```
29Al, 235MeV, p=25 Torr, B=0.95 Tesla, Ti=0.35 mg/cm^2, Schiwietz, Thf=A1/2=-1.0 → Comment
5002  500   0   3   0   2   0  12  015     NR,NP,NSK,JFO,JMT,JNR,NPLT,NRX
235.     00.  .0001 .0  6.  29.  12.  00.0     0.0       EN,DE,NEN,MASS,Q,DM
2.  4.  28.  350. 7.  Ti  13.      25.      -0.074    0.153     -1
SHRT              Correction (ENGE ?)
0.       0.       0.       0.       1.       0.
DIPOLE            1st DIPOLE
1.0      1.0      1.0      1.0      2.0      LF1, LU1, LF2, DG1, MTYP     2
60.000   14.000   3.81     50.8     0.95     A, B, D, R, BF               3
40.0     37.      14.                        PHI, ALPHA, BETA             4
0.0      0.0      0.0      0.0      -20.0    +20.0     NDX,B,G,D,XS1,XS2  5
10.0     -8.00    -10.0    10.0                        Z11, Z12, Z21, Z22 6
0.2049   1.6821   -0.5654  0.4004   0.0011   0.1663    C01 --- C06        7
0.4952   1.9725   -0.7466  0.2897   -0.0591  0.0052    C11 --- C16        8
0.0001   0.214    0.0      0.0      0.294    0.294     BR1,2;XCR1,2;DS1,2 9
-0.050   0.0185                                 RAP1, RAP2        10
0.0      -0.000   0.0      0.0      0.0      0.0       0.0       S02-S07 11
0.0      +0.000   0.0      0.0      0.0      0.0       0.0       S12-S17 12
DIPOLE            2nd DIPOLE
1.0      1.0      1.0      1.0      2.0      LF1, LU1, LF2, DG1, MTYP     2
14.000   60.000   3.81     50.8     0.95     A, B, D, R, BF               3
74.0     35.      -19.                       PHI, ALPHA, BETA             4
0.0      0.0      0.0      0.0      -20.0    +20.0     NDX,B,G,D,XS1,XS2  5
10.0     -8.00    -8.0     20.0                        Z11, Z12, Z21, Z22 6
0.4952   1.9725   -0.7466  0.2897   -0.0591  0.0052    C11 --- C16        8
0.6149   1.2450   -0.5426  0.2332   -0.0545  0.0069    C01 --- C06        7
0.214    0.0001   0.0      0.0      0.294    0.000     BR1,2;XCR1,2;DS1,2 9
0.0      0.0                                    RAP1, RAP2        10
0.0      -0.000   0.0      0.0      0.0      0.0       0.0       S02-S07 11
0.0      +0.000   0.0      0.0      0.0      0.0       0.0       S12-S17 12
SHRT              Focal plane of detector
0.       0.       2.       0.       -41.3    0.
DRIFT             Plot rest of rays after SHROT
0.0
SENTINEL                                   NR>JNR   NRXS = 12
1.0      1.0      0.15     10.0     0.15     10.0      0.0
0.5      40.0     0.15     10.0     0.15     10.0      00.00     0.000
END DATA
```

Description:

5002 → **[(Number of projectiles) - 2]**

235. → **Projectile Energy Lab [MeV]**

.0001 → **Thicknesses of target [μ/cm^2]**

6. 29. 12. → **Z target, A projectile, A Target (respectively)**

2. 4. 28. 350. 7. Ti 13. 25. → **Gas pressure**

Charge exchange model: 0.=Dmitriev; 1.=Betz; 2.=Rehm; 3.=Ninov (low vel.); 4.=Schiwietz

0.95 → **B field [Tesla]**