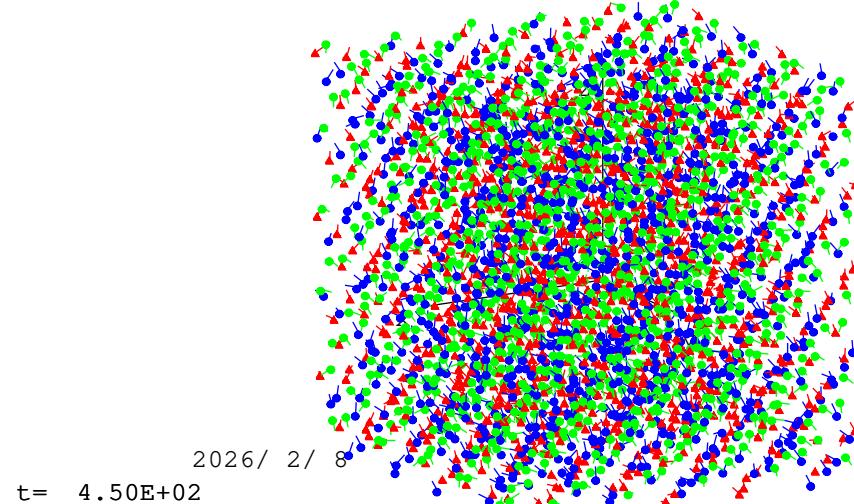
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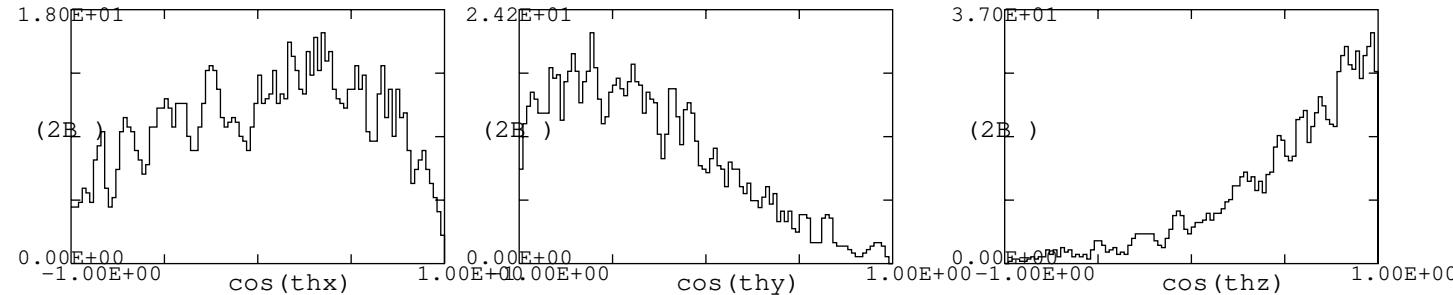
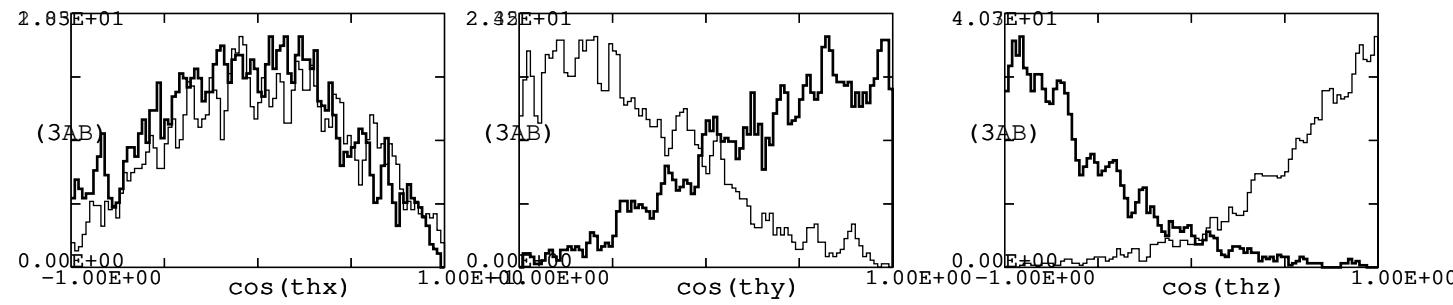


```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```

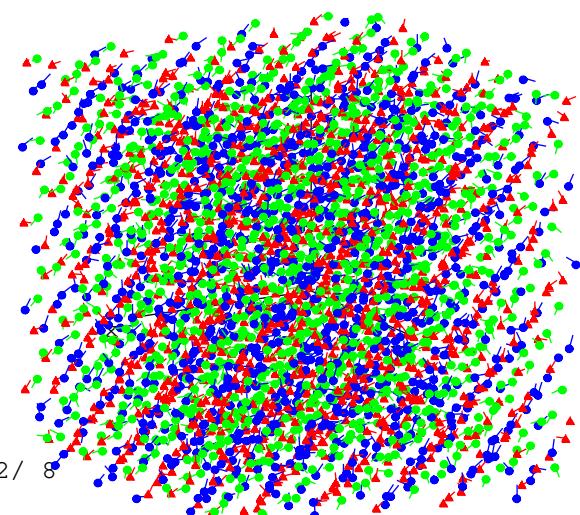




$t = 5.00E+02$

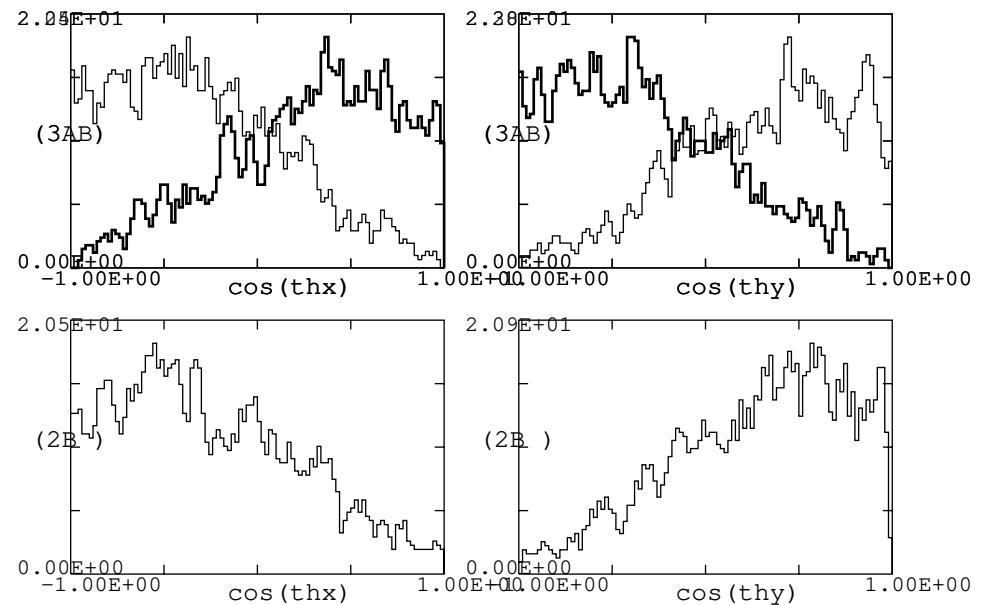
$t = 5.00E+02$

