Release notes for ENDF/B-VII.1 protons sublibrary

December 20, 2011
A LIST record is messed up, I don’t know which one: p-014_Si_028.endf, p-082_Pb_207.endf

A TAB1 (yield?) and an outgoing distribution don’t span the same energy region.: p-002_He_003.endf

All probability distributions should be normalized to 1, this one isn’t.: p-004_Be_009.endf, p-013_Al_027.endf, p-014_Si_028.endf, p-014_Si_030.endf, p-015_P_031.endf, p-024_Cr_050.endf, p-024_Cr_052.endf, p-024_Cr_053.endf, p-024_Cr_054.endf, p-028_Ni_058.endf, p-028_Ni_060.endf, p-028_Ni_061.endf, p-028_Ni_062.endf, p-028_Ni_064.endf, p-029_Cu_065.endf, p-041_Nb_093.endf, p-080_Hg_196.endf, p-080_Hg_198.endf, p-080_Hg_199.endf, p-080_Hg_200.endf, p-080_Hg_201.endf, p-080_Hg_202.endf, p-080_Hg_204.endf, p-082_Pb_206.endf, p-082_Pb_207.endf, p-082_Pb_208.endf

Q value is wrong.: p-004_Be_009.endf

The cross section and an outgoing distribution don’t span the same energy region.: p-001_H_003.endf, p-001_H_003.endf, p-001_H_002.endf, p-002_He_003.endf, p-004_Be_009.endf, p-006_C_012.endf, p-006_C_013.endf, p-007_N_014.endf, p-008_O_016.endf, p-013_Al_027.endf, p-014_Si_028.endf, p-014_Si_029.endf, p-014_Si_030.endf, p-015_P_031.endf, p-020_Ca_040.endf, p-024_Cr_050.endf, p-024_Cr_052.endf, p-024_Cr_053.endf, p-024_Cr_054.endf, p-026_Fe_054.endf, p-026_Fe_056.endf, p-026_Fe_057.endf, p-026_Fe_058.endf, p-028_Ni_058.endf, p-028_Ni_060.endf, p-028_Ni_061.endf, p-028_Ni_062.endf, p-028_Ni_064.endf, p-029_Cu_065.endf, p-041_Nb_093.endf, p-074_W_182.endf, p-074_W_183.endf, p-074_W_184.endf, p-074_W_186.endf, p-080_Hg_196.endf, p-080_Hg_198.endf, p-080_Hg_199.endf, p-080_Hg_200.endf, p-080_Hg_201.endf, p-080_Hg_202.endf, p-080_Hg_204.endf, p-082_Pb_206.endf, p-082_Pb_207.endf, p-082_Pb_208.endf, p-083_Bi_209.endf

Generic error message: p-006_C_013.endf

Negative multiplicity found: p-020_Ca_040.endf, p-024_Cr_052.endf, p-028_Ni_058.endf
**fizcon Errors:**

1. The mass field (AWI) is incorrectly set.

```
ERROR(S) FOUND IN MAT=125, MF=1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3
```

**fizcon Errors:**

1. The mass field (AWI) is incorrectly set.

```
ERROR(S) FOUND IN MAT=125, MF=1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3
```

**fizcon Errors:**

1. The cross section and an outgoing distribution don’t span the same energy region.

```
ERROR(S) FOUND IN MAT=131, MF=6, MT=50
SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT=50
```

2. The cross section and an outgoing distribution don’t span the same energy region.

```
ERROR(S) FOUND IN MAT=131, MF=3, MT=2
THE MAXIMUM INCIDENT ENERGY OF 1.20000E+07 (EV)
SHOULD BE GREATER THAN OR EQUAL TO 2.00000E+07
```

```
ERROR(S) FOUND IN MAT=131, MF=3, MT=650
THE MAXIMUM INCIDENT ENERGY OF 1.20000E+07 (EV)
SHOULD BE GREATER THAN OR EQUAL TO 2.00000E+07
```

