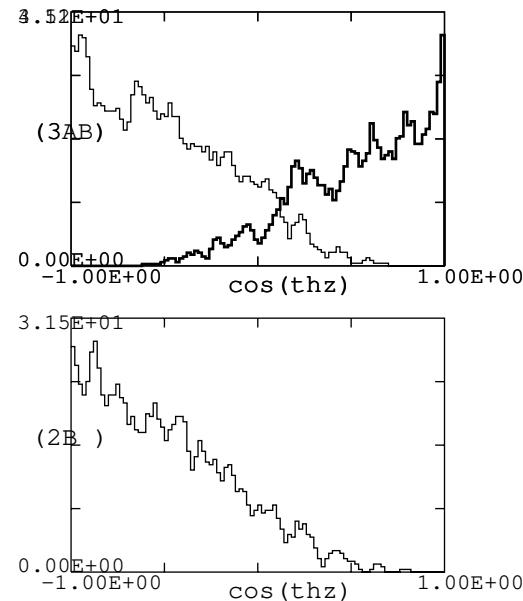
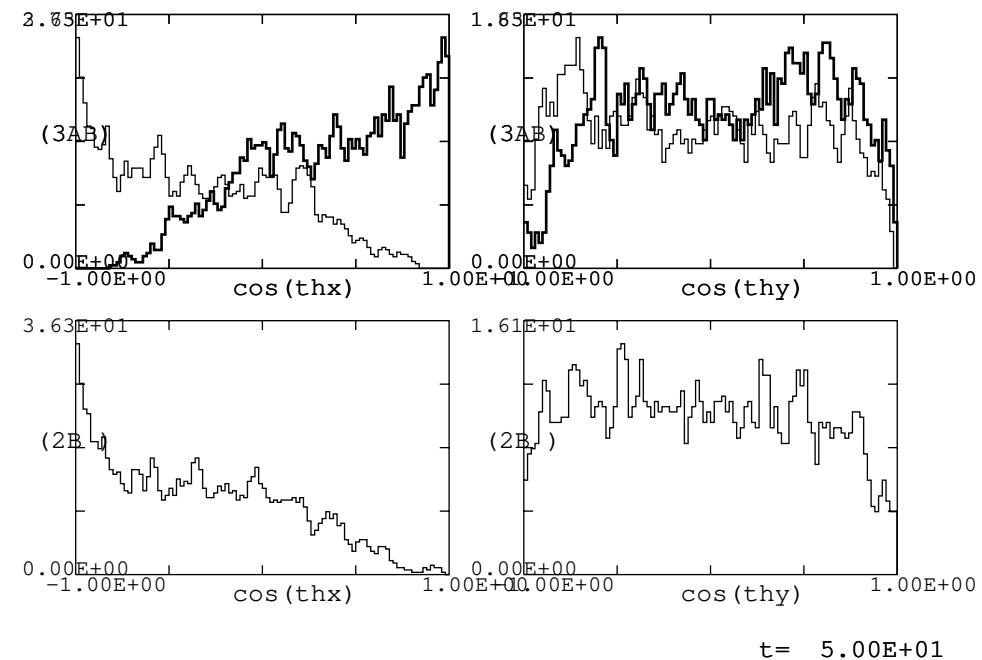
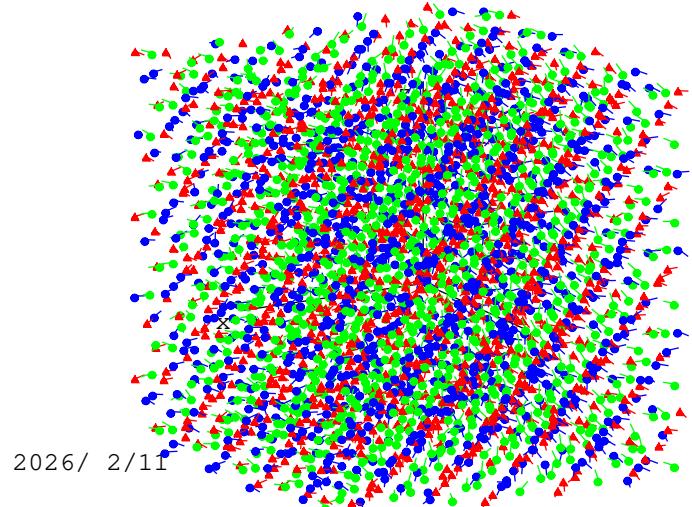


```

sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

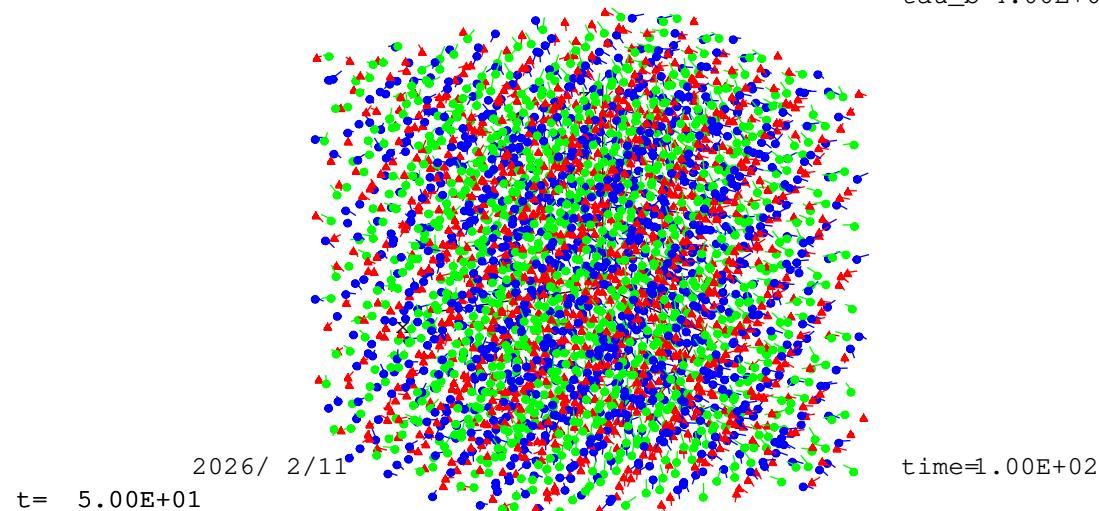
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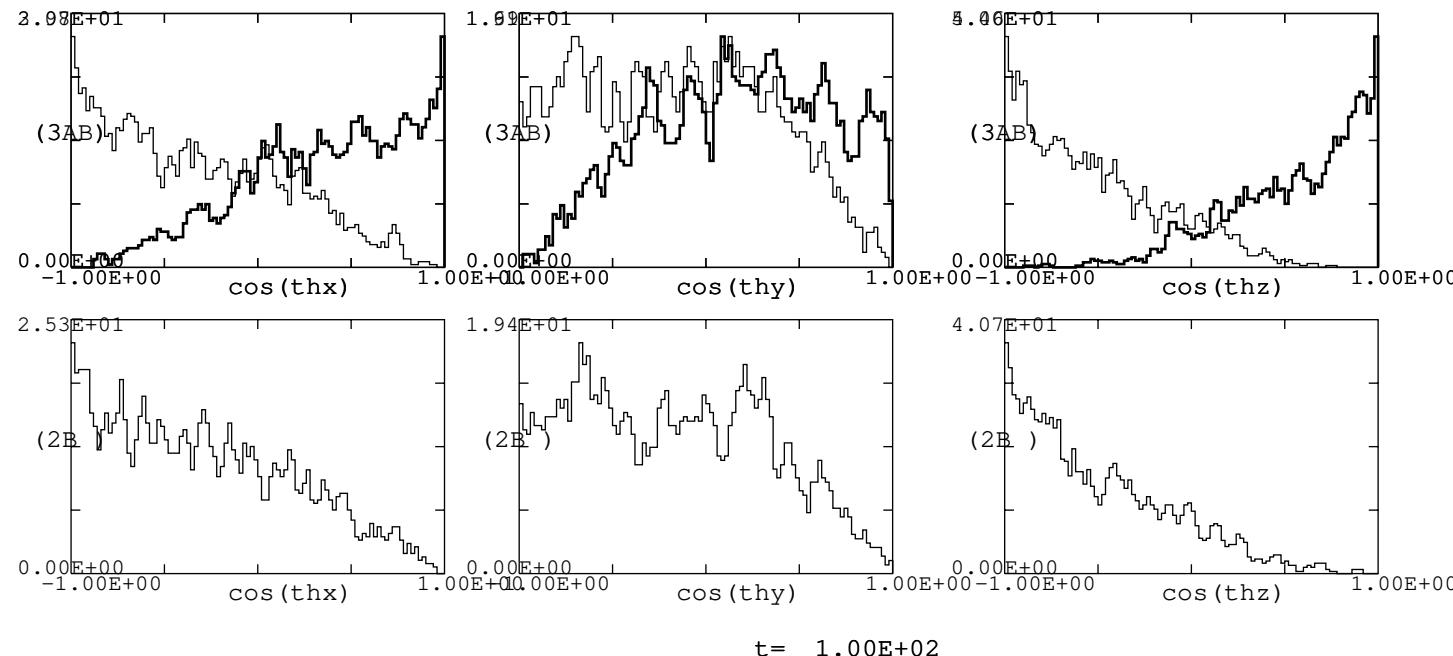


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sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```

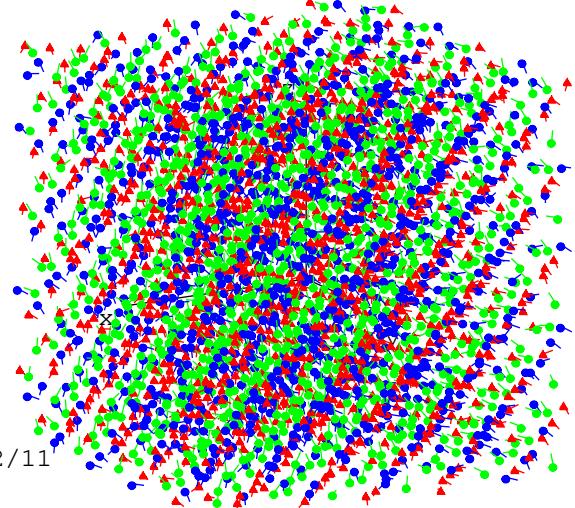




$t = 1.00E+02$

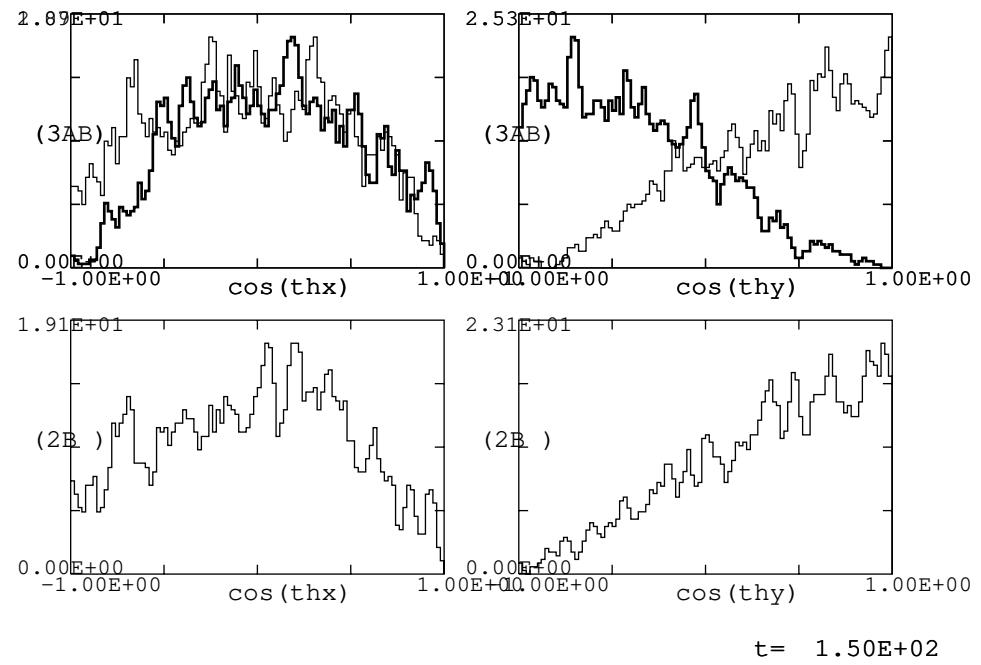
$t = 1.00E+02$

```
sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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
```

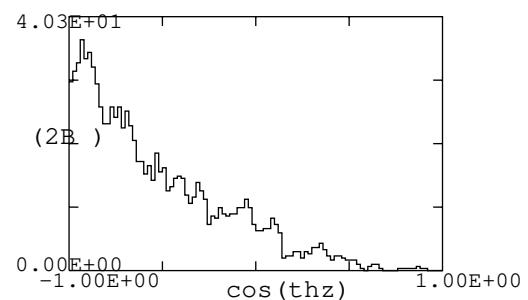
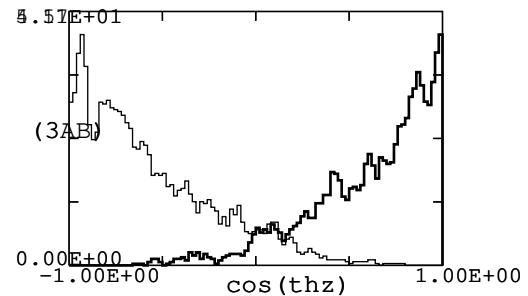


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time=1.50E+02



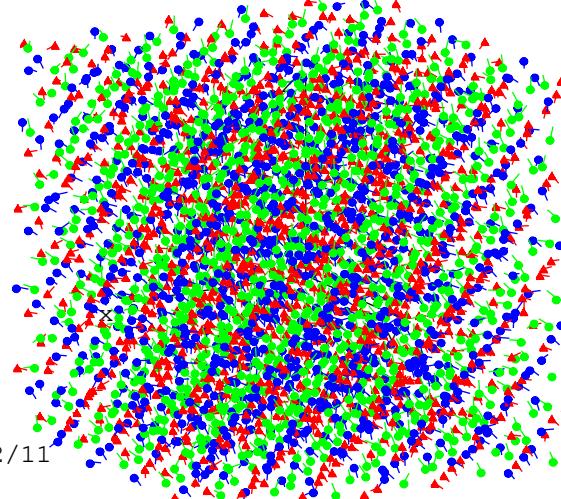
$t = 1.50E+02$



