Release notes for ENDF/B Development p-020_Ca_040 evaluation

December 2, 2016

- `checkr` Warnings:

  1. A previous error halted parsing of the current section
     MAT=2025, MF= 1, MT=451 (1): Parsing stopped

     ```
     ERROR(S) FOUND IN MAT=2025, MF= 1, MT=451
        SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      158 TO     163
     ```

- `checkr` Errors:

  1. A variable is outside the allowed ENDF range
     MAT=2025, MF= 1, MT=451 (0): Variable range

     ```
     ERROR(S) FOUND IN MAT=2025, MF= 1, MT=451
        MOD =     1 OUT OF RANGE     0 -     0           RECORD NUMBER     158
     ```

  2. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=2025, MF= 3, MT= 2 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=2025, MF= 3, MT=  2
        SECTION  3/  2 NOT IN DIRECTORY                 RECORD NUMBER     165
     ```

  3. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=2025, MF= 3, MT= 5 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=2025, MF= 3, MT=  5
        SECTION  3/  5 NOT IN DIRECTORY                 RECORD NUMBER     184
     ```

  4. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=2025, MF= 6, MT= 2 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=2025, MF= 6, MT=  2
        SECTION  6/  2 NOT IN DIRECTORY                 RECORD NUMBER     254
     ```

  5. Missing a section in directory so your directory is messed up. This error will break everything else
     MAT=2025, MF= 6, MT= 5 (0): Directory (b)

     ```
     ERROR(S) FOUND IN MAT=2025, MF= 6, MT=  5
        SECTION  6/  5 NOT IN DIRECTORY                 RECORD NUMBER     833
     ```

- `fizcon` Errors:

  1. The mass field (AWI) is incorrectly set.
     MAT=2025, MF= 1, MT=451 (1): Bad mass

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

  2. The cross section and an outgoing distribution don't span the same energy region.
     MAT=2025, MF= 6, MT= 5 (1): Diff limits (a)

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

- `linear` Errors:

  1. Negative cross section found
     0: Neg. Sig(E)

```
Linearize ENDF/B Cross Sections (LINEAR 2015-1)
-------------------------------------------------------------------------------
Retrieval Criteria-----------        MAT
Monitor Mode-----------------        Off
Minimum Cross Section-------- 1.0000E-10 (Default Option)
... [42 more lines]
```

- `fudge-4.0` Errors:

  1. Negative multiplicity found
     Reading ENDF file: ../p-020_Ca_040.endf (Error # 0): Neg. mult.

```
WARNING: Negative multiplicity encountered for MF6, MT5 Sc39
```

  2. Energy range of data set does not match cross section range
     reaction label 1: sumOfRemainingOutputChannels / Product: n / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

  3. Energy range of data set does not match cross section range
     reaction label 1: sumOfRemainingOutputChannels / Product: n / Distribution: / Kalbach-Mann - KalbachMann: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

  4. Energy range of data set does not match cross section range
     reaction label 1: sumOfRemainingOutputChannels / Product: H1 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

  5. Energy range of data set does not match cross section range
     reaction label 1: sumOfRemainingOutputChannels / Product: H1 / Distribution: / KalbachMann - KalbachMann: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

  6. Energy range of data set does not match cross section range
     reaction label 1: sumOfRemainingOutputChannels / Product: H2 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

  7. Energy range of data set does not match cross section range
     reaction label 1: sumOfRemainingOutputChannels / Product: H2 / Distribution: / KalbachMann - KalbachMann: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

8. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: H3 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

9. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: H3 / Distribution: / KalbachMann - KalbachMann: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

10. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: He4 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

11. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: He4 / Distribution: / KalbachMann - KalbachMann: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

12. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg22 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

13. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg22 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

14. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg22 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

15. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg23 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

16. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg23 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

17. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg23 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

18. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg24 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

19. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg24 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

20. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg24 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

21. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg25 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

22. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg25 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

23. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg25 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

24. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg26 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

25. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg26 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

26. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg26 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

27. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg27 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

28. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg27 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

29. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg27 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

30. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg28 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

31. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg28 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

32. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Mg28 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

33. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al24 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

34. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al24 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

35. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al24 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

36. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al25 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

37. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al25 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

38. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al25 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

39. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al26 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

40. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al26 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

41. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al26 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

42. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al27 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

43. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al27 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

44. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al27 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

45. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al28 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

46. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al28 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

47. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al28 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

48. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al29 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

49. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al29 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

50. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al29 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

51. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al30 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

52. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al30 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

53. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Al30 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

54. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si26 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

55. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si26 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

56. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si26 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

57. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si27 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

58. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si27 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

59. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si27 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

60. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si28 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

61. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si28 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

62. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si28 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

63. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si29 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

64. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si29 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

65. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si29 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

66. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si30 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

67. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si30 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

68. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si30 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

69. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si31 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

70. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si31 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

71. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si31 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

72. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si32 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

73. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si32 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

74. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Si32 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

75. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P28 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

76. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P28 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

77. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P28 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

78. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P29 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

79. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P29 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

80. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P29 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

81. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P30 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

82. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P30 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

83. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P30 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

84. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P31 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

85. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P31 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

86. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P31 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

87. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P32 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

88. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P32 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

89. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P32 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

90. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P33 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

91. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P33 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

92. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P33 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

93. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P34 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

94. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P34 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

95. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: P34 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

96. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S30 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

97. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S30 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

98. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S30 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

99. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S31 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

100. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S31 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

101. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S31 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

102. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S32 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

103. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S32 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

104. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S32 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

105. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S33 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

106. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S33 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

107. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S33 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

108. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S34 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

109. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S34 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

110. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S34 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

111. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S35 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

112. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S35 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

113. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S35 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

114. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S36 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

115. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S36 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

116. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: S36 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

117. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl32 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

118. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl32 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

119. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl32 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

120. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl33 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

121. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl33 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

122. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl33 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

123. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl34 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

124. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl34 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

125. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl34 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

126. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl35 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

127. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl35 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

128. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl35 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

129. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl36 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

130. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl36 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

131. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl36 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

132. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl37 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

133. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl37 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

134. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Cl37 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

135. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar34 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

136. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar34 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

137. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar34 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

138. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar35 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

139. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar35 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

140. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar35 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

141. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar36 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

142. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar36 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

143. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar36 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

144. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar37 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

145. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar37 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

146. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar37 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

147. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar38 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

148. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar38 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

149. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ar38 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

150. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K36 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

151. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K36 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

152. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K36 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

153. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K37 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

154. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K37 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

155. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K37 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

156. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K38 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

157. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K38 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

158. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K38 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

159. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K39 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

160. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K39 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

161. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: K39 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

162. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ca38 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

163. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ca38 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

164. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ca38 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

165. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ca39 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

166. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ca39 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

167. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ca39 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

168. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ca40 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

169. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ca40 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

170. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Ca40 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

171. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Sc39 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

172. Negative multiplicity found
reaction label 1: sumOfRemainingOutputChannels / Product: Sc39 (Error # 1): Neg. mult.

```
WARNING: Encountered negative multiplicity (-9.700108e-05)!
```

173. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Sc39 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

174. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Sc39 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

175. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Sc40 / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

176. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Sc40 / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

177. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: Sc40 / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

178. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: gamma / Multiplicity: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

179. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: gamma / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

180. Energy range of data set does not match cross section range
reaction label 1: sumOfRemainingOutputChannels / Product: gamma / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

```
WARNING: Domain doesn't match the cross section domain: (3436708.0 -> 250000000.0) vs (3430000.0 -> 150000000.0)
```

- `xsectplotter` Errors:

1. Negative multiplicity found
(Error # 2): Neg. mult.

```
WARNING: Negative multiplicity encountered for MF6, MT5 Sc39
```