Release notes for ENDF/B Development n-076_Os_188 evaluation

April 26, 2017

- `groupie` Errors:
  1. Very small elastic cross section found
     0: Small elastic

```
Multi-Group and Multi-Band Parameters from ENDF/B Data (GROUPIE 2015-2)
--------------------------------------------------------------------------------
ENDF/B Input and Output Data Filenames
ENDFB.IN
ENDFB.OUT
... [97 more lines]
```

- `fudge-4.0` Warnings:
  1. FIXME: Another genuine fudge bug!
     (Error # 2): Fudge check bug

```
FAILURE: ENDF EVALUATION CHECKING HALTED BECAUSE 'database' object has no attribute 'check''database' object has
```

- `fudge-4.0` Errors:
  1. Exception AttributeError was thrown
     FAILURE: ENDF EVALUATION CHECKING HALTED BECAUSE 'database' object has no attribute 'check"database' object has no attribute 'check' (Error # 1): AttributeError

```
AttributeError: 'database' object has no attribute 'check'
```

- `njoy2012` Warnings:
  1. Recoil is not given, so one-particle recoil approximation used.
     heatr...prompt kerma (0): HEATR/hinit (4)

```
---message from hinit---mf6, mt 16 does not give recoil za= 76187
                        one-particle recoil approx. used.
```

  2. Recoil is not given, so one-particle recoil approximation used.
     heatr...prompt kerma (1): HEATR/hinit (4)

```
---message from hinit---mf6, mt 17 does not give recoil za= 76186
                        one-particle recoil approx. used.
```

  3. Recoil is not given, so one-particle recoil approximation used.
     heatr...prompt kerma (2): HEATR/hinit (4)

```
---message from hinit---mf6, mt 22 does not give recoil za= 74184
                        one-particle recoil approx. used.
```

  4. Recoil is not given, so one-particle recoil approximation used.
     heatr...prompt kerma (3): HEATR/hinit (4)

```
---message from hinit---mf6, mt 24 does not give recoil za= 74183
                        one-particle recoil approx. used.
```

5. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (4): HEATR/hinit (4)

```
---message from hinit---mf6, mt 28 does not give recoil za= 75187
                        one-particle recoil approx. used.
```

6. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (5): HEATR/hinit (4)

```
---message from hinit---mf6, mt 32 does not give recoil za= 75186
                        one-particle recoil approx. used.
```

7. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (6): HEATR/hinit (4)

```
---message from hinit---mf6, mt 33 does not give recoil za= 75185
                        one-particle recoil approx. used.
```

8. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (7): HEATR/hinit (4)

```
---message from hinit---mf6, mt 51 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

9. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (8): HEATR/hinit (4)

```
---message from hinit---mf6, mt 52 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

10. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (9): HEATR/hinit (4)

```
---message from hinit---mf6, mt 53 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

11. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (10): HEATR/hinit (4)

```
---message from hinit---mf6, mt 54 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

12. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (11): HEATR/hinit (4)

```
---message from hinit---mf6, mt 55 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

13. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (12): HEATR/hinit (4)

```
---message from hinit---mf6, mt 56 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

14. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (13): HEATR/hinit (4)

```
---message from hinit---mf6, mt 57 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

15. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (14): HEATR/hinit (4)

```
---message from hinit---mf6, mt 58 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

16. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (15): HEATR/hinit (4)

```
---message from hinit---mf6, mt 59 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

17. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (16): HEATR/hinit (4)

```
---message from hinit---mf6, mt 60 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

18. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (17): HEATR/hinit (4)

```
---message from hinit---mf6, mt 61 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

19. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (18): HEATR/hinit (4)

```
---message from hinit---mf6, mt 62 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

20. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (19): HEATR/hinit (4)

```
---message from hinit---mf6, mt 63 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

21. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (20): HEATR/hinit (4)

```
---message from hinit---mf6, mt 64 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

22. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (21): HEATR/hinit (4)

```
---message from hinit---mf6, mt 65 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

23. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (22): HEATR/hinit (4)

```
---message from hinit---mf6, mt 66 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

24. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (23): HEATR/hinit (4)

```
---message from hinit---mf6, mt 67 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

25. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (24): HEATR/hinit (4)

```
---message from hinit---mf6, mt 68 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

26. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (25): HEATR/hinit (4)

```
---message from hinit---mf6, mt 69 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

27. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (26): HEATR/hinit (4)