```

sp3_nucl      /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

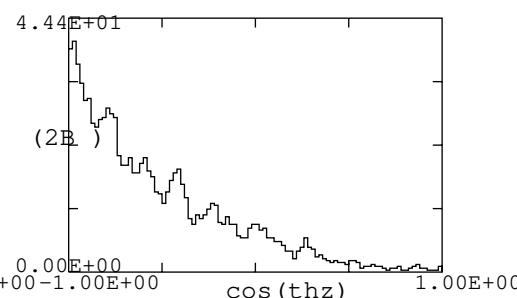
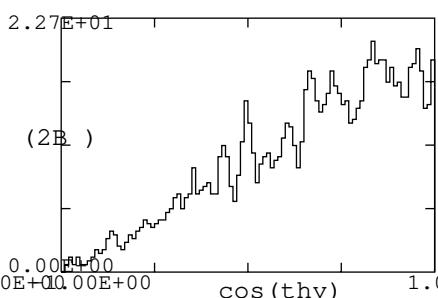
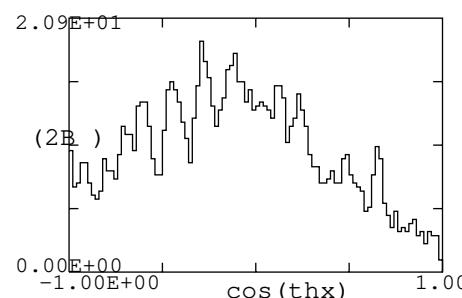
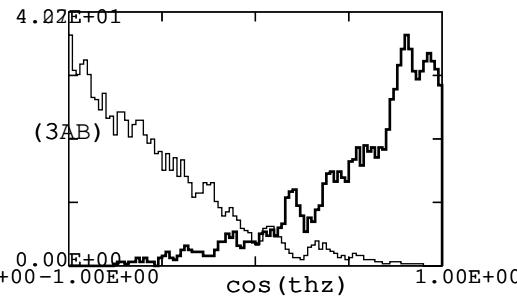
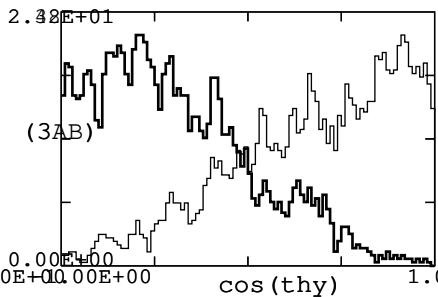
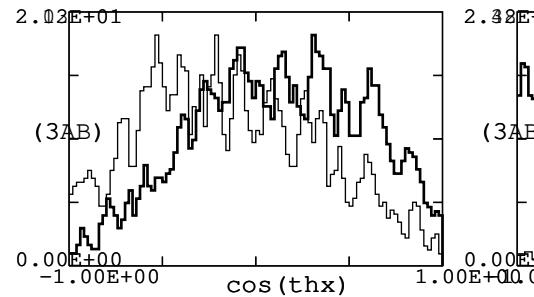
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t= 1.50E+02

time=2.00E+02



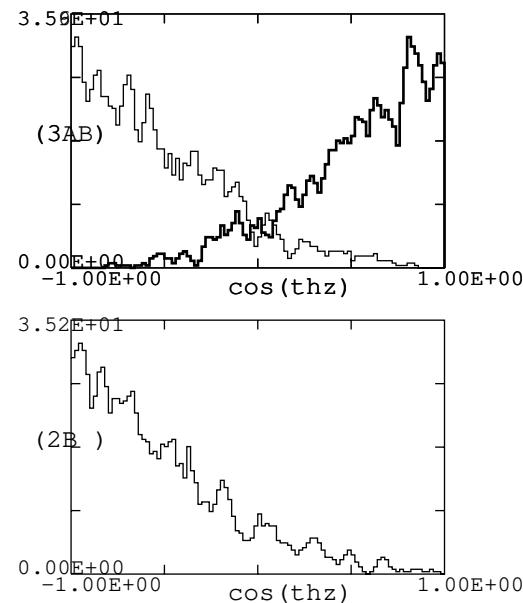
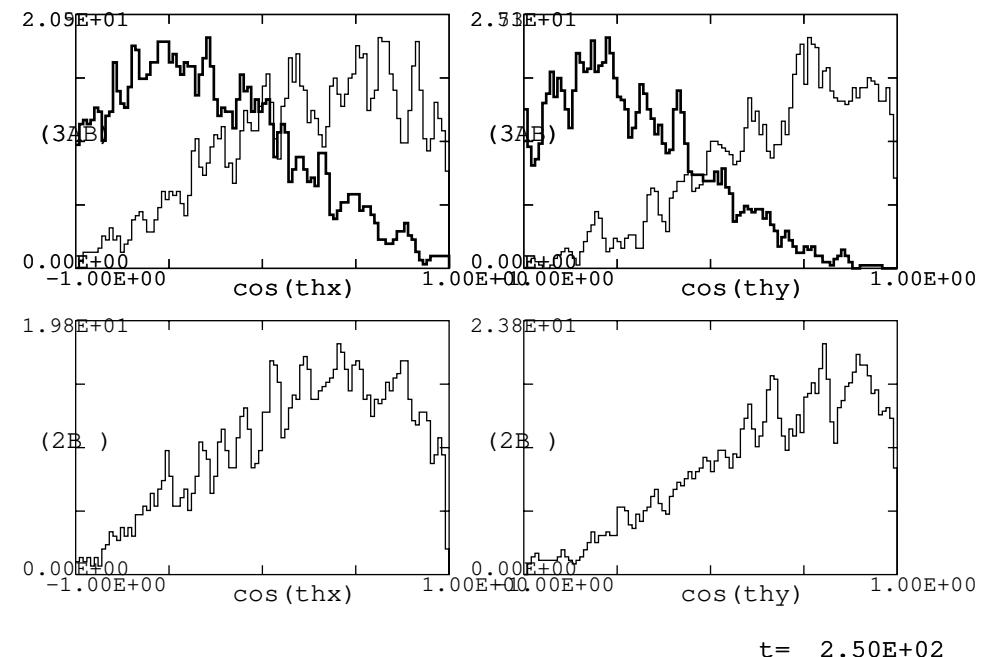
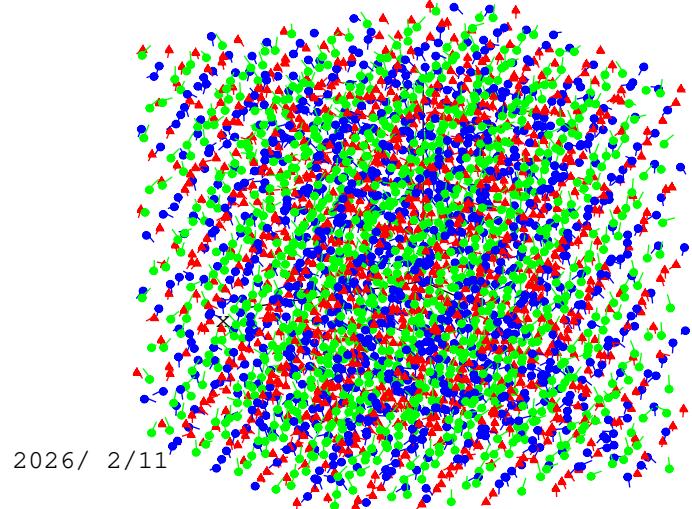
t= 2.00E+02

t= 2.00E+02

```

sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

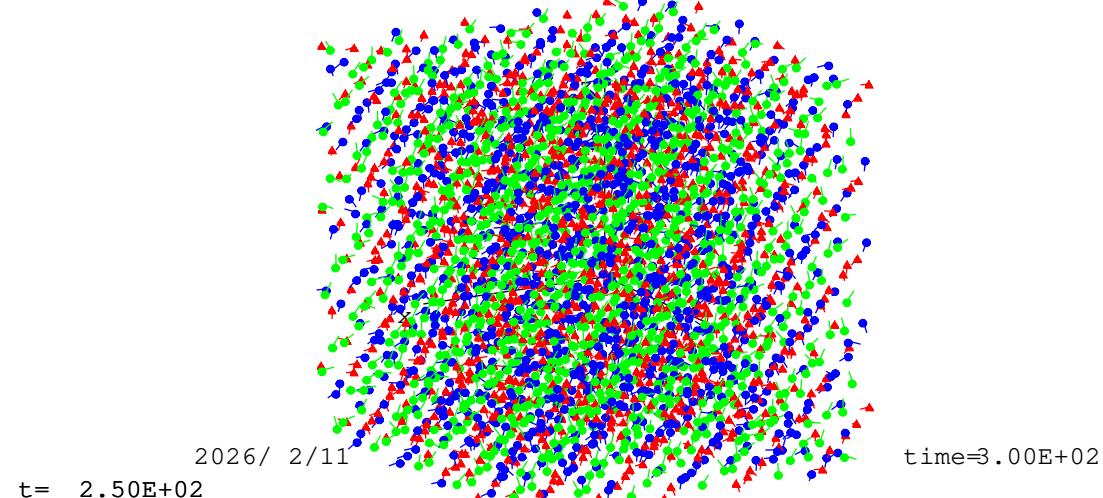
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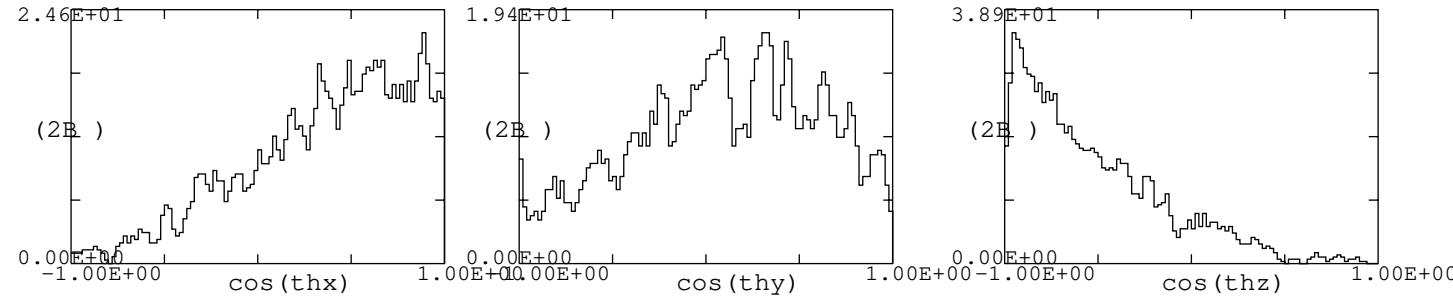
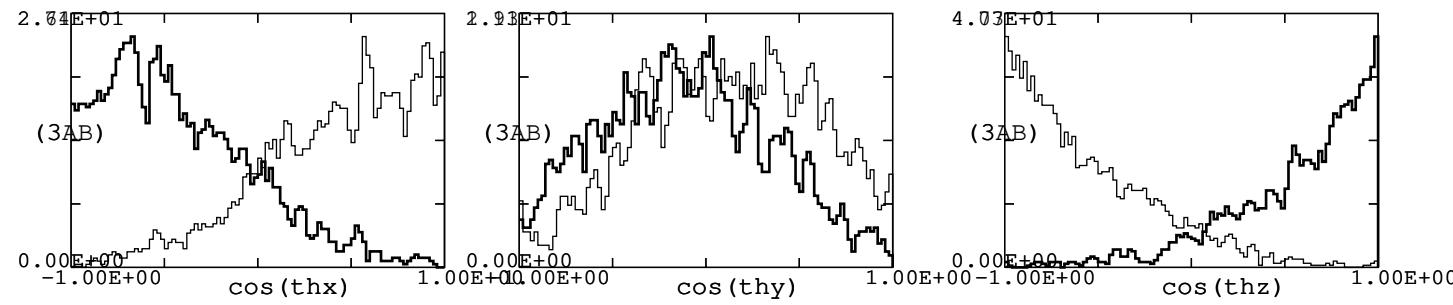


```

sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

```

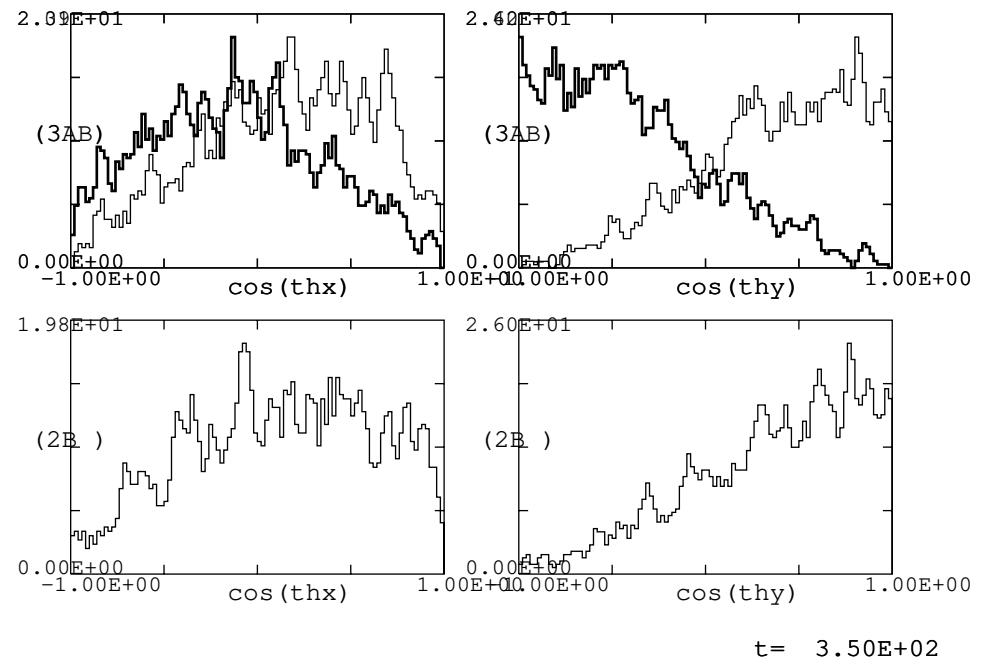
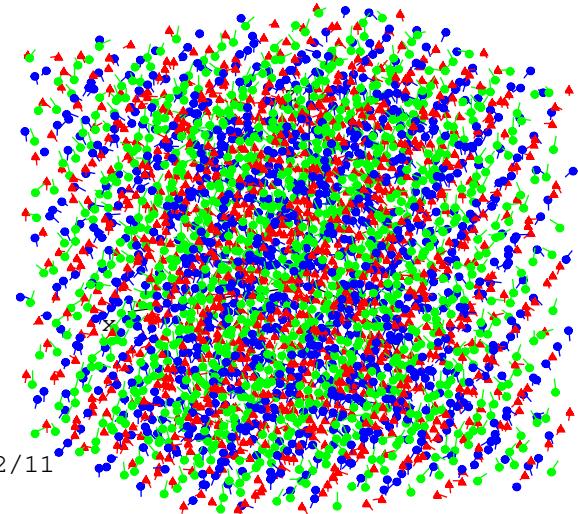


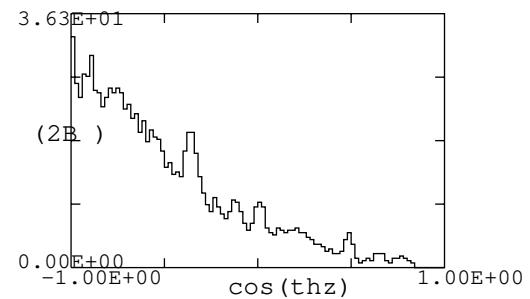
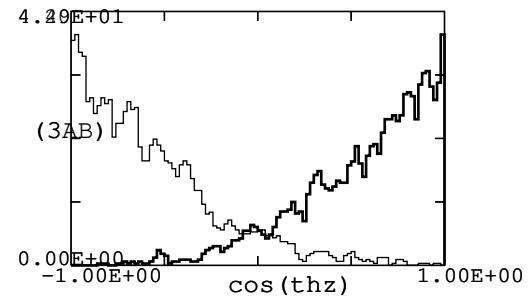


$t = 3.00E+02$

$t = 3.00E+02$