```
sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01
dt= 1.00E-03
tau_b=4.00E+02
```

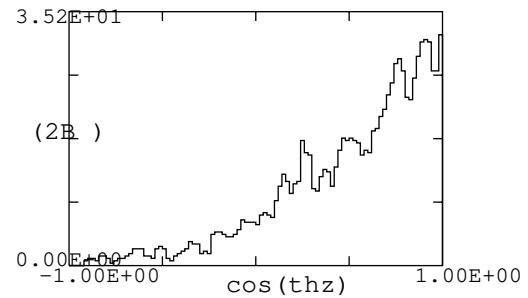
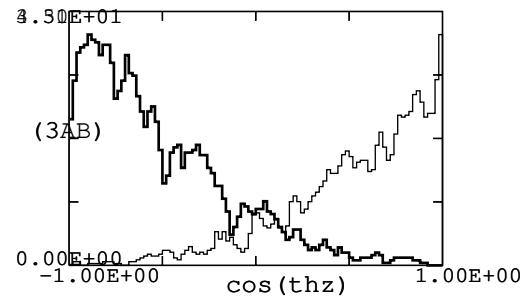


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time=5.50E+02



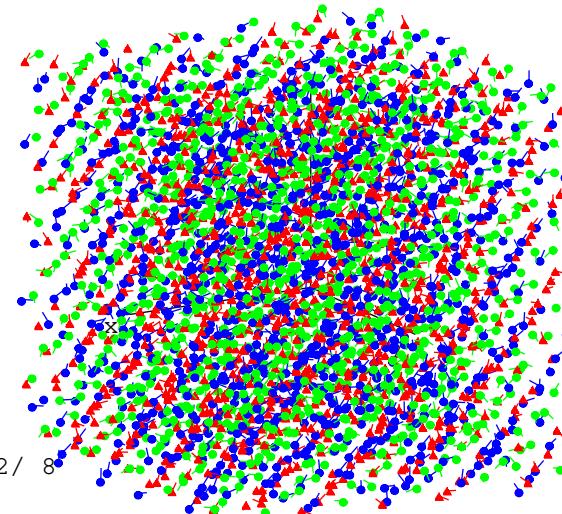
$t = 5.50E+02$



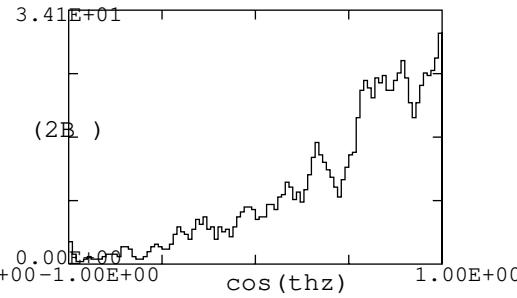
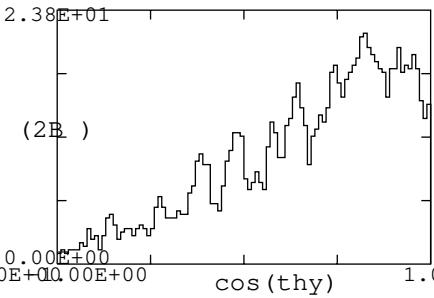
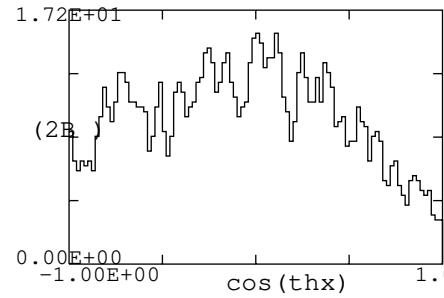
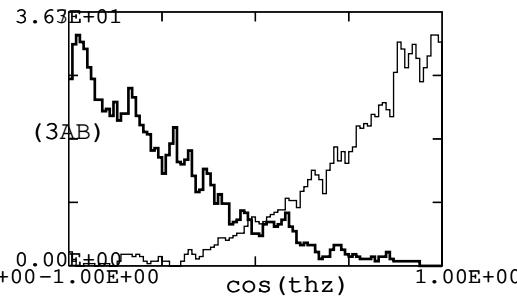
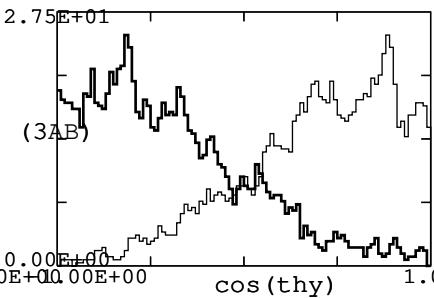
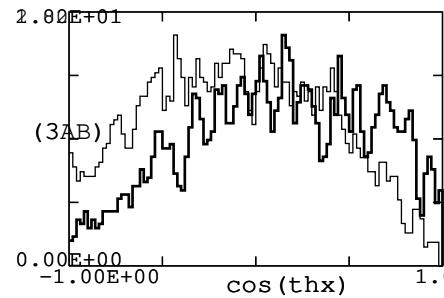
```

sp3_nucl      /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np=   3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt=   1.00E-03
                                         tau_b=4.00E+02

```



time=6.00E+02



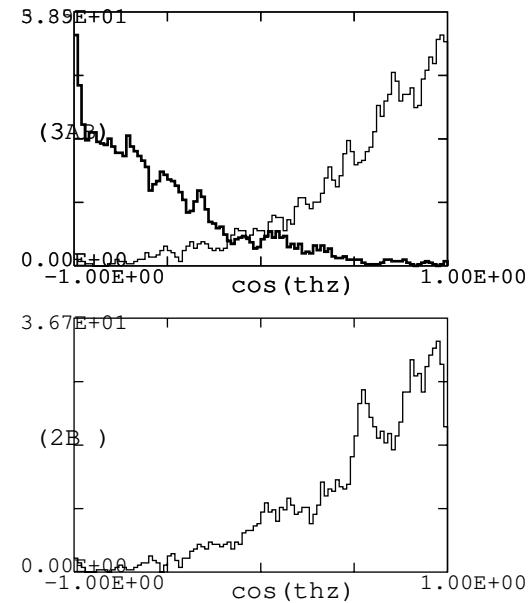
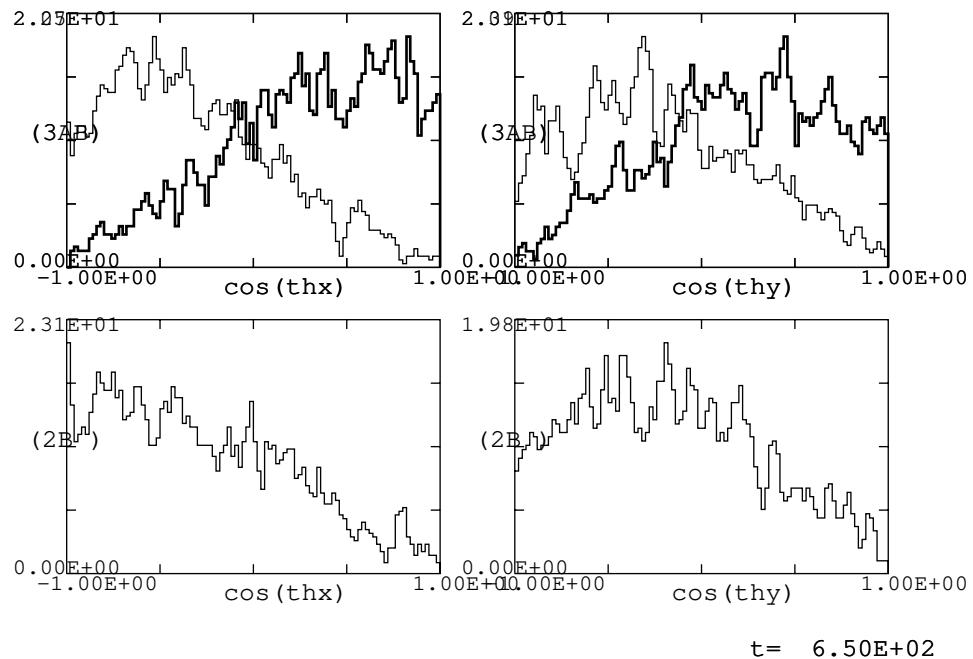
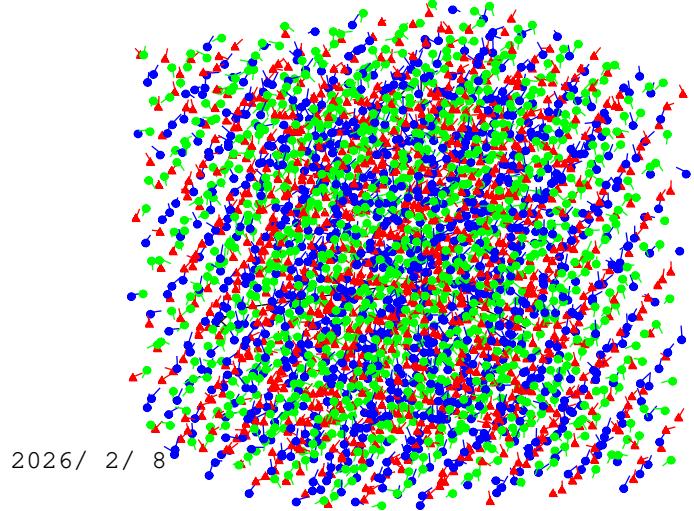
$t = 6.00E+02$

$t = 6.00E+02$