**fizcon Errors:**

1. A TAB1 (yield?) and an outgoing distribution don’t span the same energy region.

```
ERROR(S) FOUND IN MAT=225, MF=6, MT=2
ENERGY RANGE FOR DISTRIBUTIONS IN LIST RECORDS
INCONSISTENT WITH TAB1 RECORD SEQUENCE NUMBER 5
```

2. The mass field (AWI) is incorrectly set.
Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

2. Q value is wrong.

3. The mass field (AWI) is incorrectly set.

Errors:

1. The mass field (AWI) is incorrectly set.
• **fizcon** Errors:

1. generic error message

   ```
   ERROR(S) FOUND IN MAT = 628, MF= 6, MT=102
   DISCRETE 2-BODY LAW NOT PERMITTED FOR MT= 102
   SEQUENCE NUMBER 2
   ```

2. The mass field (AWI) is incorrectly set.

   ```
   ERROR(S) FOUND IN MAT = 628, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01
   SEQUENCE NUMBER 3
   ```

---

**p-007_N_014.endf**

---

• **fizcon** Errors:

1. The mass field (AWI) is incorrectly set.

   ```
   ERROR(S) FOUND IN MAT = 725, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01
   SEQUENCE NUMBER 3
   ```

---

**p-008_O_016.endf**

---

• **fizcon** Errors:

1. The mass field (AWI) is incorrectly set.

   ```
   ERROR(S) FOUND IN MAT = 825, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01
   SEQUENCE NUMBER 3
   ```

---

**p-013_Al_027.endf**

---

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

   ```
   ERROR(S) FOUND IN MAT=1325, MF= 6, MT= 2
   CHECK NORMALIZATION= 1.000542 AT E= 4.5000E+06
   SEQUENCE NUMBER 98
   ```

2. The mass field (AWI) is incorrectly set.

   ```
   ERROR(S) FOUND IN MAT=1325, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01
   SEQUENCE NUMBER 3
   ```

---

**p-014_Si_028.endf**

---

• **fizcon** Errors:
1. A LIST record is messed up, I don't know which one

   ERROR(S) FOUND IN MAT=1425, MF= 6, MT= 5
   LIST OUT OF ORDER NEAR N= 19 SEQUENCE NUMBER 18
   LIST OUT OF ORDER NEAR N= 2 SEQUENCE NUMBER 575
   LIST OUT OF ORDER NEAR N= 32 SEQUENCE NUMBER 1431

2. All probability distributions should be normalized to 1, this one isn’t.

   ERROR(S) FOUND IN MAT=1425, MF= 6, MT= 2
   CHECK NORMALIZATION= 1.002029 AT E= 4.8000E+07 SEQUENCE NUMBER 683

3. The mass field (AWI) is incorrectly set.

   ERROR(S) FOUND IN MAT=1425, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:

   1. The mass field (AWI) is incorrectly set.

      ERROR(S) FOUND IN MAT=1428, MF= 1, MT=451
      AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:

   1. All probability distributions should be normalized to 1, this one isn’t.

      ERROR(S) FOUND IN MAT=1431, MF= 6, MT= 2
      CHECK NORMALIZATION= 1.000870 AT E= 4.2000E+07 SEQUENCE NUMBER 644

   2. The mass field (AWI) is incorrectly set.

      ERROR(S) FOUND IN MAT=1431, MF= 1, MT=451
      AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:

   1. All probability distributions should be normalized to 1, this one isn’t.

      ERROR(S) FOUND IN MAT=1525, MF= 6, MT= 2
      CHECK NORMALIZATION= 0.998554 AT E= 7.0000E+06 SEQUENCE NUMBER 307
2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=1525, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

---p-020_Ca_040.endf---

• fizcon Errors:

1. The cross section and an outgoing distribution don’t span the same energy region.

ERROR(S) FOUND IN MAT=2025, MF= 6, MT= 5
SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT= 5

2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=2025, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

---p-024_Cr_050.endf---

• fudge Errors:

1. Negative multiplicity found

WARNING: Negative multiplicity encountered for MF6, MT5 Sc39

---p-024_Cr_050.endf---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=2425, MF= 6, MT= 2
CHECK NORMALIZATION= 0.998953 AT E= 2.1000E+07 SEQUENCE NUMBER 507
CHECK NORMALIZATION= 1.001545 AT E= 2.2000E+07 SEQUENCE NUMBER 532

2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=2425, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

---p-024_Cr_052.endf---

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=2431, MF= 6, MT= 2
CHECK NORMALIZATION= 0.997396 AT E= 2.1000E+07 SEQUENCE NUMBER 507
CHECK NORMALIZATION= 1.000728 AT E= 2.2000E+07 SEQUENCE NUMBER 532
2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=2431, MF=1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fudge Errors:

1. Negative multiplicity found

WARNING: Negative multiplicity encountered for MF6, MT5 H1

WARNING: Negative multiplicity encountered for MF6, MT5 Cr52

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=2434, MF=6, MT=2
CHECK NORMALIZATION= 0.995529 AT E= 2.1000E+07 SEQUENCE NUMBER 507

2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=2434, MF=1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=2437, MF=6, MT=2
CHECK NORMALIZATION= 0.998986 AT E= 2.0000E+07 SEQUENCE NUMBER 482
CHECK NORMALIZATION= 1.003918 AT E= 2.1000E+07 SEQUENCE NUMBER 507

2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=2437, MF=1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:

1. The mass field (AWI) is incorrectly set.
ERROR(S) FOUND IN MAT=2625, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01 SEQUENCE NUMBER  3

________________________________________________________________________
p-026_Fe_056.endf

• fizcon Errors:
  1. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=2631, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01 SEQUENCE NUMBER  3

________________________________________________________________________
p-026_Fe_057.endf

• fizcon Errors:
  1. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=2634, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01 SEQUENCE NUMBER  3

________________________________________________________________________
p-028_Ni_058.endf

• fizcon Errors:
  1. The cross section and an outgoing distribution don’t span the same energy region.

ERROR(S) FOUND IN MAT=2825, MF= 6, MT= 5
SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT= 5

  2. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=2825, MF= 6, MT= 2
CHECK NORMALIZATION= 0.999495 AT E= 2.7000E+07 SEQUENCE NUMBER  657
CHECK NORMALIZATION= 1.005081 AT E= 2.8000E+07 SEQUENCE NUMBER  682
CHECK NORMALIZATION= 1.000503 AT E= 2.9000E+07 SEQUENCE NUMBER  707

  3. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=2825, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01 SEQUENCE NUMBER  3

• fudge Errors:
  1. Negative multiplicity found

WARNING: Negative multiplicity encountered for MF6, MT5 Cu57
• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

   ERROR(S) FOUND IN MAT=2831, MF= 6, MT= 2
   CHECK NORMALIZATION= 0.999454 AT E= 2.6000E+07 SEQUENCE NUMBER 632
   CHECK NORMALIZATION= 0.998743 AT E= 2.7000E+07 SEQUENCE NUMBER 657
   CHECK NORMALIZATION= 1.001906 AT E= 2.8000E+07 SEQUENCE NUMBER 682

2. The mass field (AWI) is incorrectly set.

   ERROR(S) FOUND IN MAT=2831, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

   ERROR(S) FOUND IN MAT=2834, MF= 6, MT= 2
   CHECK NORMALIZATION= 1.000959 AT E= 2.8000E+07 SEQUENCE NUMBER 682

2. The mass field (AWI) is incorrectly set.

   ERROR(S) FOUND IN MAT=2834, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

   ERROR(S) FOUND IN MAT=2837, MF= 6, MT= 2
   CHECK NORMALIZATION= 0.998802 AT E= 2.7000E+07 SEQUENCE NUMBER 657
   CHECK NORMALIZATION= 1.001122 AT E= 2.8000E+07 SEQUENCE NUMBER 682
   CHECK NORMALIZATION= 1.000543 AT E= 2.9000E+07 SEQUENCE NUMBER 707