```
sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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
```

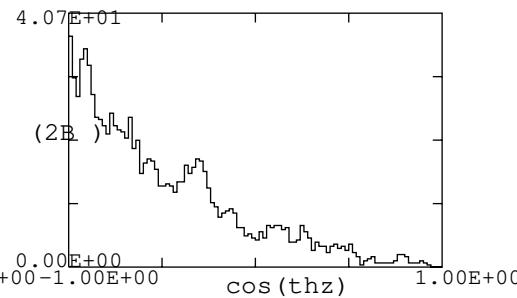
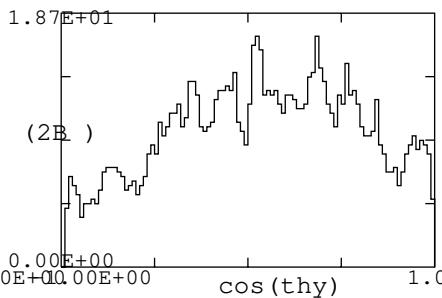
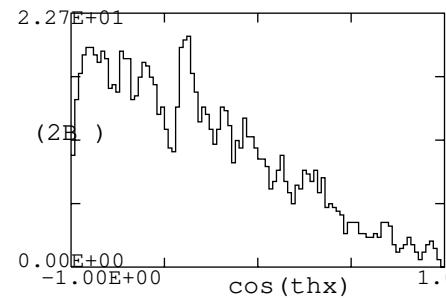
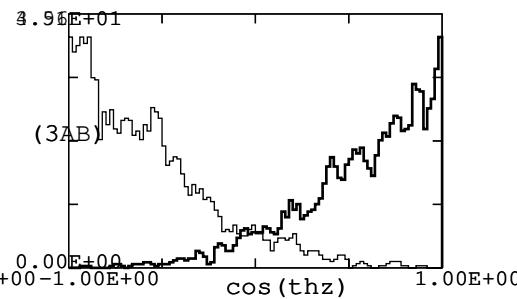
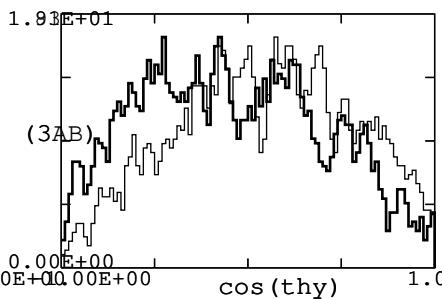
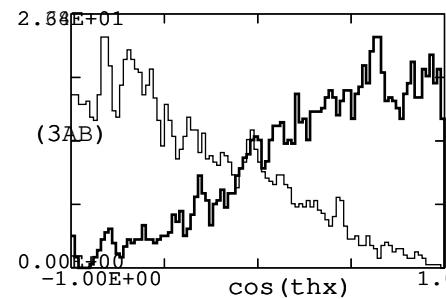
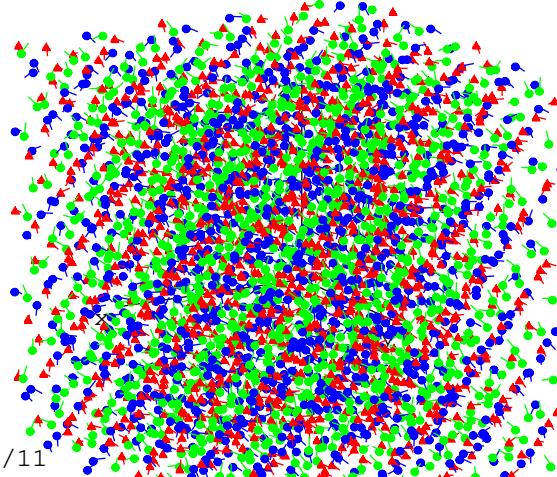




```

sp3_nucl      /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

```



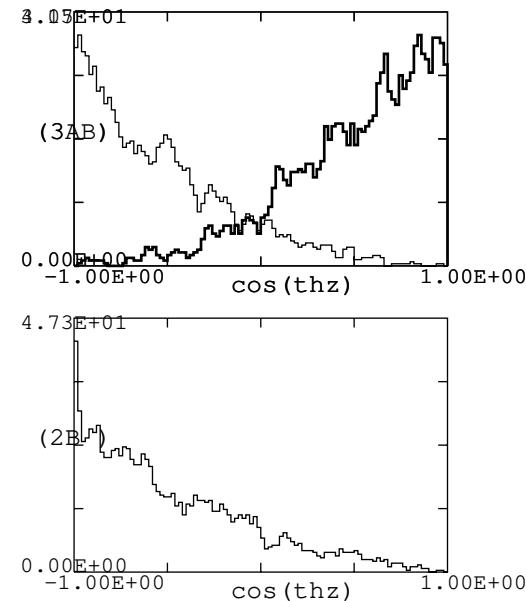
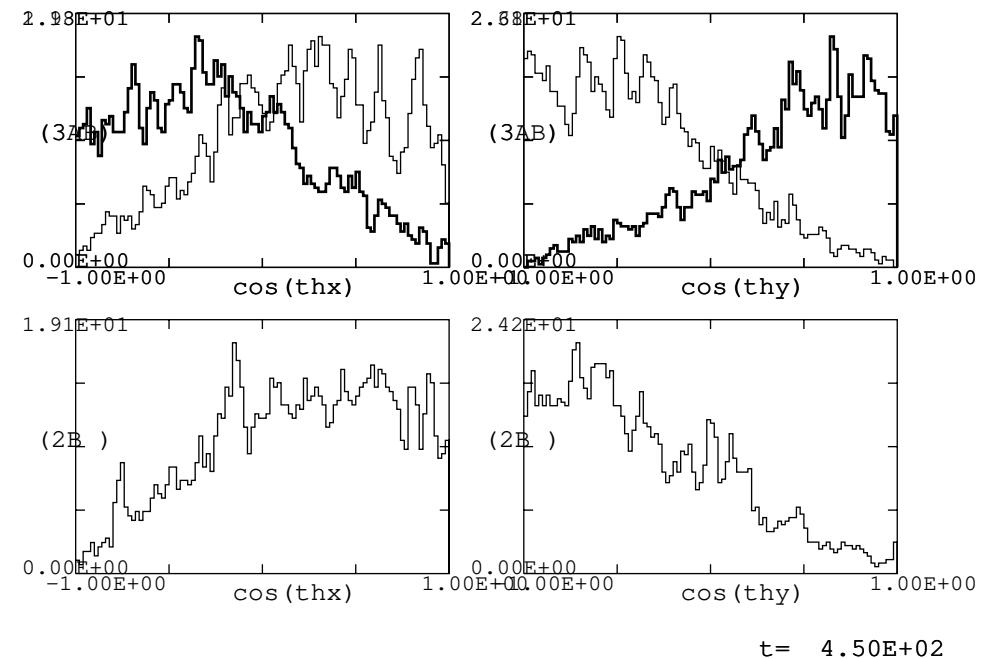
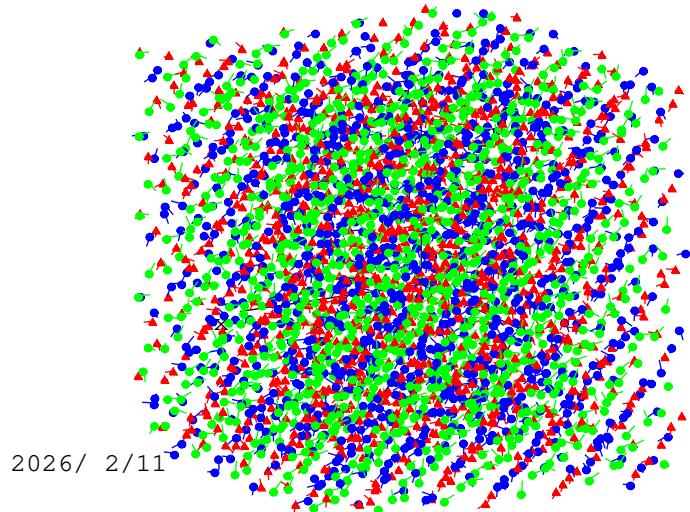
t= 4.00E+02

t= 4.00E+02

```

sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

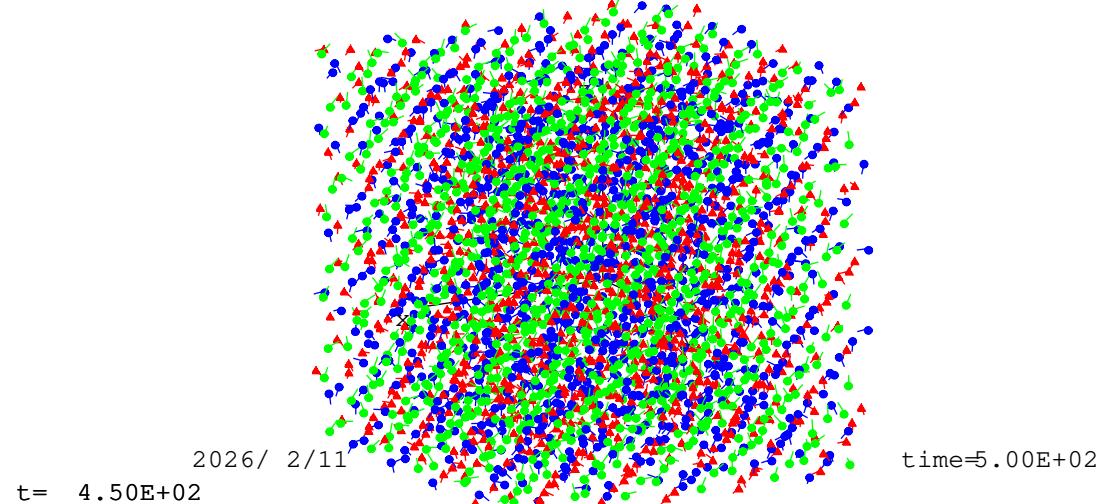
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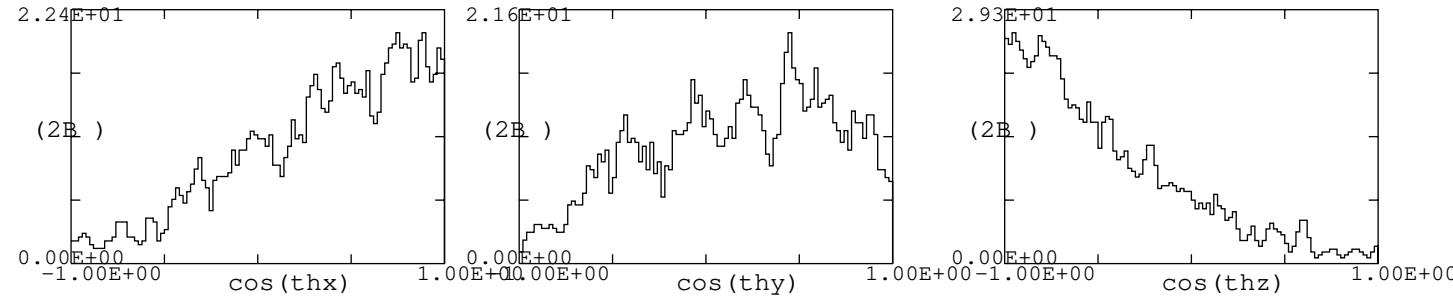
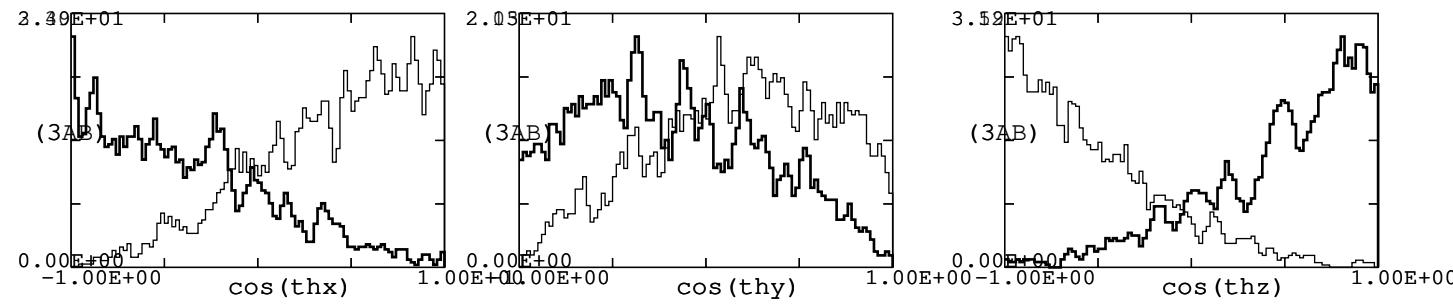


```

sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