```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

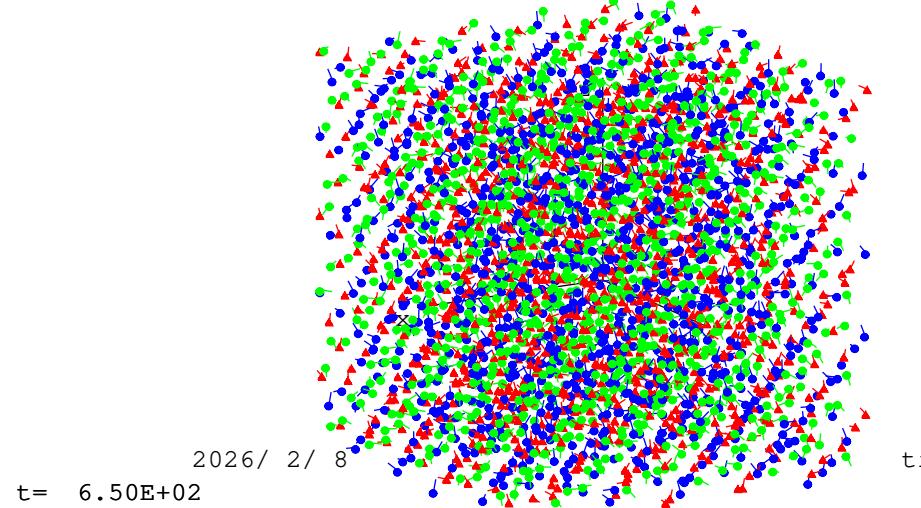
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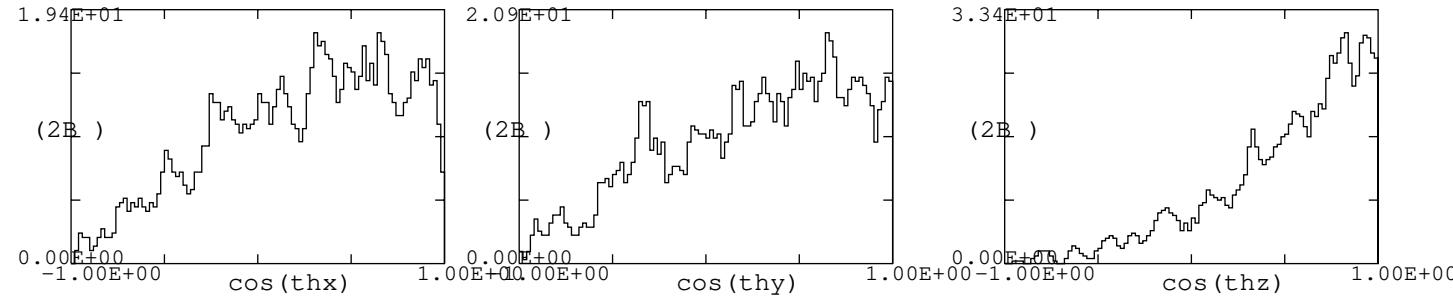
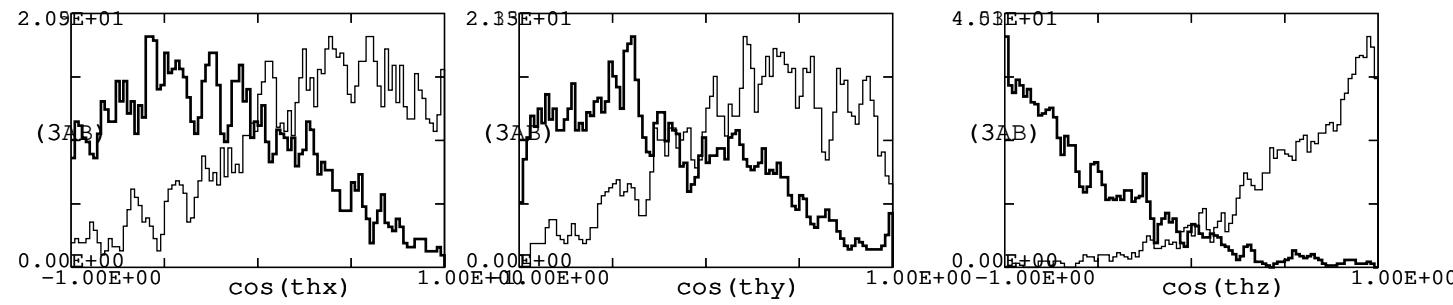


```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```

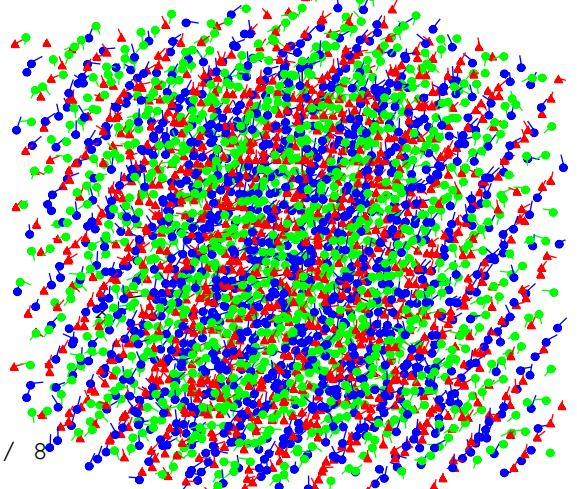




$t = 7.00E+02$

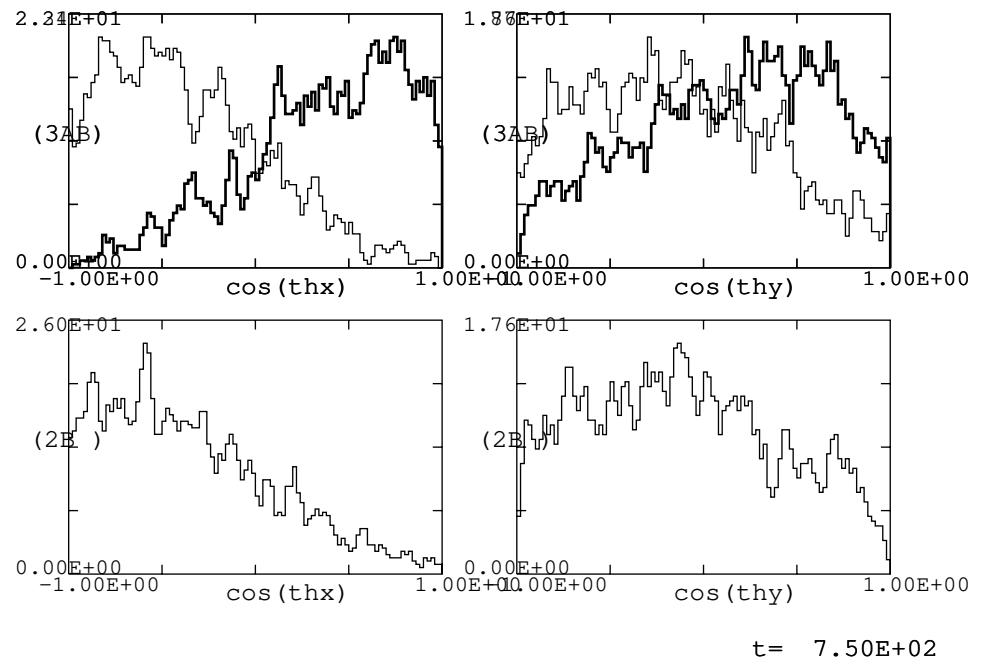
$t = 7.00E+02$