2. The mass field (AWI) is incorrectly set.

   ERROR(S) FOUND IN MAT=2837, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:
1. All probability distributions should be normalized to 1, this one isn’t.
   ERROR(S) FOUND IN MAT=2843, MF= 6, MT= 2
   CHECK NORMALIZATION= 0.995289 AT E= 2.7000E+07 SEQUENCE NUMBER 657

2. The mass field (AWI) is incorrectly set.
   ERROR(S) FOUND IN MAT=2843, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

---

fizcon Errors:

1. The cross section and an outgoing distribution don’t span the same energy region.
   ERROR(S) FOUND IN MAT=2925, MF= 6, MT= 5
   SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT= 5

2. The mass field (AWI) is incorrectly set.
   ERROR(S) FOUND IN MAT=2925, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

---

fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.
   ERROR(S) FOUND IN MAT=2931, MF= 6, MT= 2
   CHECK NORMALIZATION= 0.999016 AT E= 3.5000E+07 SEQUENCE NUMBER 782

2. The mass field (AWI) is incorrectly set.
   ERROR(S) FOUND IN MAT=2931, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

---

fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.
   ERROR(S) FOUND IN MAT=4125, MF= 6, MT= 2
   CHECK NORMALIZATION= 1.003120 AT E= 3.0000E+07 SEQUENCE NUMBER 1057
   ERROR(S) FOUND IN MAT=4125, MF= 6, MT= 5
   CHECK NORMALIZATION= 0.000000 AT E= 2.0000E+06 SEQUENCE NUMBER 1536
2. The mass field (AWI) is incorrectly set.

```
ERROR(S) FOUND IN MAT=4125, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01  SEQUENCE NUMBER 3
```

```
p-074_W_182.endf
```

• **fizcon Errors:**

1. The mass field (AWI) is incorrectly set.

```
ERROR(S) FOUND IN MAT=7431, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01  SEQUENCE NUMBER 3
```

```
p-074_W_183.endf
```

• **fizcon Errors:**

1. The mass field (AWI) is incorrectly set.

```
ERROR(S) FOUND IN MAT=7434, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01  SEQUENCE NUMBER 3
```

```
p-074_W_184.endf
```

• **fizcon Errors:**

1. The mass field (AWI) is incorrectly set.

```
ERROR(S) FOUND IN MAT=7437, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01  SEQUENCE NUMBER 3
```

```
p-074_W_186.endf
```

• **fizcon Errors:**

1. The mass field (AWI) is incorrectly set.

```
ERROR(S) FOUND IN MAT=7443, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01  SEQUENCE NUMBER 3
```

```
p-080_Hg_196.endf
```

• **fizcon Errors:**

1. All probability distributions should be normalized to 1, this one isn’t.
2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=8025, MF= 1, MT=451
AWI SHOULD BE SET TO  9.98623E-01  SEQUENCE NUMBER 3

-----------------------------------------------p-080_Hg_198.endf-----------------------------------------------

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=8031, MF= 6, MT= 2
CHECK NORMALIZATION= 1.000533 AT E= 3.1000E+07 SEQUENCE NUMBER 937
CHECK NORMALIZATION= 1.011887 AT E= 5.9000E+07 SEQUENCE NUMBER 1805
CHECK NORMALIZATION= 1.000761 AT E= 6.0000E+07 SEQUENCE NUMBER 1836