```

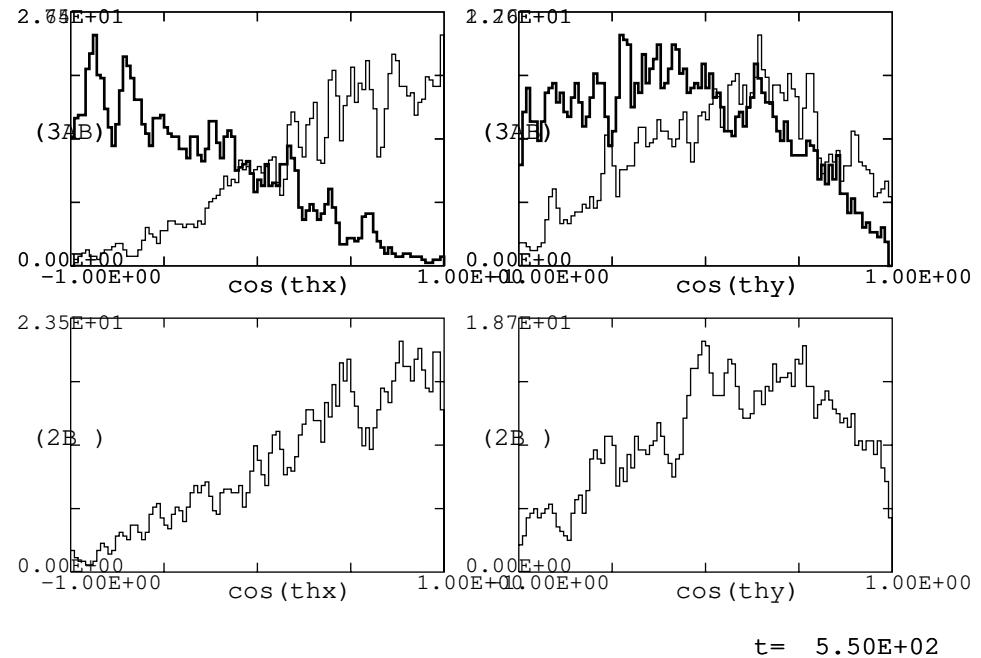
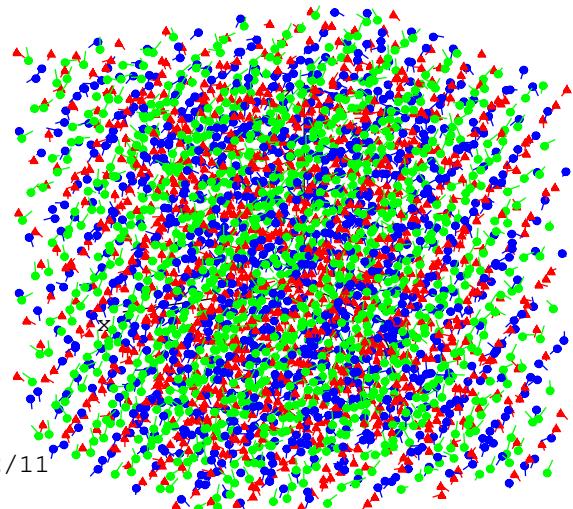


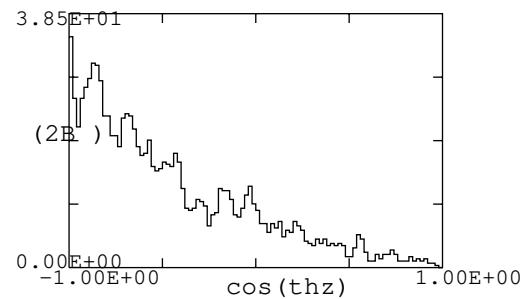
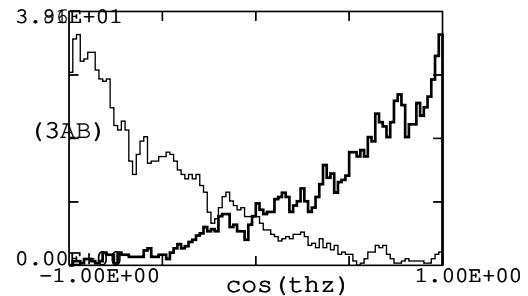


t= 5.00E+02

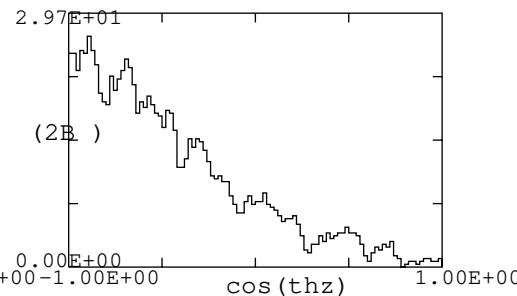
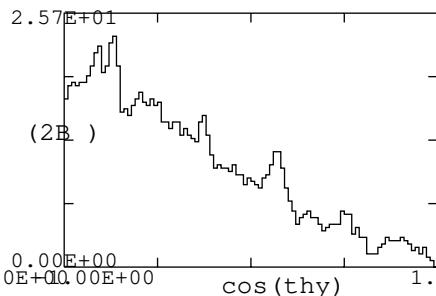
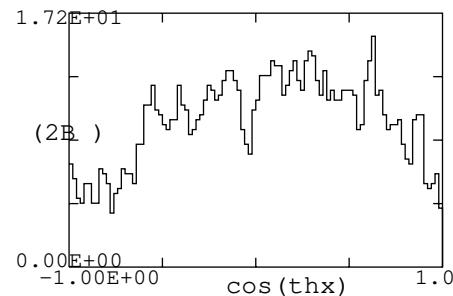
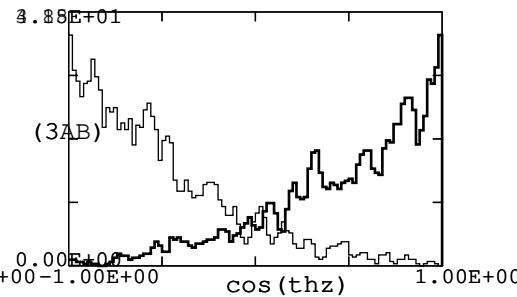
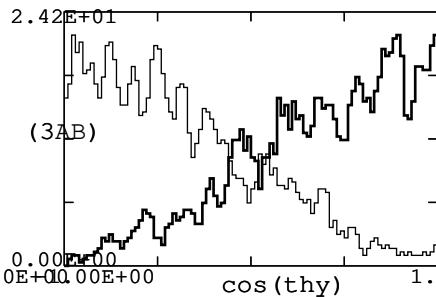
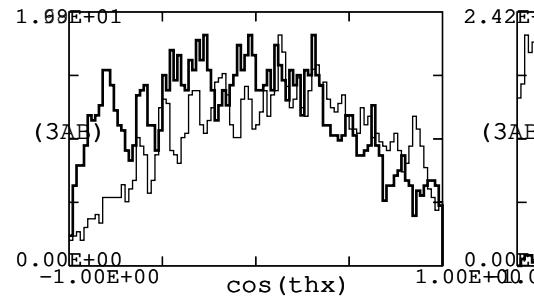
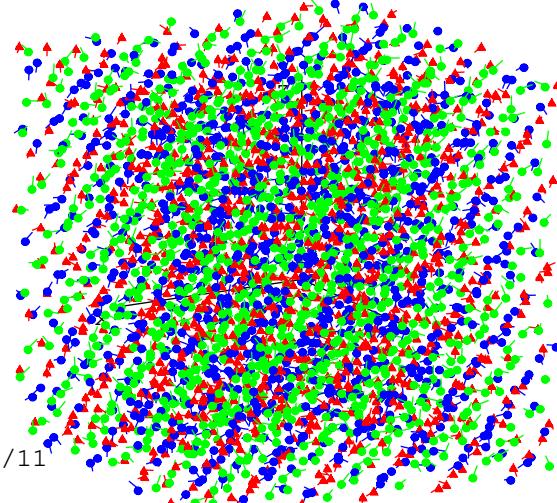
t= 5.00E+02

```
sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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
```





```
sp3_nucl      /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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
```



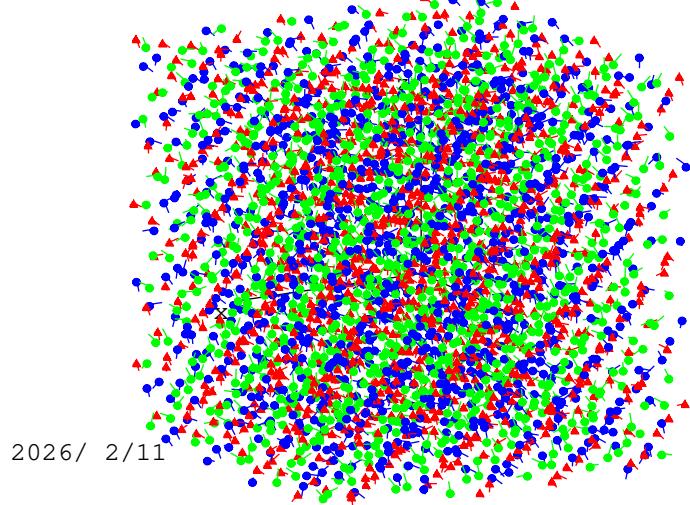
t= 6.00E+02

t= 6.00E+02

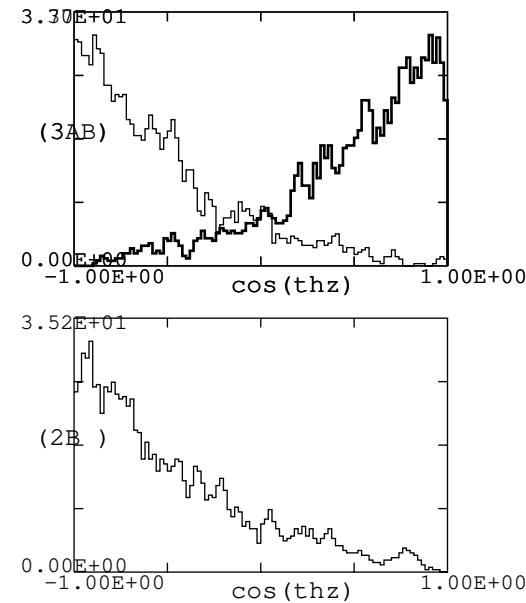
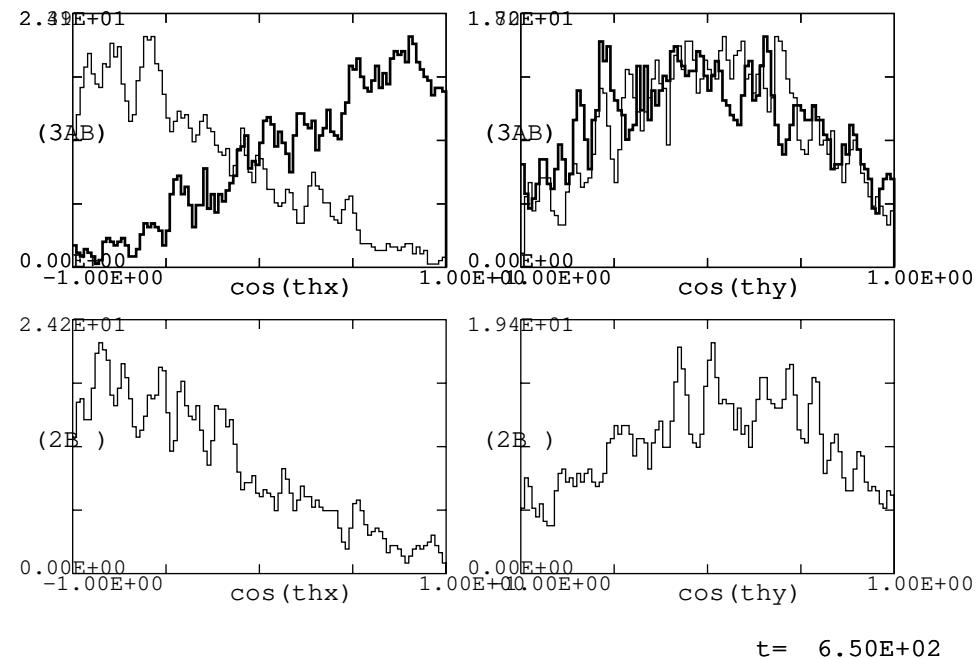
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sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```



