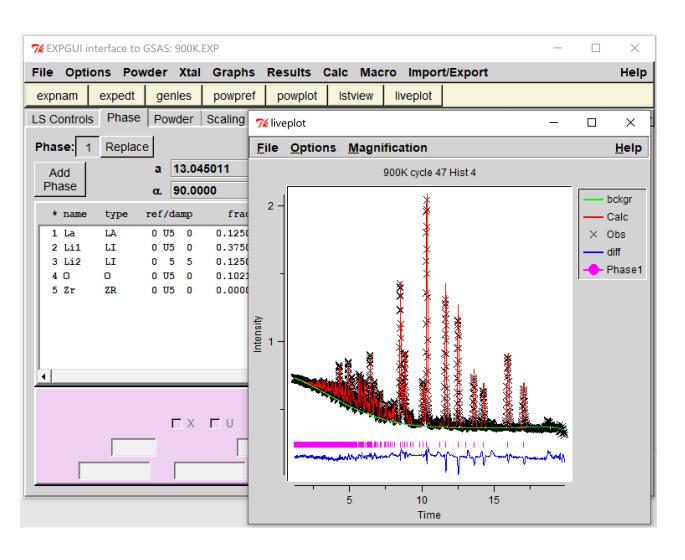
RMCProfile使用流程

准备NPDF数据文件

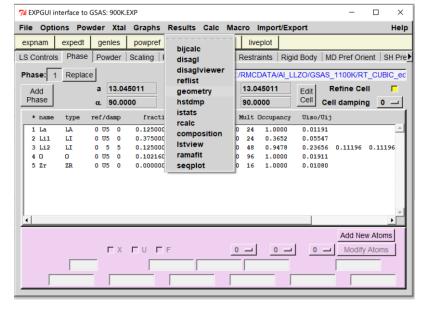
```
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ cp ../../Dove/PDF/GEM87467.mint01 .
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ cp ../../Dove/PDF/GEM87467.mdor01 .
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ ls
GEM87467.mdor01 GEM87467.mint01
```

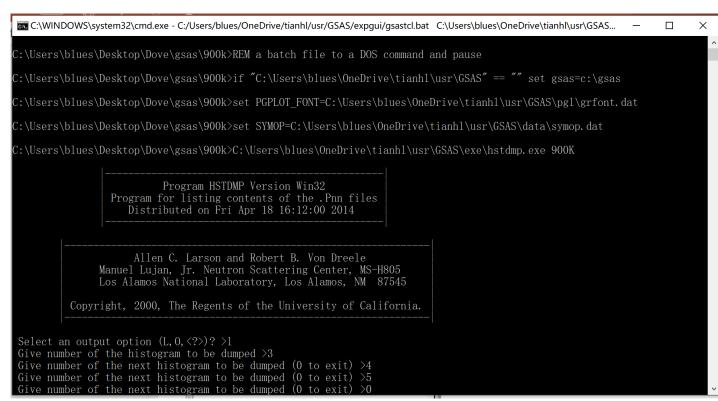
准备GSAS数据文件



准备GSAS-LST文件

- Result=>hstdmp
- 向LST文件中写入histogram





```
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ cp ../../Dove/gsas/900k/900K.LST LLZO_RMC6_9
00K.LST
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ ls
GEM87467.mdor01 GEM87467.mint01 LLZO_RMC6_900K.LST
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO RMC6 template/LLZO RMC6 900K.orig$ ■
```