```
sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01
dt= 1.00E-03
tau_b=4.00E+02
```

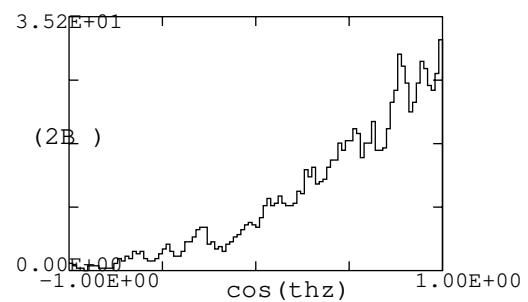
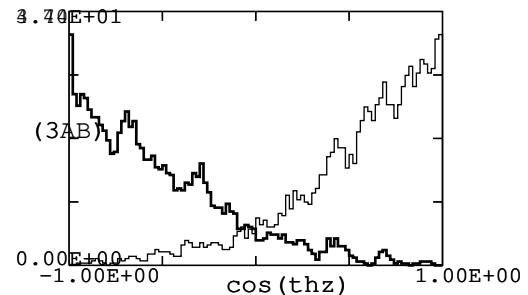


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time=7.50E+02



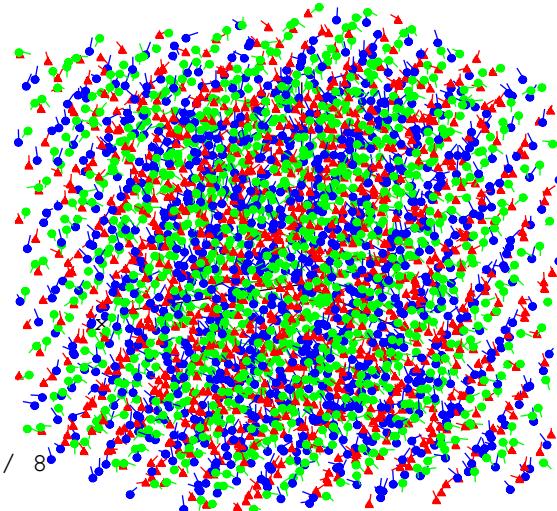
$t = 7.50E+02$



```

sp3_nucl      /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np=   3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt=   1.00E-03
                                         tau_b=4.00E+02

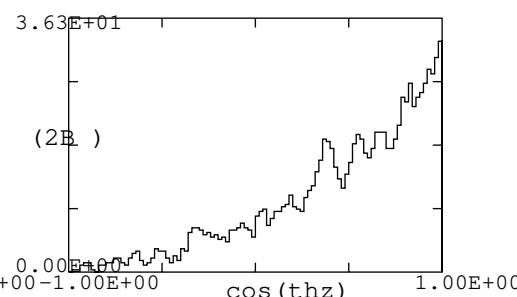
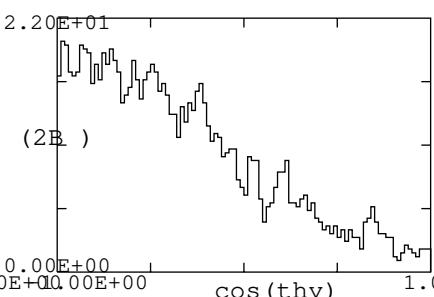
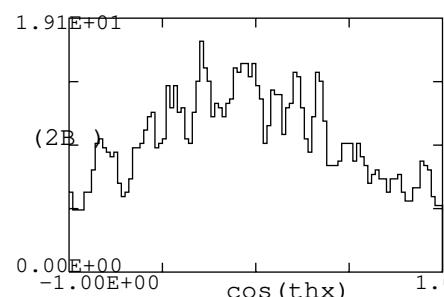
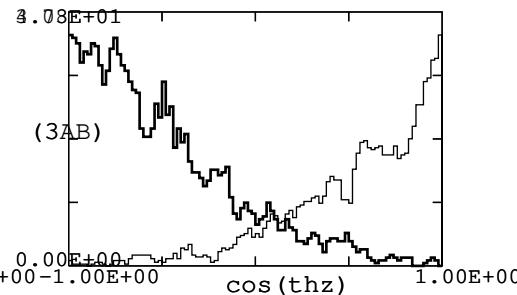
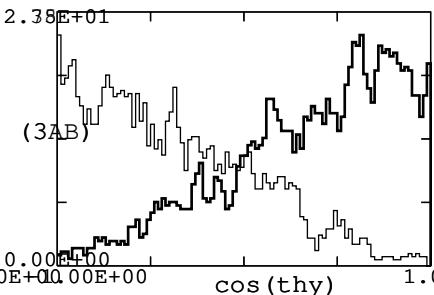
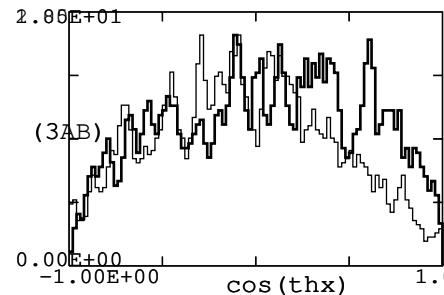
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$t= 7.50E+02$

$time=8.00E+02$



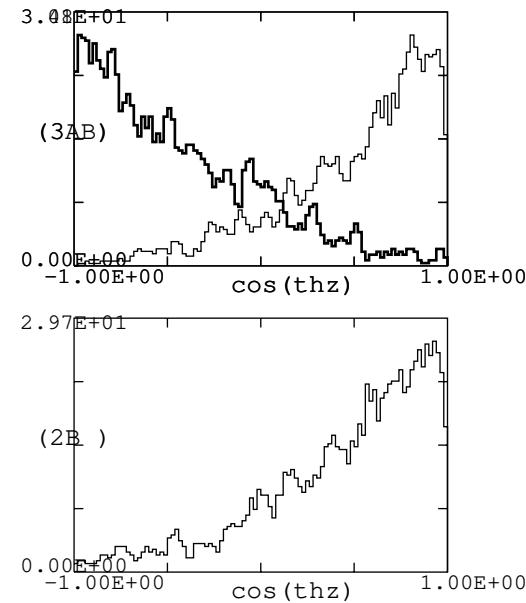
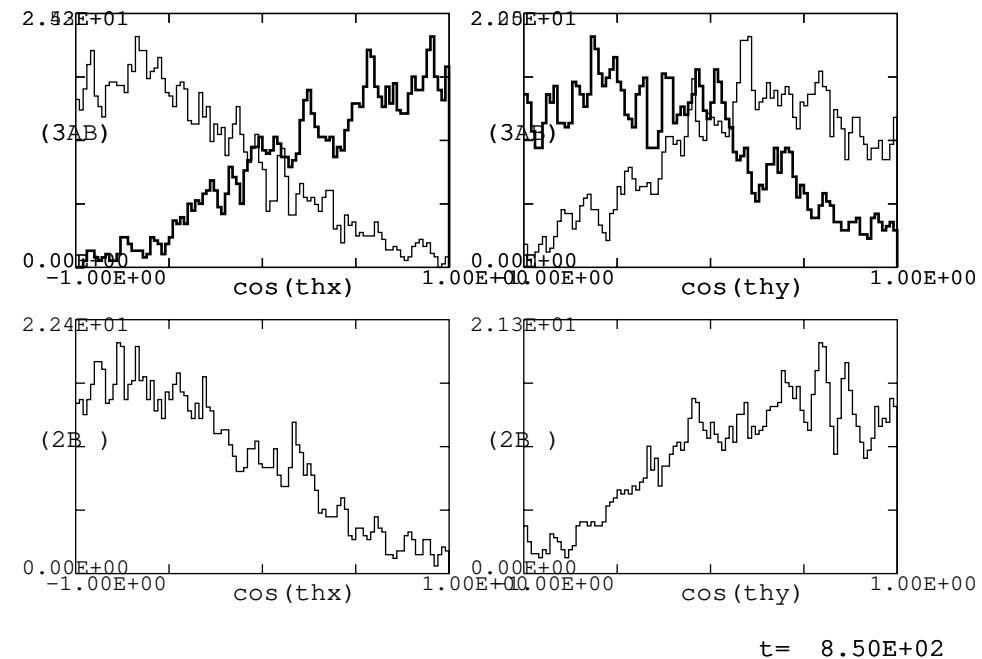
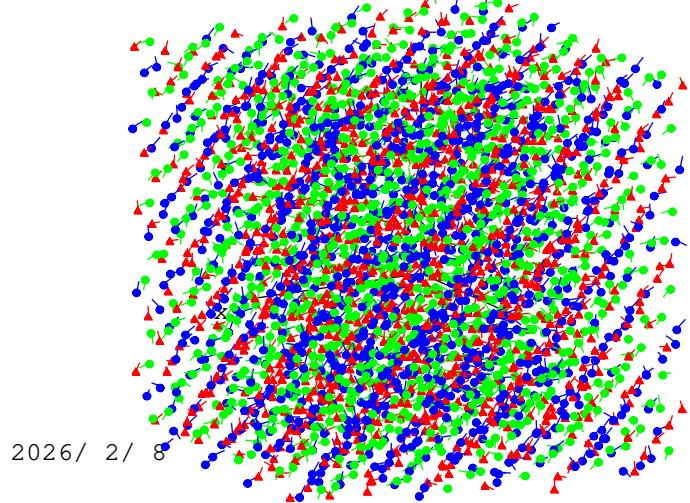
$t= 8.00E+02$