time=6.50E+02

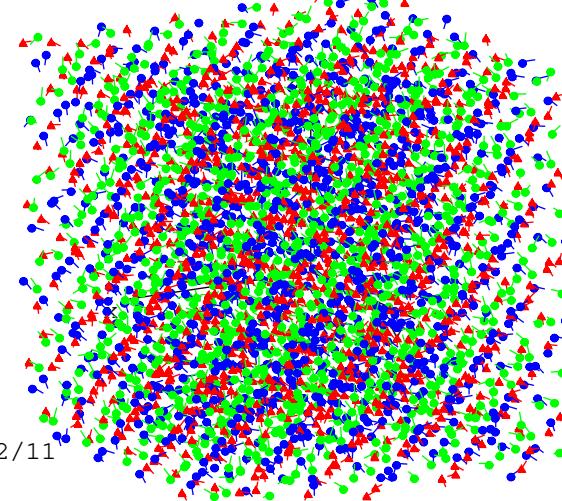


t= 6.50E+02

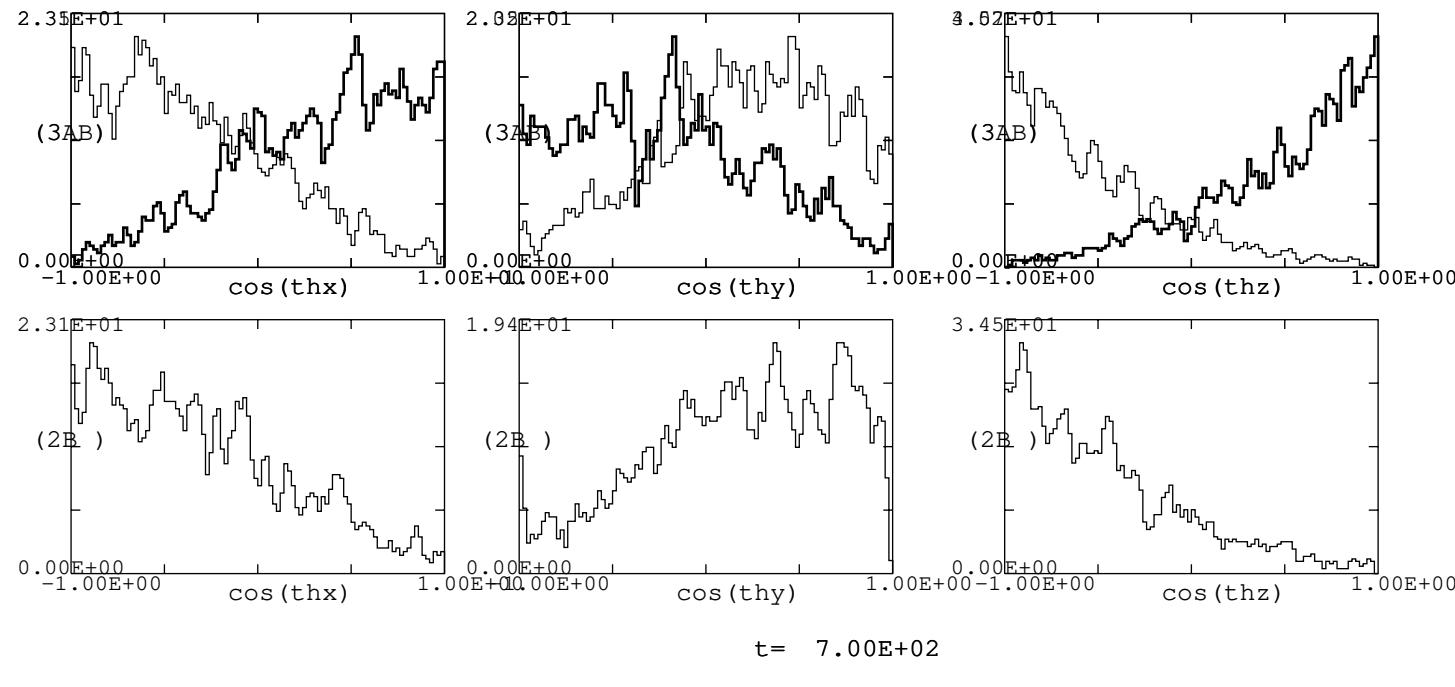
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sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```



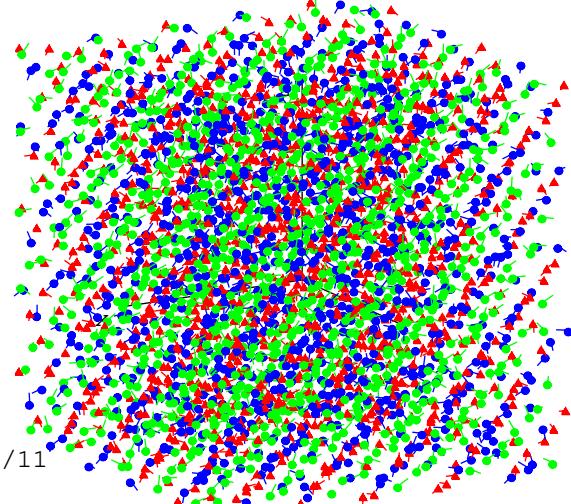
time=7.00E+02



$t = 7.00E+02$

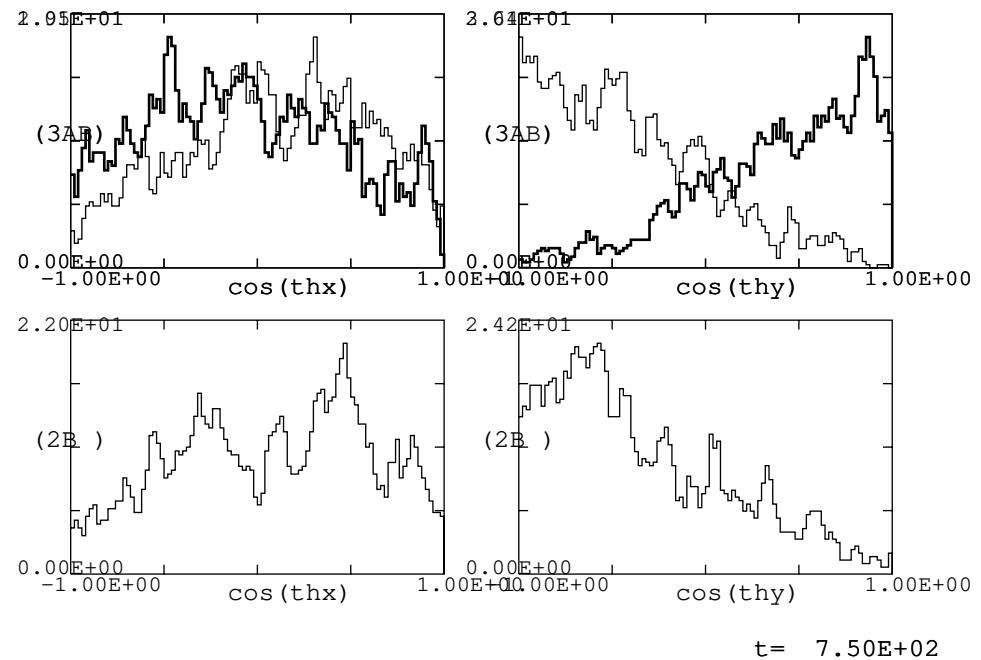
$t = 7.00E+02$

```
sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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
```

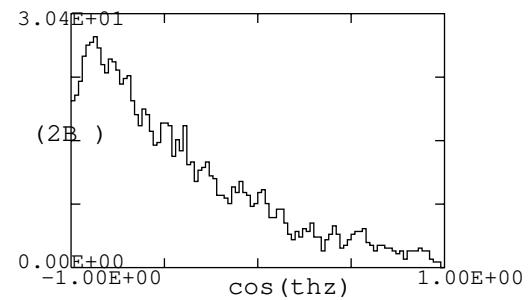
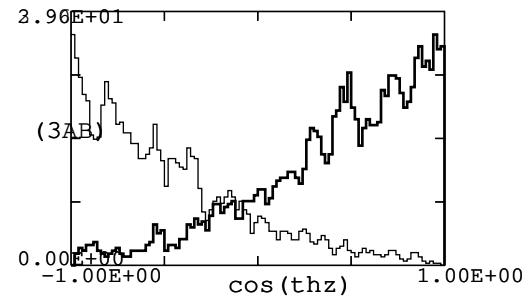


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time=7.50E+02



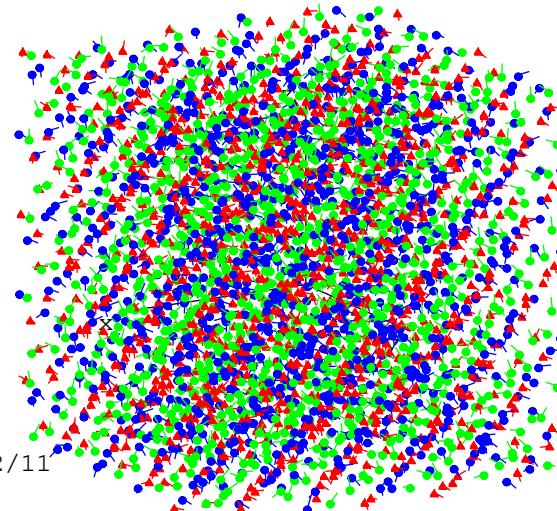
$t = 7.50E+02$



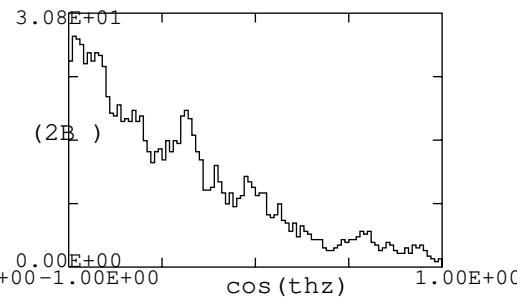
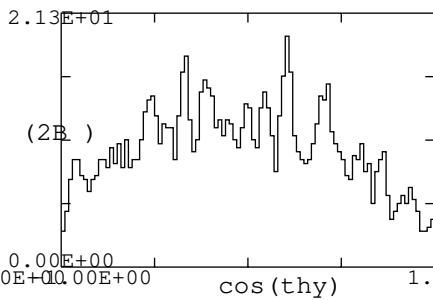
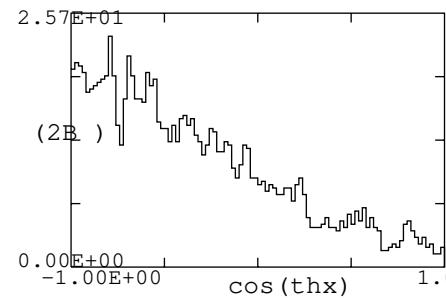
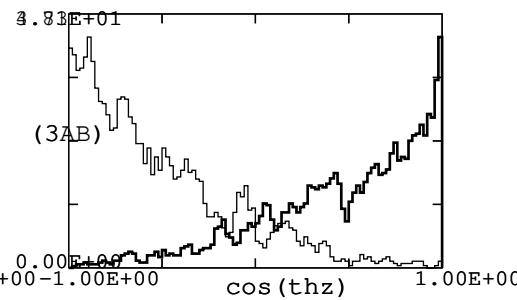
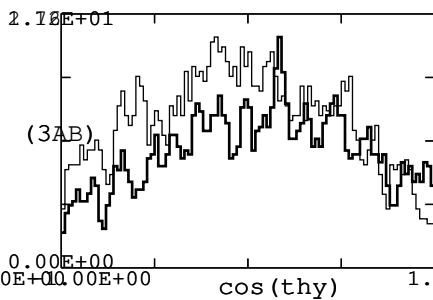
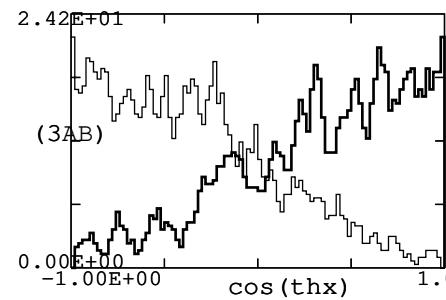
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sp3_nucl      /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np=   3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt=   1.00E-03
                                         tau_b=4.00E+02

```



t= 7.50E+02



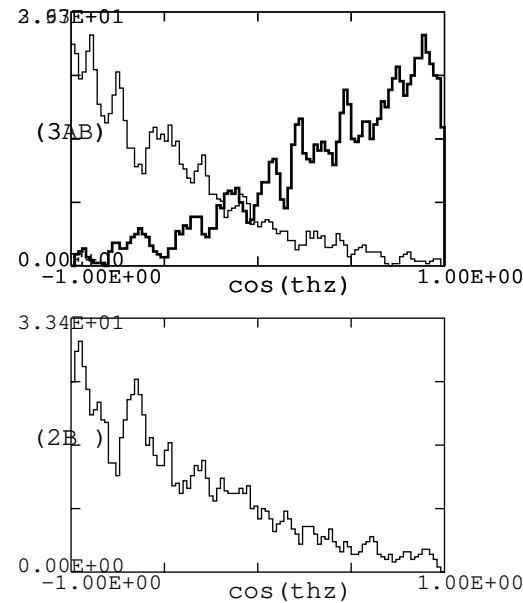
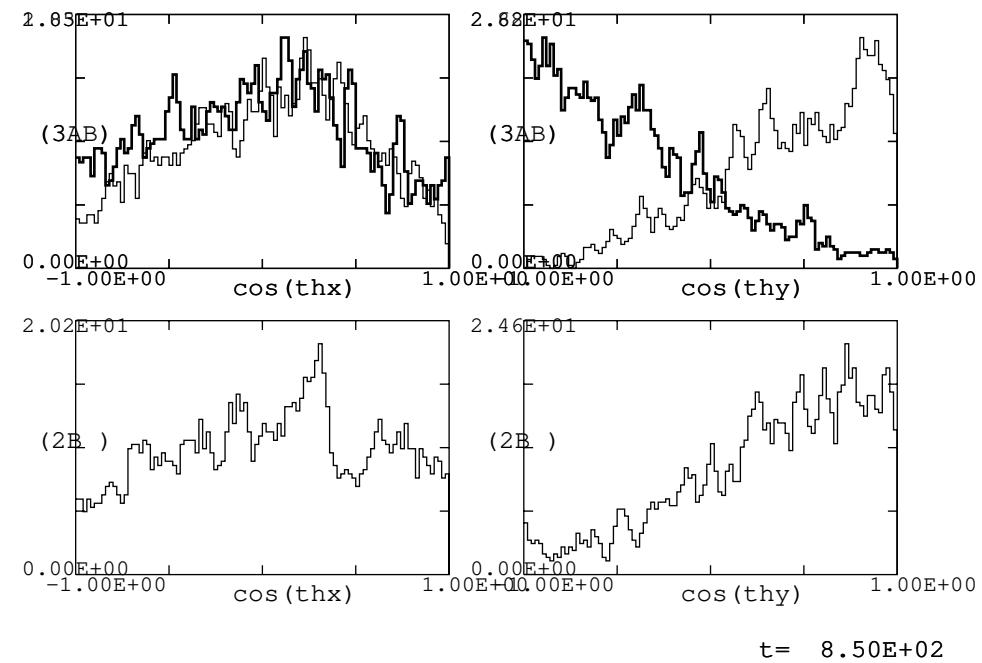
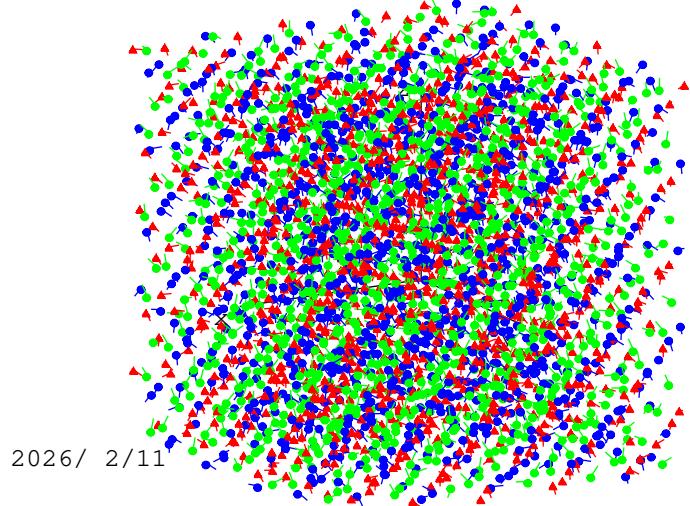
t= 8.00E+02

t= 8.00E+02