准备GSAS-EXP文件

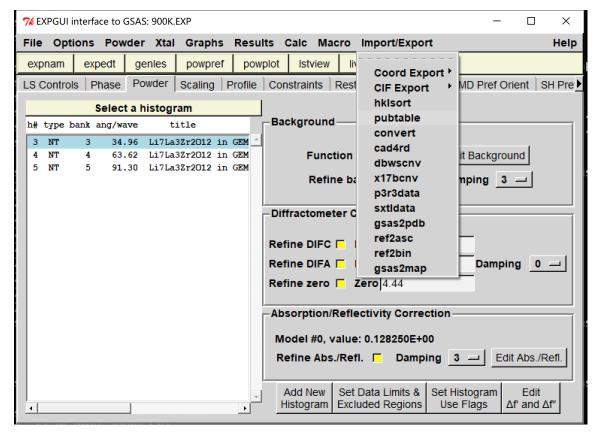
• 拷贝EXP文件

```
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ cp ../../Dove/gsas/900k/900K.EXP LLZO_RMC6_9
00K.EXP
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ ls
GEM87467.mdor01 GEM87467.mint01 LLZO_RMC6_900K.EXP LLZO_RMC6_900K.LST
```

准备GSAS-TBL文件

• Import/export=>pubtable





tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig\$ cp ../../Dove/gsas/900k/900K.TBL LLZO_RMC6_9 00K.TBL tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig\$ ls GEM87467.mdor01 GEM87467.mint01 LLZO RMC6 900K.EXP LLZO RMC6 900K.LST LLZO RMC6 900K.TBL

修改TBL文件,产生rmc6f文件

- 把占位比Fraction都改为1.0000
- 执行data2config,产生rmc6f的 配置文件

```
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ data2config -rmc6f -supercell [4 4 4] LLZO_R
MC6_900K.TBL
Request for metadata for configuration
Blank replies are acceptable (if foolish); they just cancel the request
... Name of material: LLZO
... Name of configuration owner: tianhl
... Source of structure: LLZO
... Additional notes: 900K
Job done by data2config. Enjoy your RMC journey!
```

数据文件整理

- 由于rmcprofile只能处理一个bank的文件,所以要选择bank
- Rmcprofile只能读四行inst文件,所以要删除一行

```
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ cp LLZO_RMC6_900K_4.back LLZO_RMC6_900K.bac
k
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ cp LLZO_RMC6_900K_4.bragg LLZO_RMC6_900K.br
agg
tianhl@tianhl-surface4:/mnt/c/Users/blues/Desktop/LLZO_RMC6_template/LLZO_RMC6_900K.orig$ ls
GEM87467.mdor01 LLZO_RMC6_900K_3.bragg LLZO_RMC6_900K_5.back LLZO_RMC6_900K.bragg LLZO_RMC6_900K.LST
GEM87467.mint01 LLZO_RMC6_900K_4.back LLZO_RMC6_900K_5.bragg LLZO_RMC6_900K.EXP LLZO_RMC6_900K.rmc6f
LLZO_RMC6_900K_3.back LLZO_RMC6_900K_4.bragg LLZO_RMC6_900K.back LLZO_RMC6_900K.inst_ LLZO_RMC6_900K.TBL
```

```
4.44000000000000004
                                                                             34.960000000000001
                         0.989999999999999
000000E+00 0.200000E+00 0.312302E+02 0.567270E+02
          0.598124E+01 0.000000E+00 0.000000E+00 0.000000E+00
4891.47000000000003
                         -2.009999999999998
                                                  -1.80000000000000000
                                                                             63.619999999999997
000000E+00 0.200000E+00 0.312302E+02 0.567270E+02
000000E+00 0.199267E+03 0.621466E+01
           0.440716E+01 0.000000E+00 0.000000E+00 0.000000E+00
100340E+00
                         -4.03000000000000002
                                                   -2.069999999999998
                                                                             91.370000000000005
000000E+00 0.200000E+00 0.312302E+02 0.567270E+02
000000E+00 0.939882E+02 0.595873E+00
701146E-01
```

运行文件

- 拷贝一个dat运行文件,做一些修改
- 执行rmcprofile LLZO_RMC6_900K 前缀要一致

查看运行结果

- 执行rmcplot LLZO_RMC6_900K
- •点击5,查看Bragg精修结果
- •点击3,点击1,查看PDF拟合结果