```
---message from hinit---mf6, mt 70 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

28. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (27): HEATR/hinit (4)

```
---message from hinit---mf6, mt 71 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

29. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (28): HEATR/hinit (4)

```
---message from hinit---mf6, mt 72 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

30. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (29): HEATR/hinit (4)

```
---message from hinit---mf6, mt 73 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

31. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (30): HEATR/hinit (4)

```
---message from hinit---mf6, mt 74 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

32. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (31): HEATR/hinit (4)

```
---message from hinit---mf6, mt 75 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

33. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (32): HEATR/hinit (4)

```
---message from hinit---mf6, mt 76 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

34. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (33): HEATR/hinit (4)

```
---message from hinit---mf6, mt 77 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

35. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (34): HEATR/hinit (4)

```
---message from hinit---mf6, mt 78 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

36. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (35): HEATR/hinit (4)

```
---message from hinit---mf6, mt 79 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

37. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (36): HEATR/hinit (4)

```
---message from hinit---mf6, mt 80 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

38. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (37): HEATR/hinit (4)

```
---message from hinit---mf6, mt 81 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

39. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (38): HEATR/hinit (4)

```
---message from hinit---mf6, mt 82 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

40. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (39): HEATR/hinit (4)

```
---message from hinit---mf6, mt 83 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

41. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (40): HEATR/hinit (4)

```
---message from hinit---mf6, mt 84 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

42. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (41): HEATR/hinit (4)

```
---message from hinit---mf6, mt 85 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

43. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (42): HEATR/hinit (4)

```
---message from hinit---mf6, mt 86 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

44. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (43): HEATR/hinit (4)

```
---message from hinit---mf6, mt 87 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

45. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (44): HEATR/hinit (4)

```
---message from hinit---mf6, mt 88 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

46. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (45): HEATR/hinit (4)

```
---message from hinit---mf6, mt 89 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

47. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (46): HEATR/hinit (4)

```
---message from hinit---mf6, mt 90 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

48. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (47): HEATR/hinit (4)

```
---message from hinit---mf6, mt 91 does not give recoil za= 76188
                        one-particle recoil approx. used.
```

49. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (48): HEATR/hinit (4)

```
---message from hinit---mf6, mt102 does not give recoil za= 76189
                        photon momentum recoil used.
```

50. Generic warning message
groupr...compute self-shielded group-averaged cross-sections (0): Warning

```
---message from stderr
*** glibc detected *** /home/dbrown/advance.trunk/src/project_endf/code_runners/njoy2012/xnjoy: free(): invalid
```

- `njoy2012` Failures:

  1. ValueError("CodeRunner njoy2012 did not generate the following files:['n-076_Os_188.ace']",)
  Run failed, not files generated!

```
Traceback (most recent call last):
  File "/home/dbrown/advance.trunk/src/advance/code_runner.py", line 217, in run
    self.checkForProducts( workdir, prefix )
  File "/home/dbrown/advance.trunk/src/advance/code_runner.py", line 384, in checkForProducts
    if missingList != []: raise ValueError( "CodeRunner "+self.name+" did not generate the following files:"+str
... [2 more lines]
```

- `acelst` Failures:

  1. ValueError("Missing dependencies for CodeRunner acelst:['n-076_Os_188.ace']",)
     Run failed!

```
Traceback (most recent call last):
  File "/home/dbrown/advance.trunk/src/advance/code_runner.py", line 213, in run
    self.checkForDependencies( workdir, prefix )
  File "/home/dbrown/advance.trunk/src/advance/code_runner.py", line 374, in checkForDependencies
    if missingList != []: raise ValueError( "Missing dependencies for CodeRunner "+self.name+":"+str( missingLis
... [2 more lines]
```

- `njoy4web` Failures:

  1. ValueError("Missing dependencies for CodeRunner njoy4web:['n-076_Os_188.ace']",)
     Run failed!

```
Traceback (most recent call last):
  File "/home/dbrown/advance.trunk/src/advance/code_runner.py", line 213, in run
    self.checkForDependencies( workdir, prefix )
  File "/home/dbrown/advance.trunk/src/advance/code_runner.py", line 374, in checkForDependencies
    if missingList != []: raise ValueError( "Missing dependencies for CodeRunner "+self.name+":"+str( missingLis
... [2 more lines]
```