```

sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

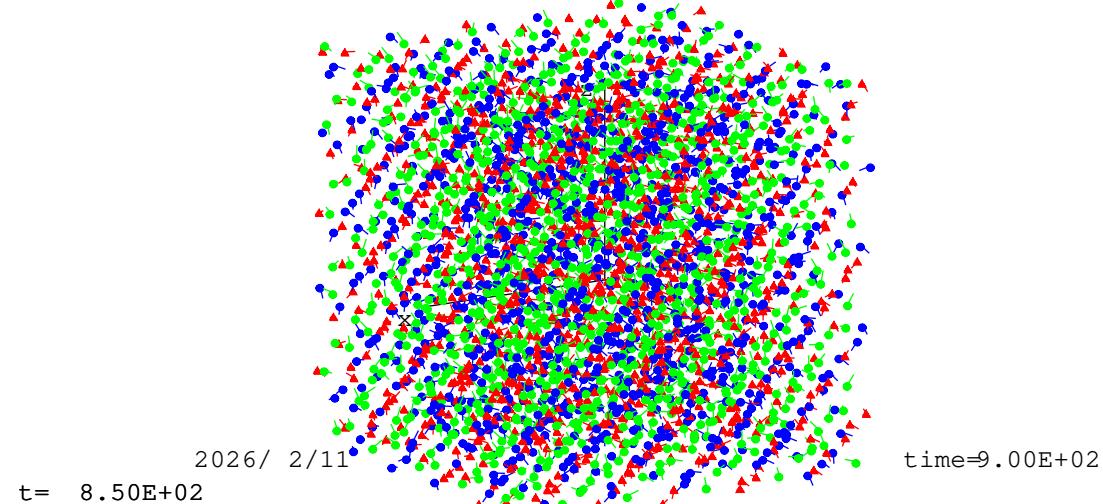
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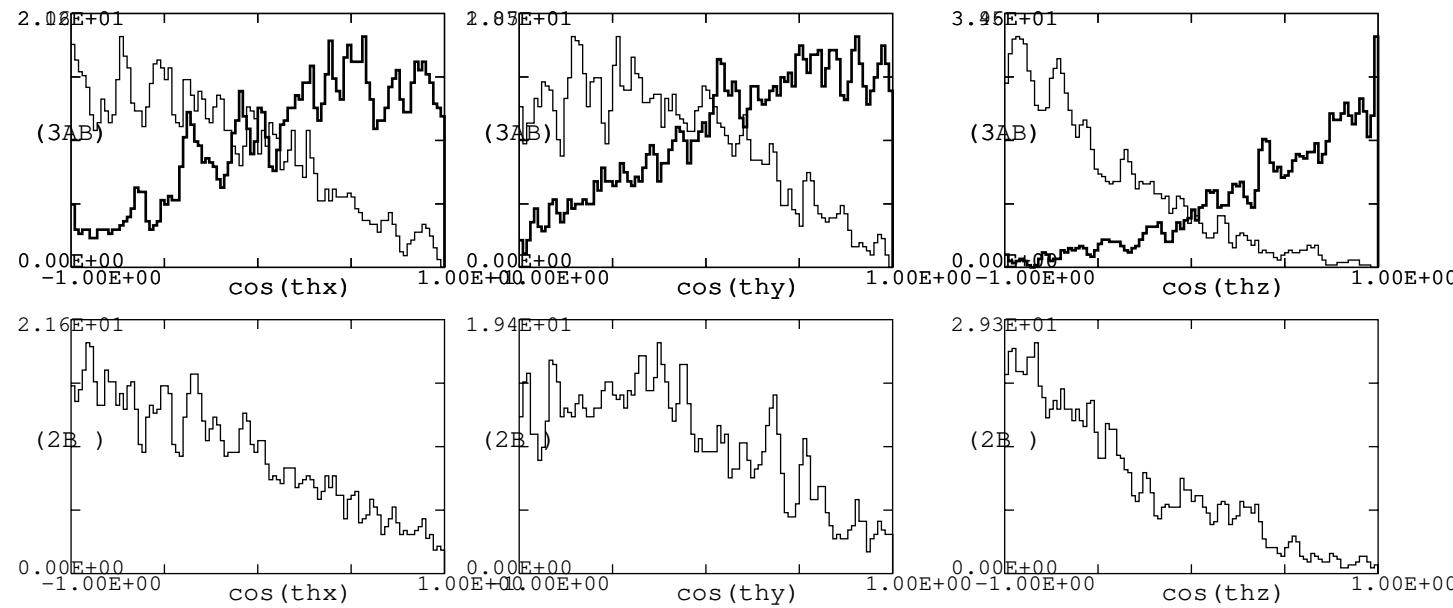


```

sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

```

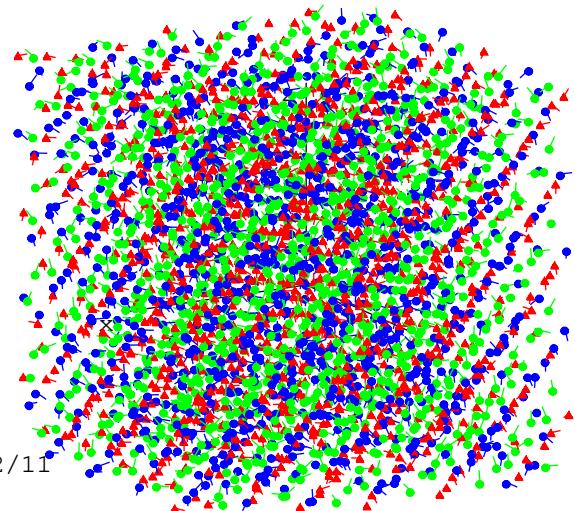




$t = 9.00E+02$

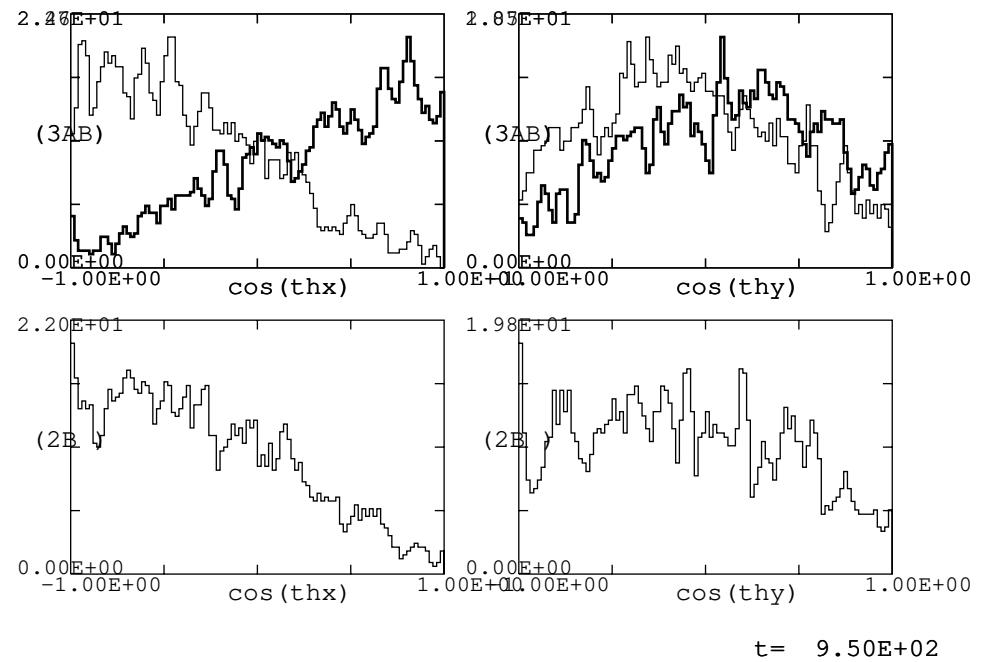
$t = 9.00E+02$

```
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spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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
```

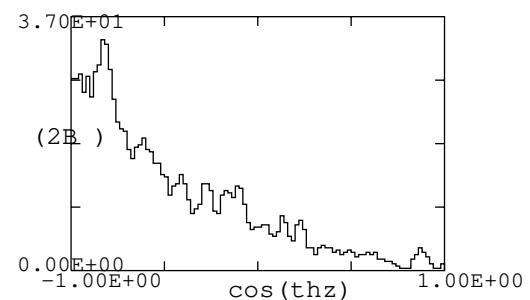
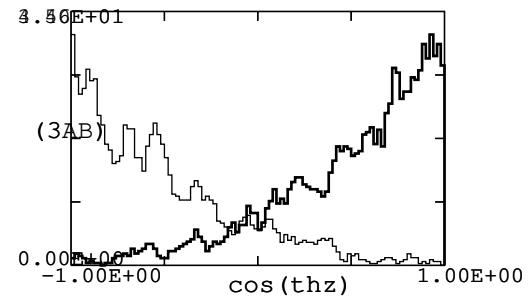


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time=9.50E+02



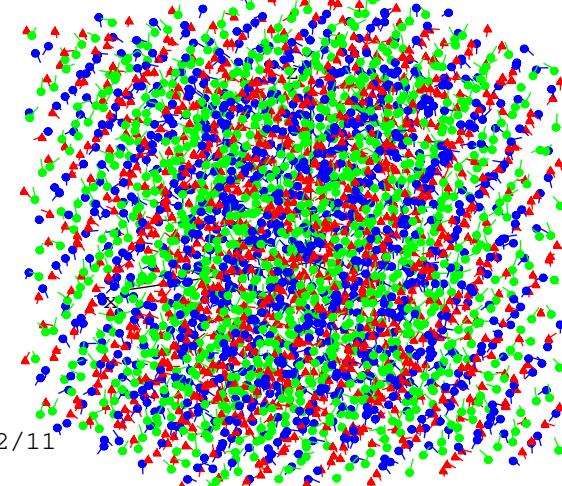
$t = 9.50E+02$



```

sp3_nucl      /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

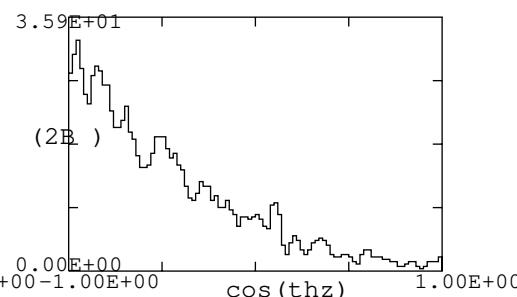
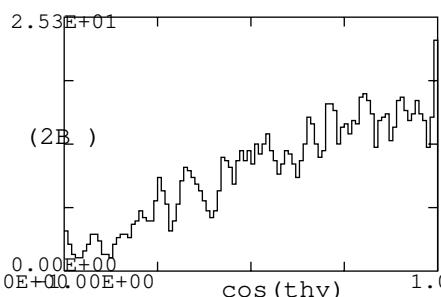
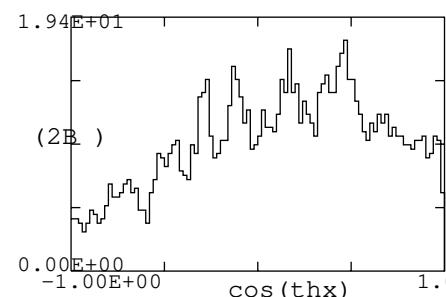
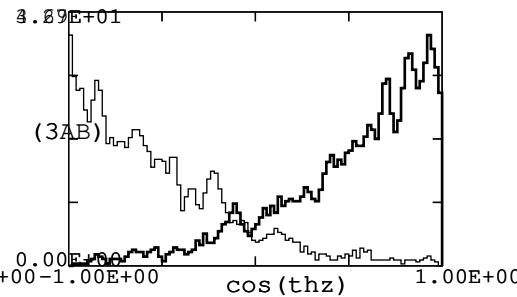
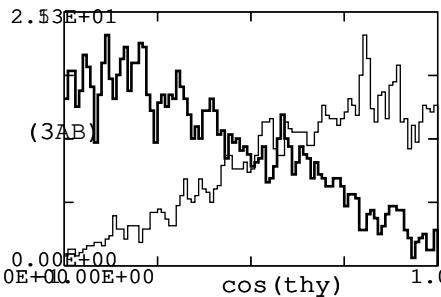
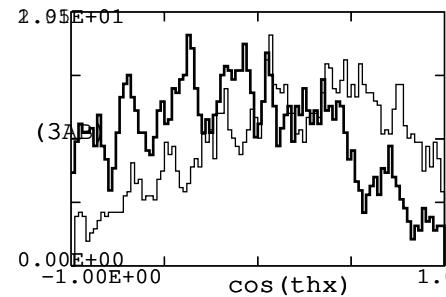
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$t= 9.50E+02$

$time=1.00E+03$



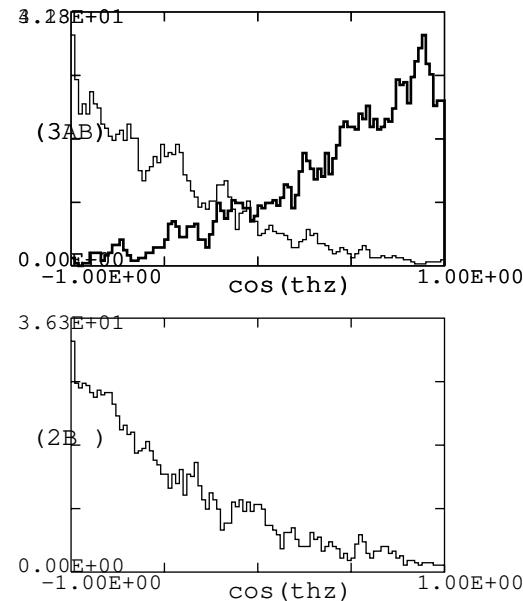
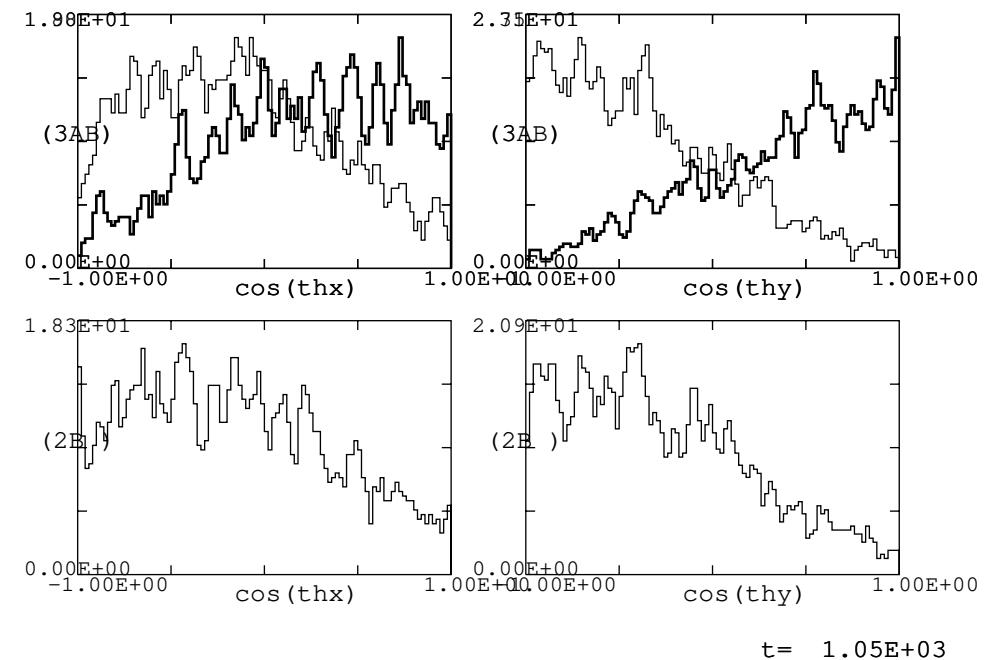
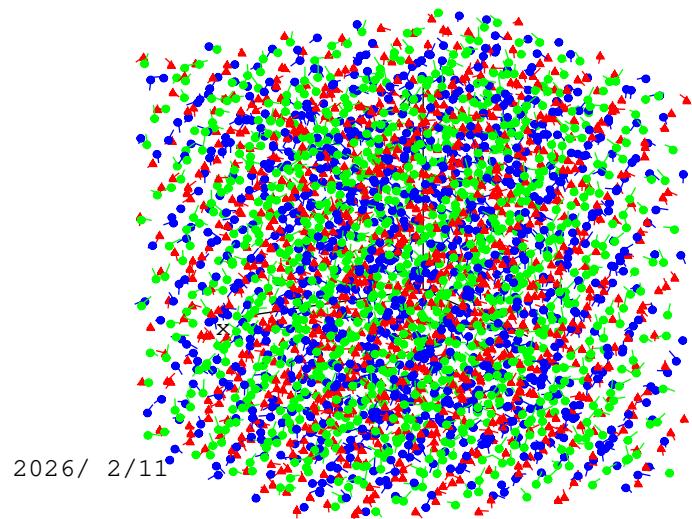
$t= 1.00E+03$

$t= 1.00E+03$