$t= 8.00E+02$

```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

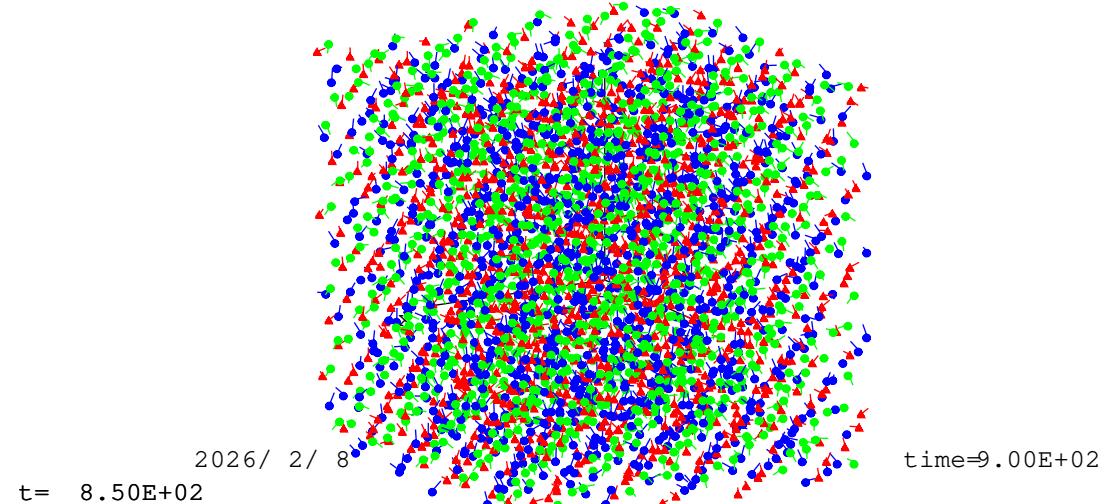
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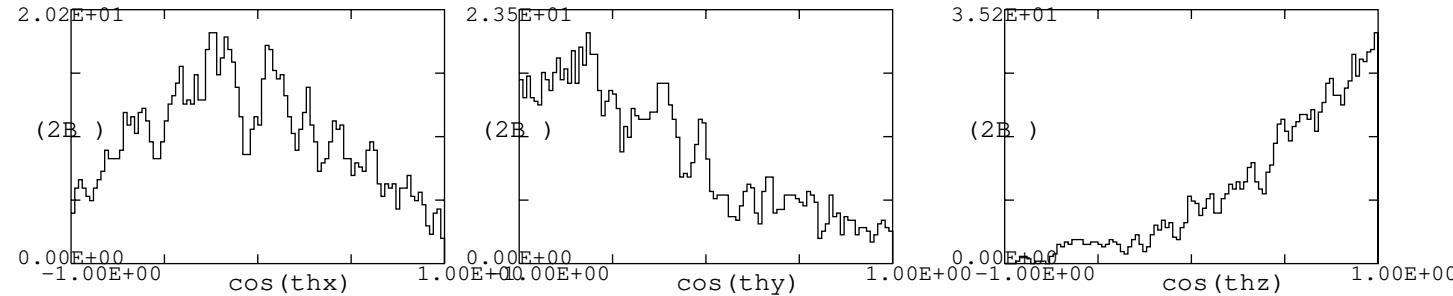
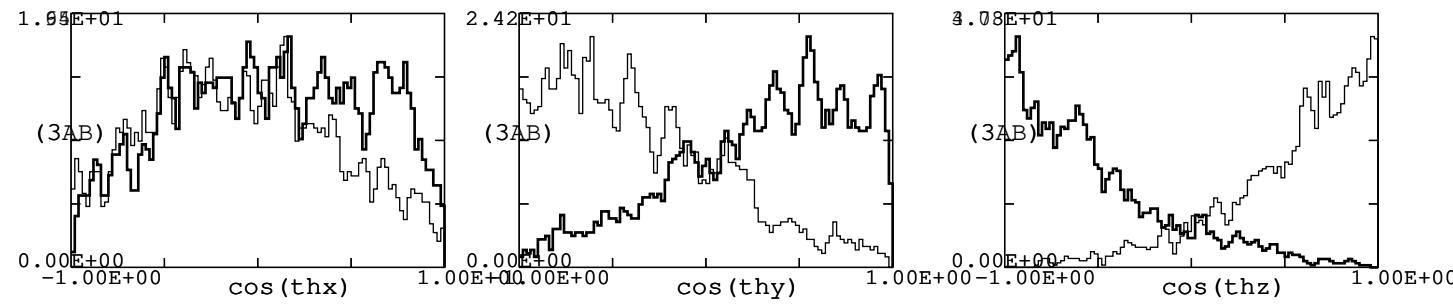


```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```

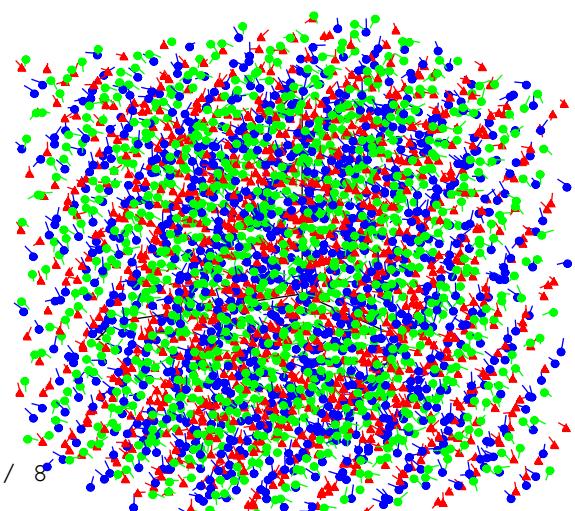




$t = 9.00E+02$

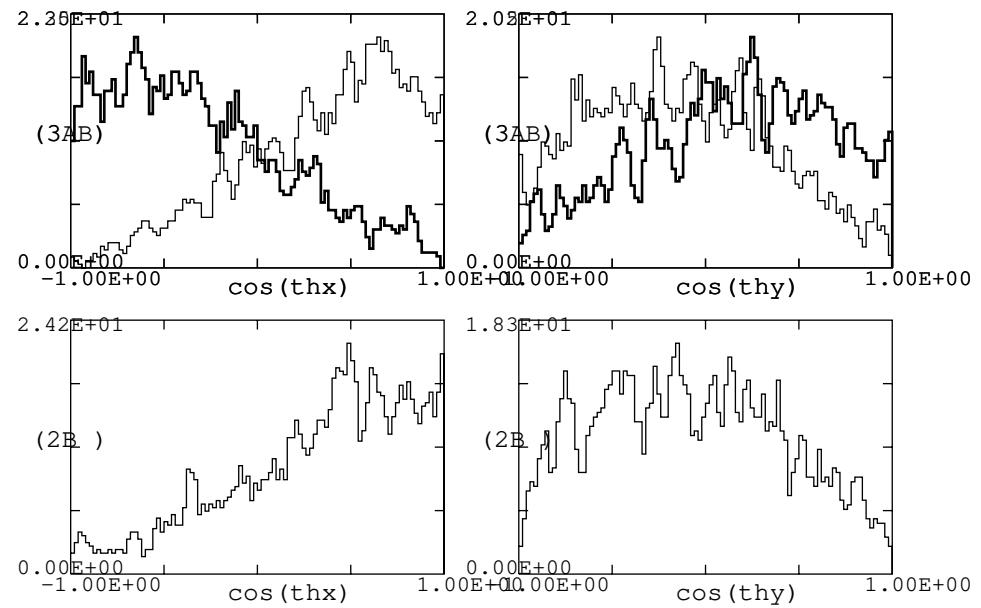
$t = 9.00E+02$

```
sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01
dt= 1.00E-03
tau_b=4.00E+02
```

