```
#########Debug Flags
                    #IsDebug (default=false)
2
    0
                    #Enable energy loss (default=false)
 3
    119.25
                    #HRS Length (HRS_L or HRS_R) (cm)
   0.0
                    #D_x X offset(cm in TCS) between TCS and HCS
   0.0
                    #D_y Y offset(cm in TCS) between TCS and HCS
7
    -0.2668
                    #Beam X Center (cm), -0.02668 for x>2
8
   0.30220
                    #Beam Y Center (cm), 0.03022 for x>2
9
                    #Enable QFS cross section model to replace XEMC, default=false
                    #Enable Q2dep when Calculating Q.E. Peak (QFS model, default=false, not used in XEMC)
10
    160.00000
                    #Fermi_Moment,fermi momentum of target(MeV) (QFS model,not used in XEMC)
11
    15.000000
                    #NIE, nucleon interaction energy(MeV), shift QE central value (QFS model, not used in XE...
12
                    #DEL_SEP,delta separation energy(MeV), shift central value (QFS model,not used in XEMC)
13
    -5.50
14
                    #Which form factor: (QFS model,not used in XEMC)
    #
                          1: Proton 2:He3 3:He4 4:deuterium 5: Point 6: Uniform 7: Gaussian 8: Exponential
15
    #
                          9: Shell 10: Hollow exponential 11: ... 12: Yukawa I 13: Yukawa II
16
    #
                         14: Hollow Gaussian 15: Generalized shell model 16: Modified exponential
17
18
    #
                         17: C/Fe/Pb (QFS model, not used in XEMC)
                    #Internal Bremsstrahlung 0/1 Disable/Enable (Calculate Elastic Tail)
19
                    #Peak approximation of Internal Bremsstrahlung 0/1 Disable/Enable (Calculate Elastic T...
20
                    #External Bremsstrahlung 0/1 Disable/Enable (Calculate Elastic Tail)
21
                    #Multiple-Photon Correction 0/1 Disable/Enable (Calculate Elastic Tail)
22
23
                    #Enable raditive correction (default=true)
    5.0
                    #DeltaE (MeV) only for Quasielastic radiative correction
24
                    #XEMC Model Flag, 1->QE+DIS, 2->QE only, 3->Dis only
25
    #######Target
26
27
    He3
                    #Name
28
                    #Z: Atomic Number
29
    3.0160293
                    #A: Atomic Weight(g/mol)
                    #T target thickness(g/cm^2)
30
    0.65626
    0.032810
                    #target density(g/cm^3)
31
    0.000000
                    #z0 target center(cm)
32
33
    20.00000
                    #T_L target length(cm)
                    #T_H target height(cm)
    2.000000
34
35
    Entrance
                    #Name for target cell
36
                    #Z_i of initial window ( no zero )
37
    26.982
                    #A_i of initial window (g/mol) ( no zero )
                    #T_i target thickness of initial window(g/cm^2)
38
    0.0741
    2.700
39
                    #density of initial window(g/cm^3)
                    #Name for target cell
40
    Exit
                    #Z_f of initial window ( no zero )
41
    26.982
                    #A_f of initial window (g/mol) ( no zero )
42
                    #T_f target thickness of initial window(g/cm^2)
43
    0.0953
    2.700
                    #density of final window(g/cm^3)
44
                    #T_Theta target angle(deg) angle between beam and target(top view)
    0.0
45
                    #IsBump
46
    ##########Windows Before Magnetic
47
    #At least two materials, 1st and last
48
    #For 1st material, need distance to TCS Origin
49
    #For the other, just length
50
    #For the rest between those materials, assume it's air
51
    Vacuum
                    #Name
52
                    #Z: Atomic Number
53
    1.0
                    #: Atomic Weight(g/mol)
54
                    #D: Distance to TCS Origin (cm)
55
    #L will be changed according to Target Block
56
57
    0.0
                    #density(g/cm^3)
    0.0
                    #Raditation Length(g/cm^2)
58
    Αl
                    #Name
59
    13
                    #Z: Atomic Number
60
    26.982
                    #A: Atomic Weight(g/mol)
61
62
    3.048e-02
                    #L: Length (cm)
    2.70
                    #density(g/cm^3)
63
    24.01
                    #Raditation Length(g/cm^2)
    Kapton
                    #Name
65
                    #Z: Atomic Number
66
67
    9.80
                    #A: Atomic Weight(g/mol)
    1.778e-02
                    #L: Length (cm)
68
    1.42
                    #density(g/cm^3)
69
    40.61
                    #Raditation Length(g/cm^2)
```

```
#End of this block
71
72 #########Windows After Magnetic
73 #Need all materials between Q3 exit and fp
74 Titanium
                  #Name
                  #Z: Atomic Number
75 22
76 47.867
                  #A: Atomic Weight(g/mol)
77 1.016e-02
                  #L: Length (cm)
                  #density(g/cm^3)
78 4.54
                  #Raditation Length(g/cm^2)
   16.16
79
                  #Name
80 Vacuum
                  #Z: Atomic Number
81 0
                  #A: Atomic Weight(g/mol)
82 0.00
                  #L: Length (cm)
#density(g/cm^3)
#Raditation Length(g/cm^2)
83 357.0
84 0.00
85 0.00
86 -1
                   #End of this block
87
   ##########Final
   -1
                  #End of File
88
```