```

sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

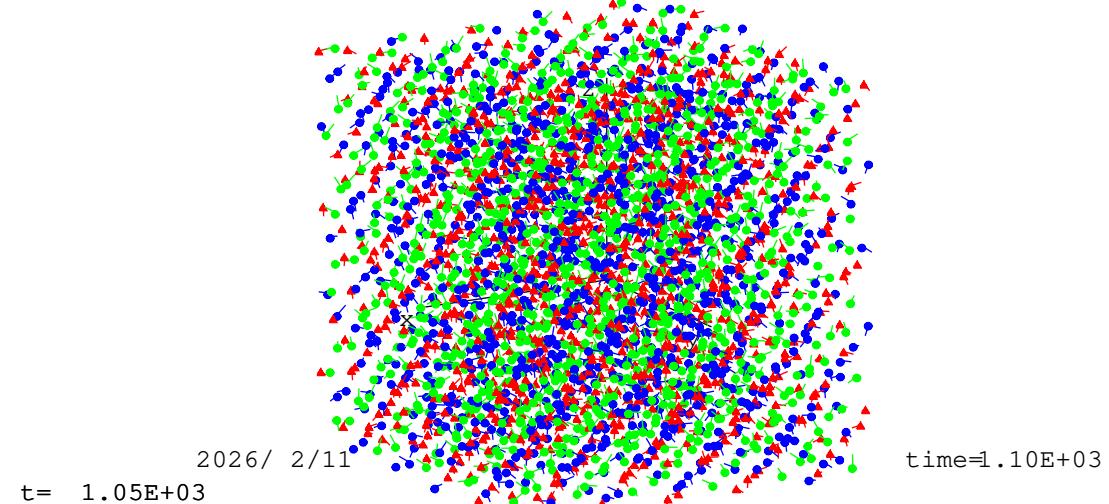
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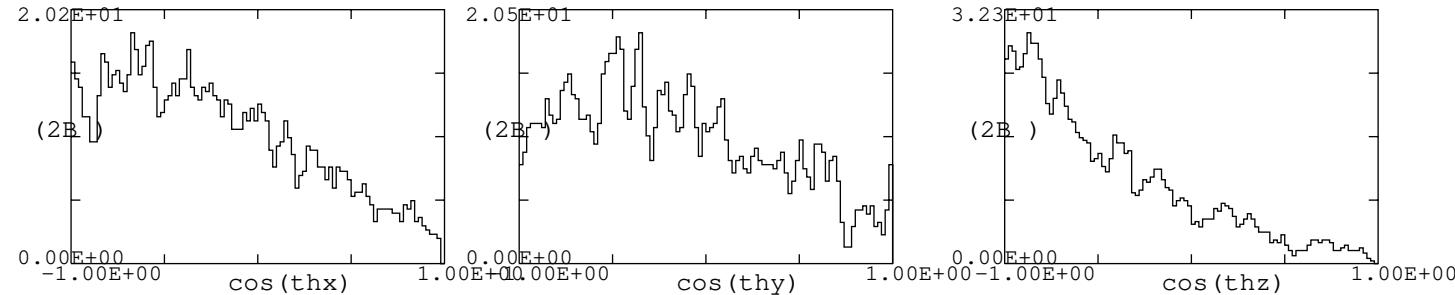
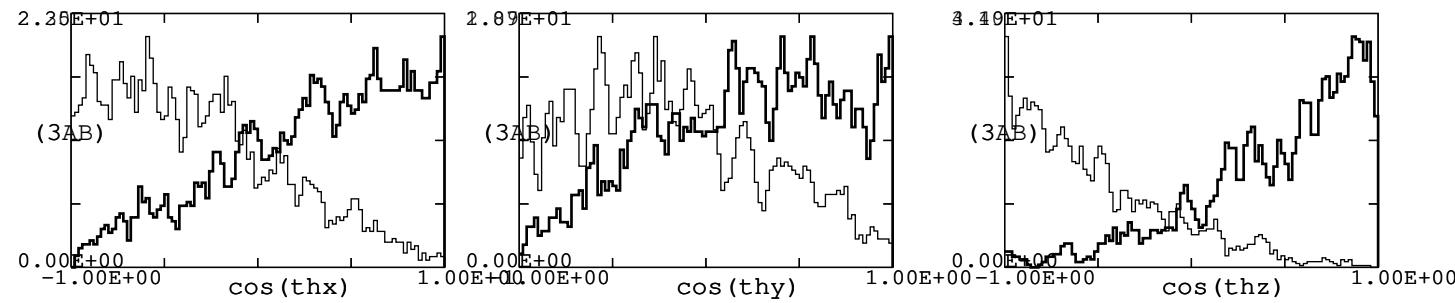


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sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

```

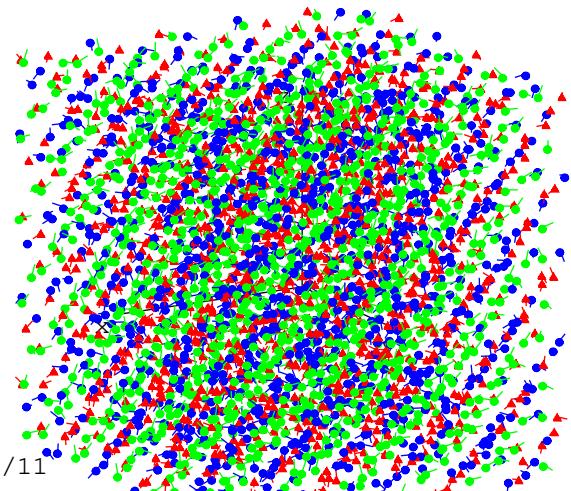




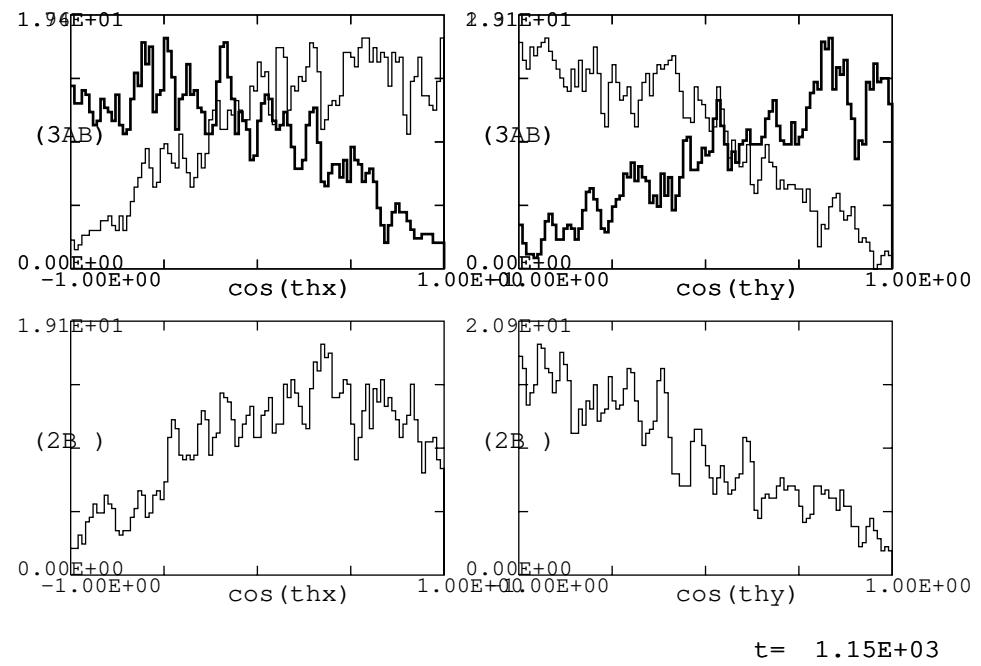
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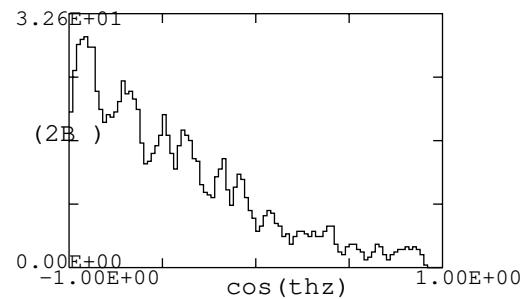
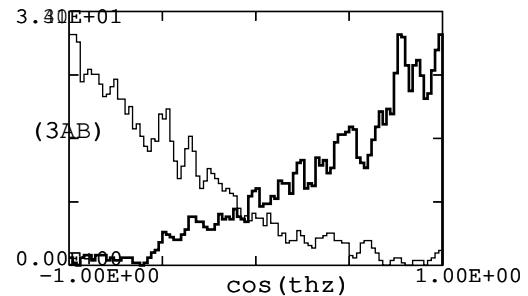
$t = 1.10E+03$