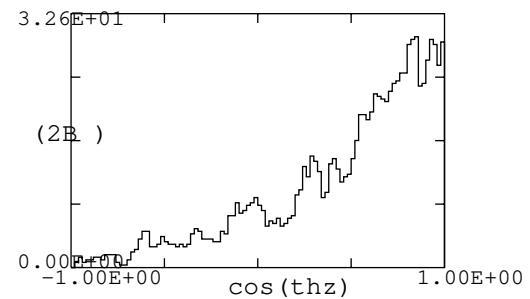
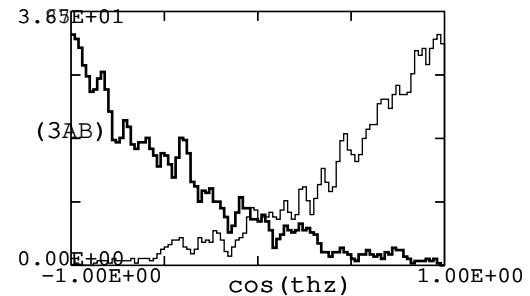


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time=9.50E+02



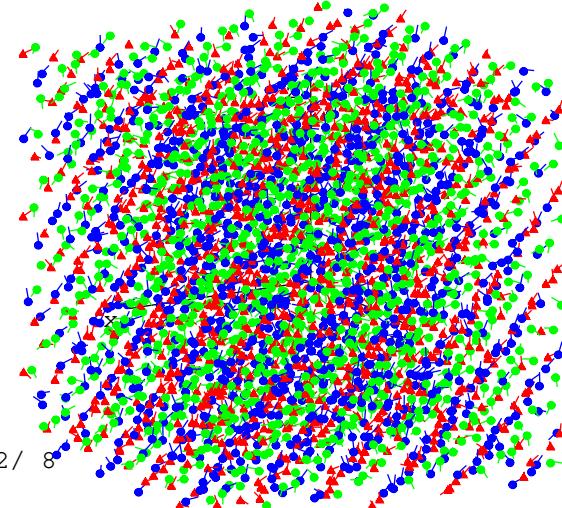
$t = 9.50E+02$



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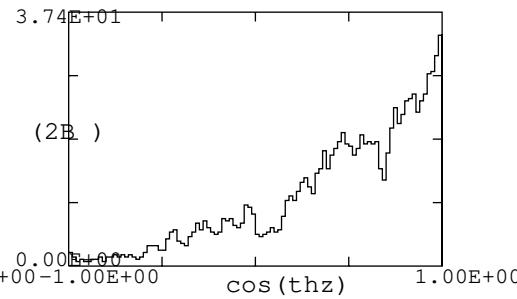
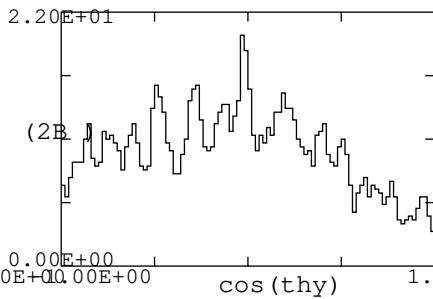
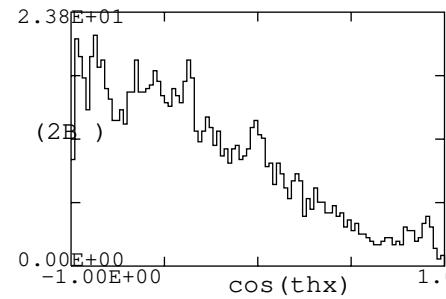
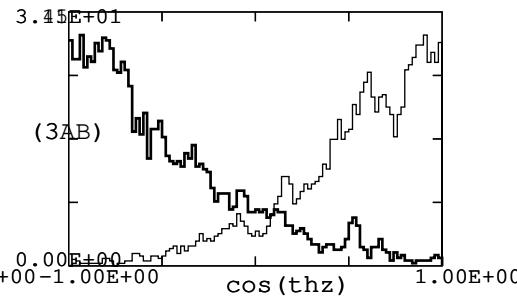
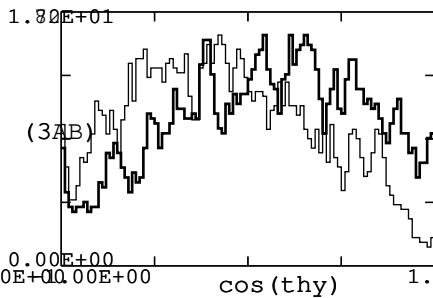
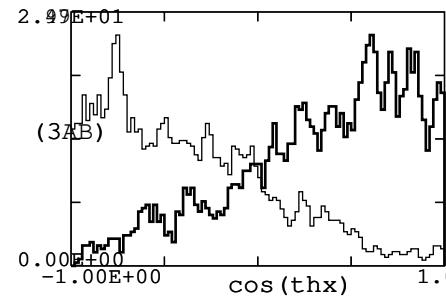
sp3_nucl      /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np=   3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt=   1.00E-03
                                         tau_b=4.00E+02

```



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t= 9.50E+02



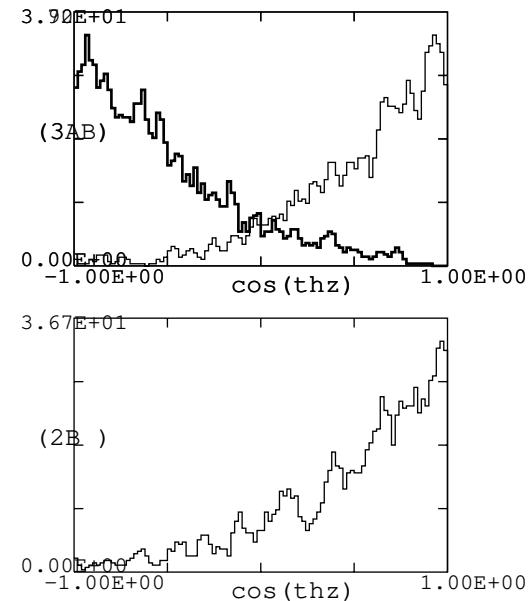
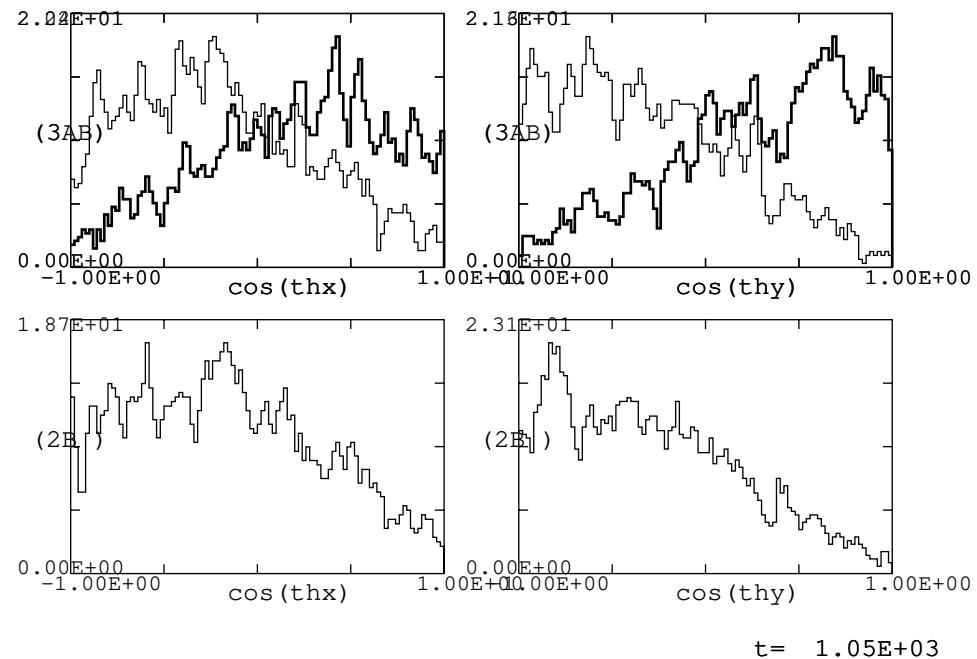
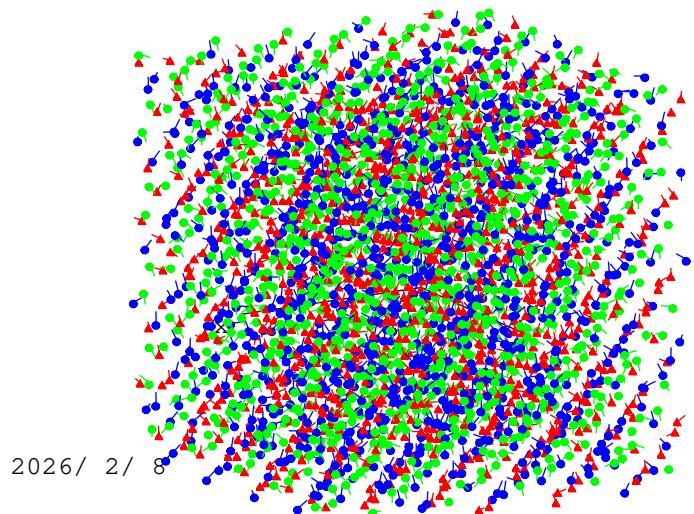
t= 1.00E+03

t= 1.00E+03