...
• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=8037, MF= 6, MT= 2
CHECK NORMALIZATION= 0.998462 AT E= 2.7000E+07 SEQUENCE NUMBER 813
CHECK NORMALIZATION= 1.001317 AT E= 5.8000E+07 SEQUENCE NUMBER 1774
CHECK NORMALIZATION= 1.009369 AT E= 5.9000E+07 SEQUENCE NUMBER 1805

2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=8037, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=8040, MF= 6, MT= 2
CHECK NORMALIZATION= 1.001340 AT E= 3.2000E+07 SEQUENCE NUMBER 968
CHECK NORMALIZATION= 0.997543 AT E= 5.9000E+07 SEQUENCE NUMBER 1805
CHECK NORMALIZATION= 0.998812 AT E= 6.0000E+07 SEQUENCE NUMBER 1836

2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=8040, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=8043, MF= 6, MT= 2
CHECK NORMALIZATION= 0.998990 AT E= 2.7000E+07 SEQUENCE NUMBER 813
CHECK NORMALIZATION= 1.000523 AT E= 2.8000E+07 SEQUENCE NUMBER 844
CHECK NORMALIZATION= 0.991623 AT E= 5.9000E+07 SEQUENCE NUMBER 1805

2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=8043, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3
• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

   ERROR(S) FOUND IN MAT=8049, MF= 6, MT= 2
   CHECK NORMALIZATION= 0.999351 AT E= 2.6000E+07 SEQUENCE NUMBER 782
   CHECK NORMALIZATION= 1.000917 AT E= 2.7000E+07 SEQUENCE NUMBER 813
   CHECK NORMALIZATION= 1.001495 AT E= 5.9000E+07 SEQUENCE NUMBER 1805

   ...

2. The mass field (AWI) is incorrectly set.

   ERROR(S) FOUND IN MAT=8049, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• **fizcon** Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

   ERROR(S) FOUND IN MAT=8231, MF= 6, MT= 2
   CHECK NORMALIZATION= 1.000832 AT E= 3.5000E+07 SEQUENCE NUMBER 241
   CHECK NORMALIZATION= 0.999172 AT E= 4.5000E+07 SEQUENCE NUMBER 267

   ERROR(S) FOUND IN MAT=8231, MF= 6, MT= 5
   CHECK NORMALIZATION= 1.005970 AT E= 9.0000E+06 SEQUENCE NUMBER 1434

2. The mass field (AWI) is incorrectly set.

   ERROR(S) FOUND IN MAT=8231, MF= 1, MT=451
   AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

• **fizcon** Errors:

1. A LIST record is messed up, I don’t know which one

   ERROR(S) FOUND IN MAT=8234, MF= 6, MT= 5
   LIST OUT OF ORDER NEAR N= 5 SEQUENCE NUMBER 10598
   CHECK NORMALIZATION= 1.166597 AT E= 1.1000E+07 SEQUENCE NUMBER 12454
   CHECK NORMALIZATION=*********** AT E= 1.5000E+08 SEQUENCE NUMBER 12450

2. All probability distributions should be normalized to 1, this one isn’t.
3. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=8234, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

p-082_Pb_208.endf

• fizcon Errors:

1. All probability distributions should be normalized to 1, this one isn’t.

ERROR(S) FOUND IN MAT=8237, MF= 6, MT= 5
CHECK NORMALIZATION= 1.262763 AT E= 1.2000E+07 SEQUENCE NUMBER 9563
SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT= 5

2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=8237, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3

p-083_Bi_209.endf

• fizcon Errors:

1. The cross section and an outgoing distribution don’t span the same energy region.

ERROR(S) FOUND IN MAT=8325, MF= 6, MT= 5
SECTION DOES NOT SPAN THE SAME ENERGY RANGE AS FILE 3, MT= 5

2. The mass field (AWI) is incorrectly set.

ERROR(S) FOUND IN MAT=8325, MF= 1, MT=451
AWI SHOULD BE SET TO 9.98623E-01 SEQUENCE NUMBER 3