```
sp3_nucl /home/mtanaka/MPI_spin/spin1ldynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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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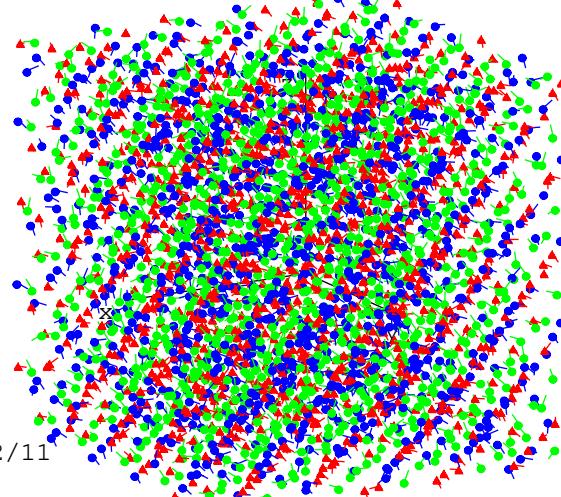




```

sp3_nucl      /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

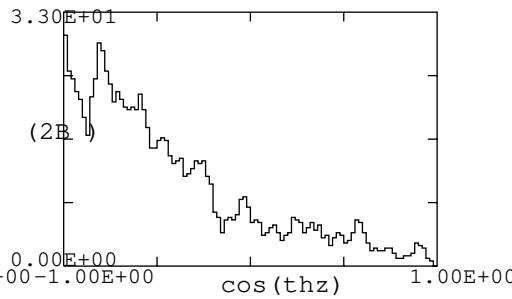
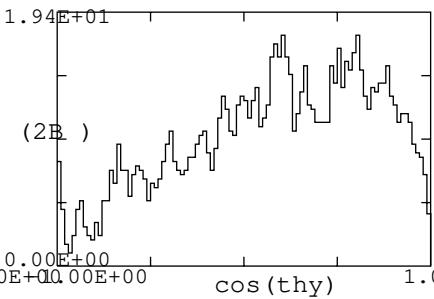
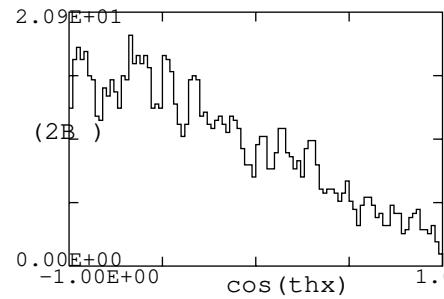
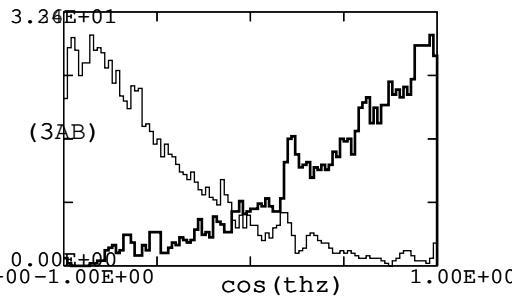
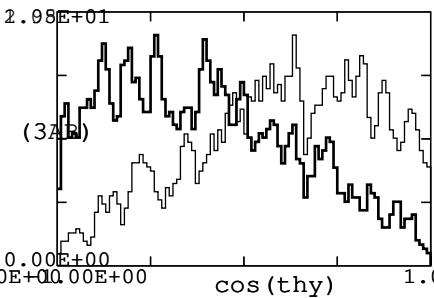
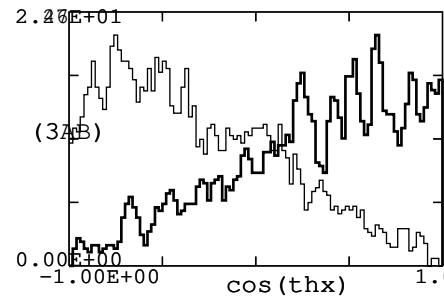
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$t = 1.15E+03$

$t = 1.20E+03$



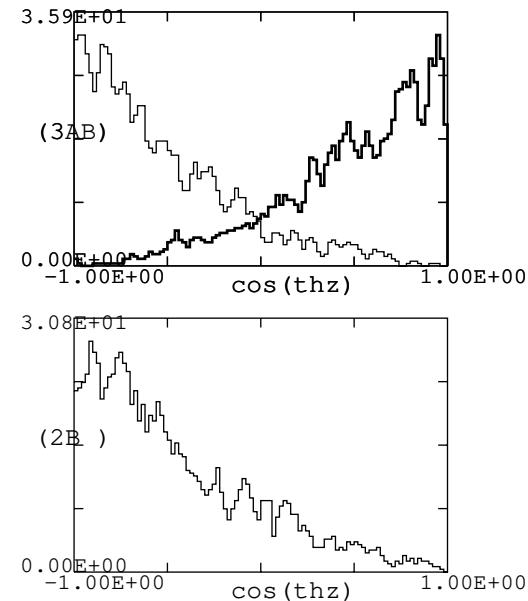
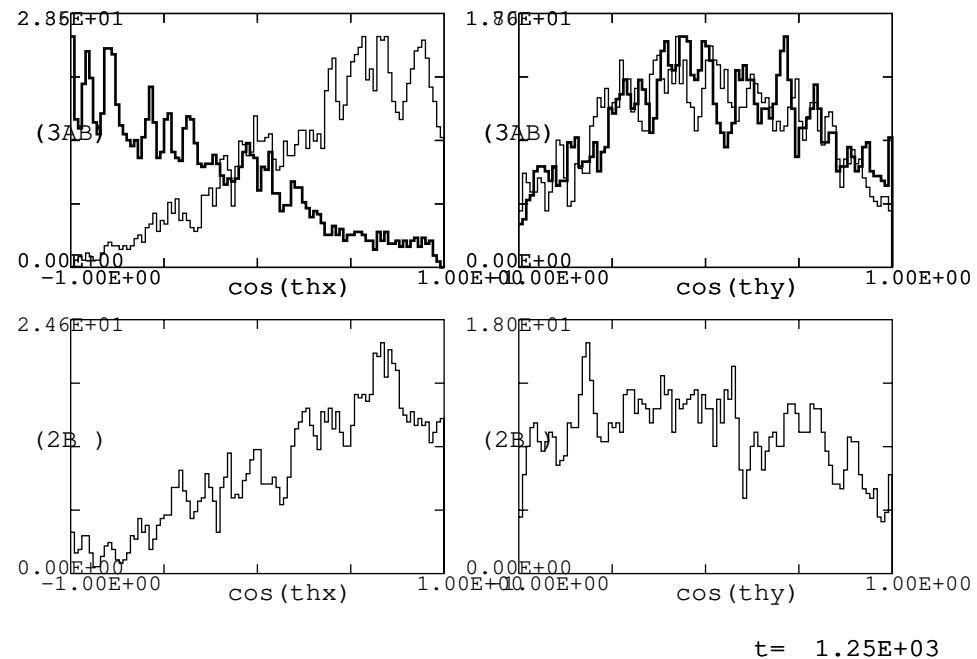
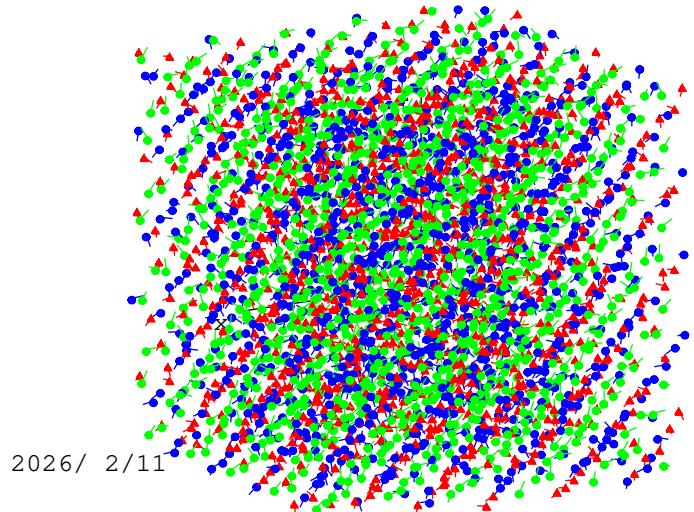
$t = 1.20E+03$

$t = 1.20E+03$

```

sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+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

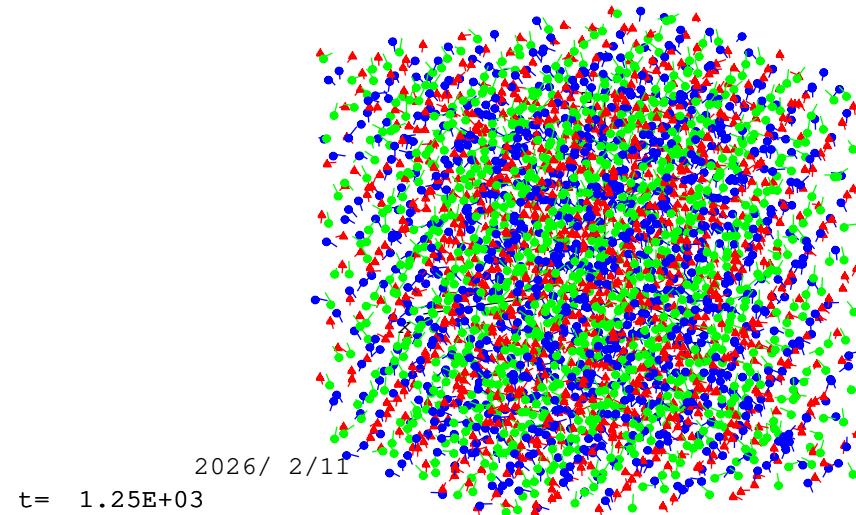
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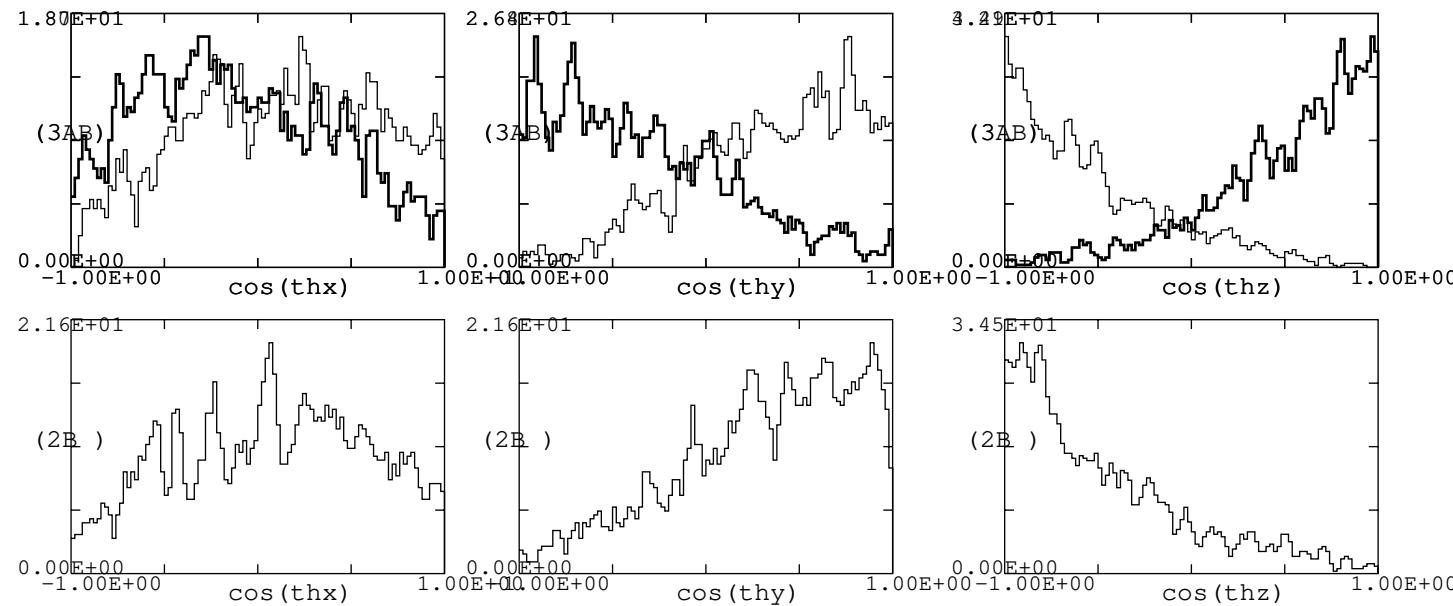


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sp3_nucl /home/mtanaka/MPI_spin/spin1dynamics (MD)
spin(A)=2.00E+00 Jaa=-3.00E-02 Temp= 2.00E+02 tau_dib=00E+03
spin(B)=2.50E+00 Jbb=-3.00E-02 Bapp= 5.00E+01 np= 3.00E+03
TCurie= 8.58E+02 Jab=-4.00E-01 dt= 1.00E-03
tau_b=4.00E+02

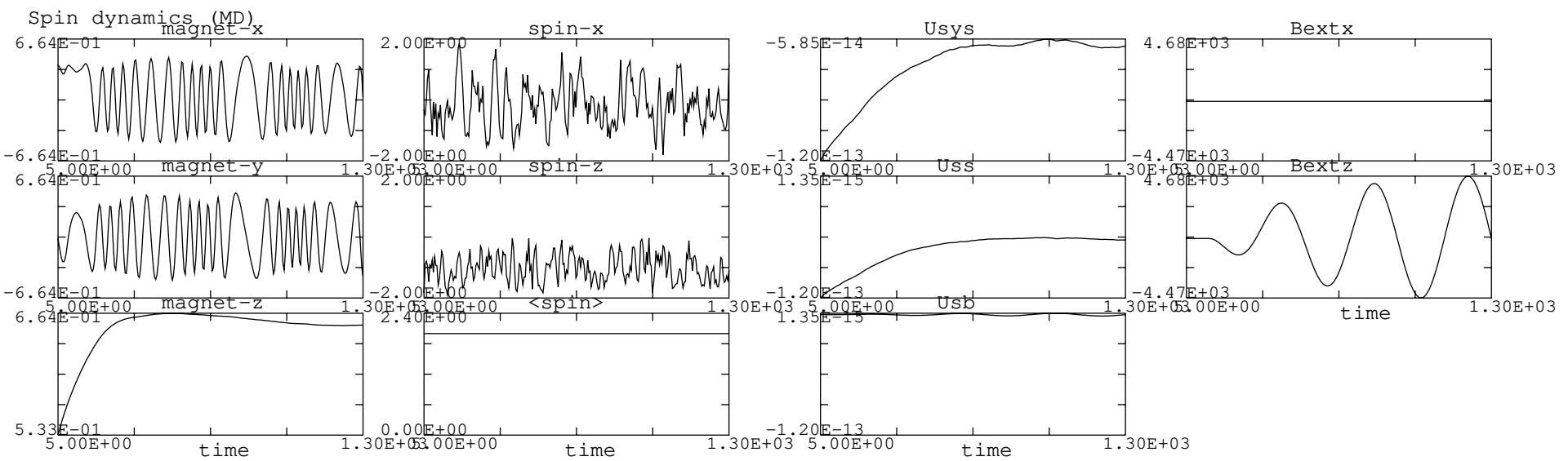
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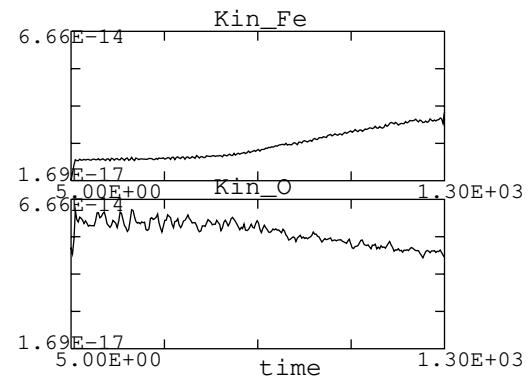
$t = 1.30E+03$

$t = 1.30E+03$



$t = 1.30E+03$

$t = 1.30E+03$



t= 1.30E+03