```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

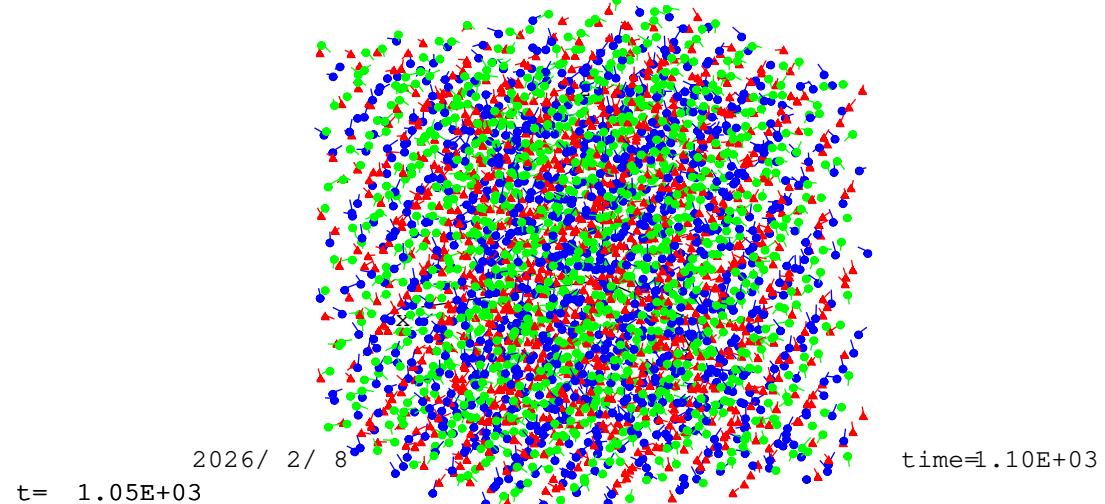
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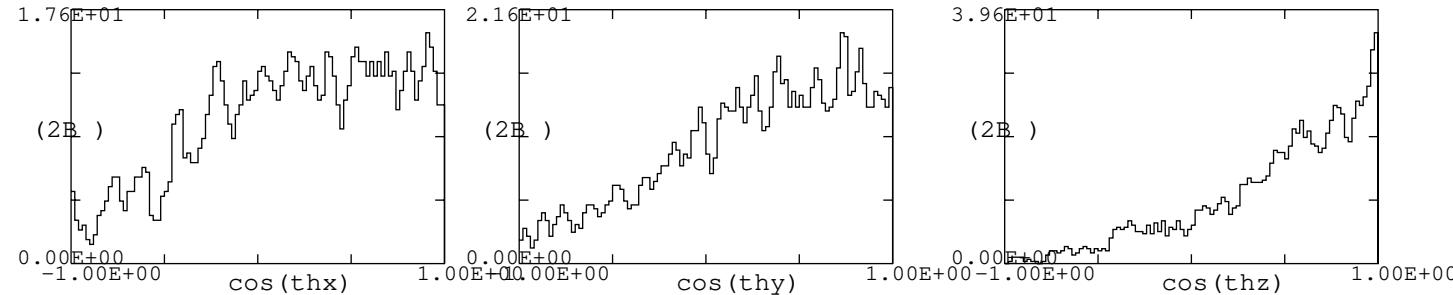
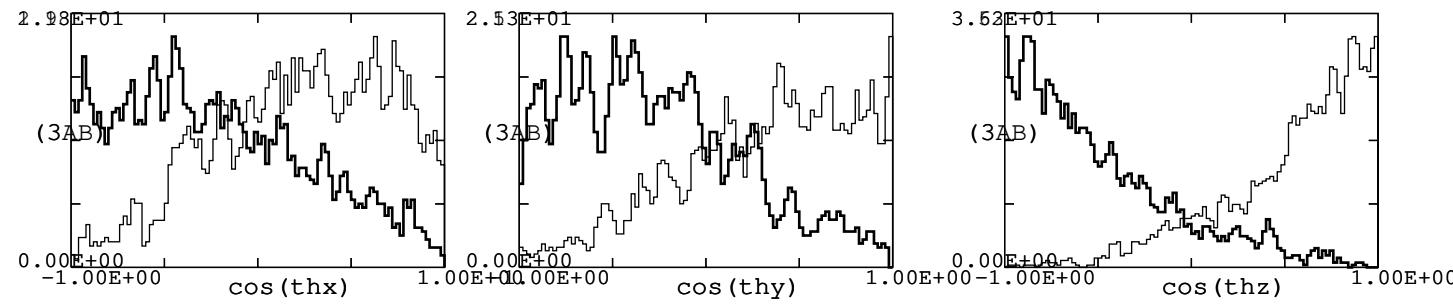


```

sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```

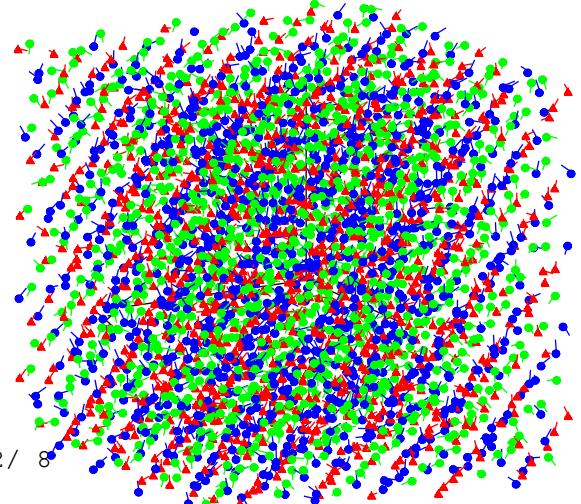




$t = 1.10E+03$

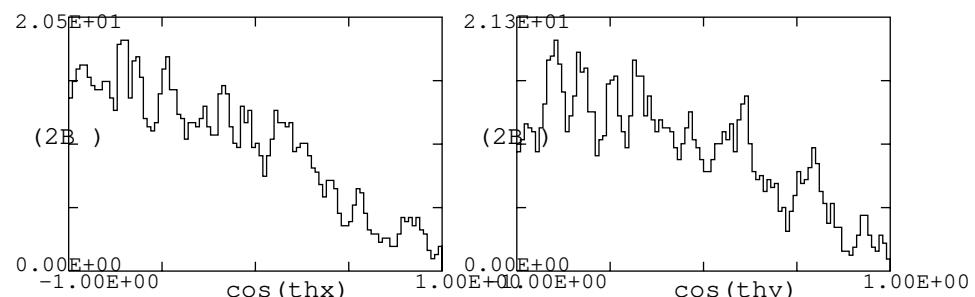
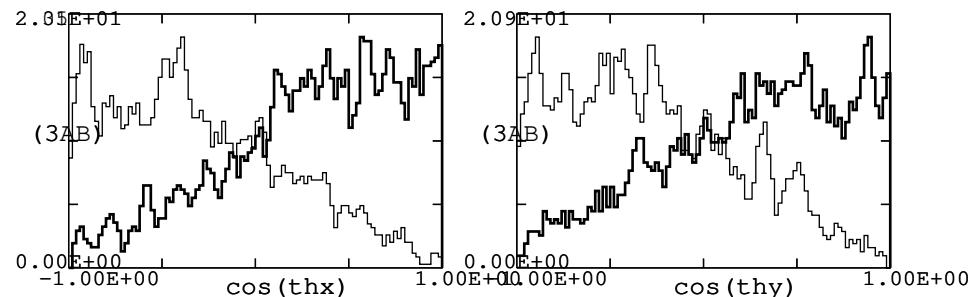
$t = 1.10E+03$

```
sp3_nucl /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01
dt= 1.00E-03
tau_b=4.00E+02
```

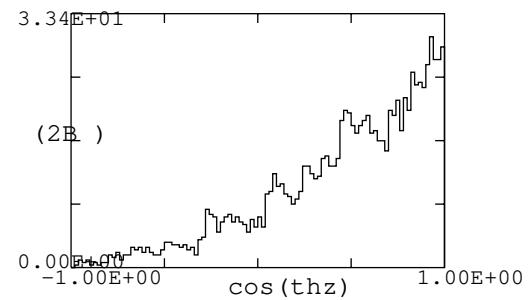
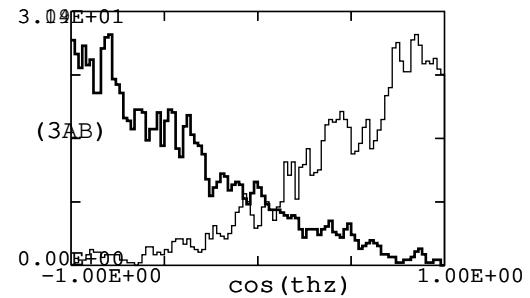


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time=1.15E+03



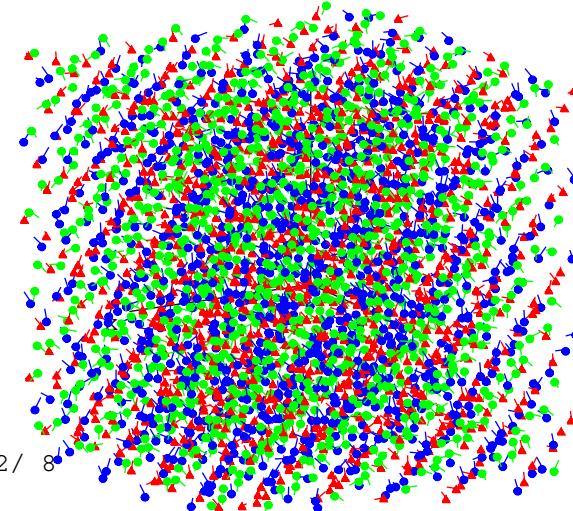
$t = 1.15E+03$



```

sp3_nucl      /home/mtanaka/MPI_spin/spin07dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 3.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np=   3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt=   1.00E-03
                                         tau_b=4.00E+02

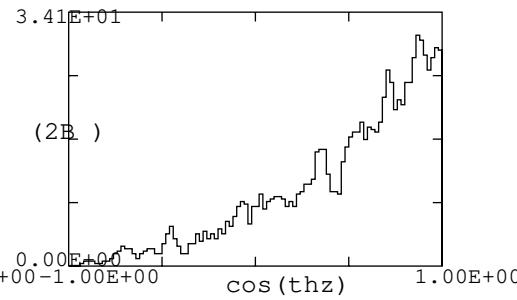
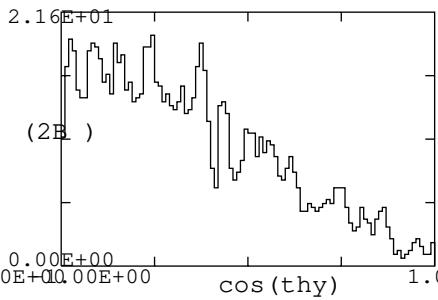
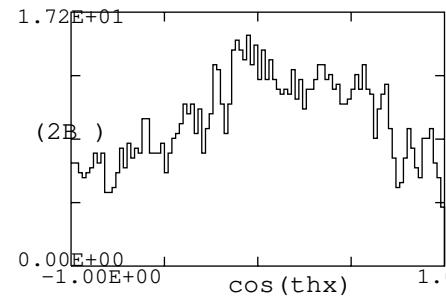
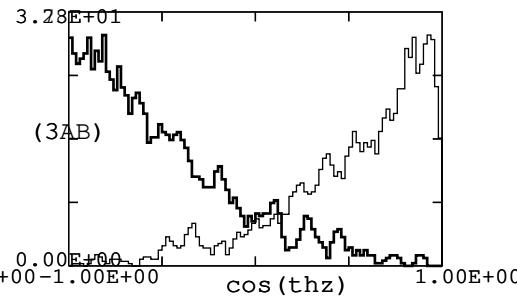
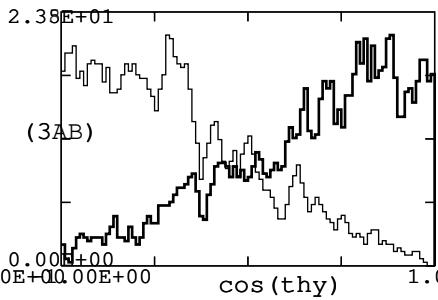
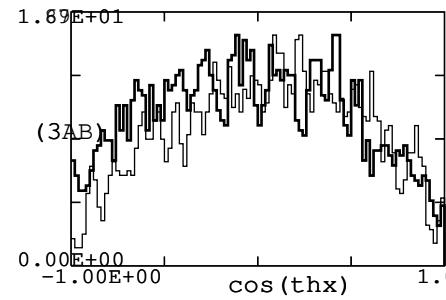
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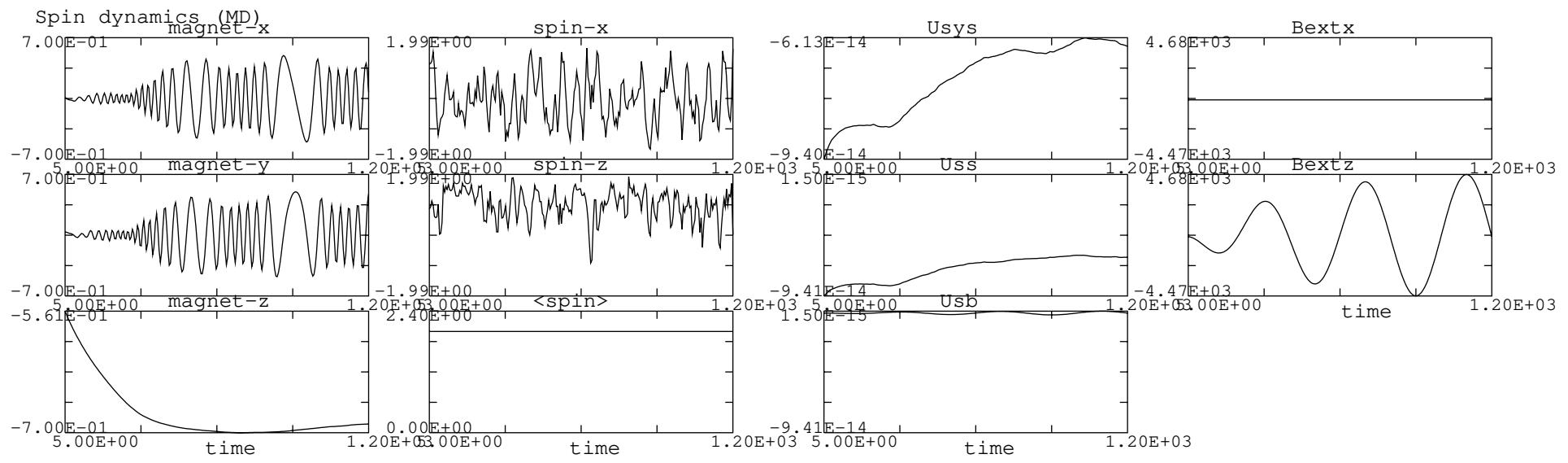
$t = 1.15E+03$

$t = 1.20E+03$



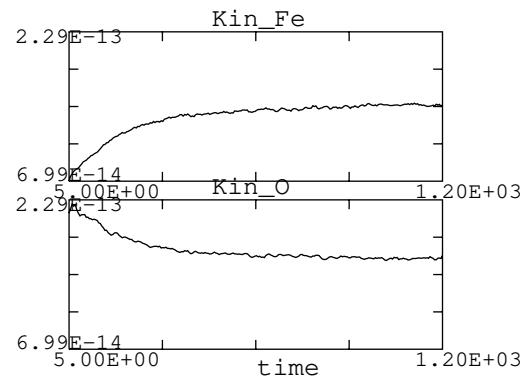
$t = 1.20E+03$

$t = 1.20E+03$



$t = 1.20E+03$

$t = 1.20E+03$



$t = 1.20E+03$