

```
[tmishra@cmslpc27 src]$ python formatIntegrationInputs.py -u tmishra -d
7fa7e3991cc136aa42d1a55734eec116fcf6abd0
Name collision 'ansi' between
    ansi|ansi/pc-term compatible with color
and   ansi|ansi/pc-term compatible with color
...now ansi/pc-term compatible with color
Cannot remove alias 'ansi/pc-term compatible with color'
Name collision 'dumb' between
    dumb|80-column dumb tty
and   dumb|80-column dumb tty
...now 80-column dumb tty
Cannot remove alias '80-column dumb tty'
Name collision 'linux' between
    linux|linux console
and   linux|linux console
...now linux console
Cannot remove alias 'linux console'
Name collision 'vt100-nav' between
    vt100-nav|vt100 without advanced video option
and   vt100-nav|vt100 without advanced video option
...now vt100 without advanced video option
Cannot remove alias 'vt100 without advanced video option'
Name collision 'vt52' between
    vt52|dec vt52
and   vt52|dec vt52
...now dec vt52
Cannot remove alias 'dec vt52'
Name collision 'vt102' between
    vt102|dec vt102
and   vt102|dec vt102
...now dec vt102
Cannot remove alias 'dec vt102'
Name collision 'vt100' between
    vt100|vt100-am|dec vt100 (w/advanced video)
and   vt100|vt100-am|dec vt100 (w/advanced video)
...now vt100-am|dec vt100 (w/advanced video)
...now dec vt100 (w/advanced video)
Cannot remove alias 'dec vt100 (w/advanced video)'
Name collision 'vt220' between
    vt220|vt200|dec vt220
and   vt220|vt200|dec vt220
...now vt200|dec vt220
...now dec vt220
Cannot remove alias 'dec vt220'
===== RzGamma =====
ZJets: 18176.8806362
GJets: 41403.2492746
GJets/ZJets: 0.439020633698
RzG: 0.356927335262
0.356927335262
0.355353116989
0.354172170162
```

0.363821983337
0.367029577494
0.382128059864
0.379684954882
0.396252661943
0.388000249863
0.512442469597
0.357026845217
0.34887996316
0.369386166334
0.365614831448
0.361128747463
0.380200356245
0.381826519966
0.398525267839
0.399862796068
0.47366052866
0.360965669155
0.361632317305
0.380876362324
0.353389382362
0.373787790537
0.380799889565
0.38015845418
0.408760547638
0.372217923403
0.441523820162
0.364847272635
0.392602711916
0.394794106483
0.406150013208
0.433721423149
0.409755676985
0.356482356787
0.440675854683
0.378516942263
0.379051625729
0.395565986633
0.415764689445
0.574630260468
0.403976351023
0.405253589153
0.449750334024

===== TriggerWeights =====

triggerWeight:
[0.9871907904582173, 0.9871757732317329, 0.9873721666679083, 0.9875276350957345,
0.9875488071556755, 0.9876445705056858, 0.9867464424404828, 0.9866582633302683,
0.9784837556438741, 0.9783378899336935, 0.9871736331179162, 0.9871578565218848,
0.9872361824668503, 0.9875185966716759, 0.9875367833813463, 0.987582794056401,
0.986770474963261, 0.9866569261674089, 0.978484410968589, 0.9782327761351988,
0.9871992956971912, 0.9871170799295736, 0.9872482537820119, 0.9874907205572667,

0.9875093937294934, 0.9875536384773165, 0.9868532792852652, 0.9867414444400424,
0.9785843213876538, 0.9783158097436107, 0.9870499775376291, 0.9870099143927843,
0.9874704386799719, 0.9875019012942534, 0.9866309466188958, 0.9868826100536571,
0.9785952180945435, 0.9786455552277472, 0.9870912032703522, 0.9869309165432582,
0.9875745151527175, 0.9874264592949097, 0.9864427261297701, 0.986933478506173,
0.978072890487094, 0.9784304093203241]

triggerWeightErr

[0.0017870819948638673, 0.0017954311421214833, 0.0016857124824509555,
0.0013432547529832778, 0.0013347334753861149, 0.0012892693753105058,
0.0021695050652090144, 0.0020798756922005153, 0.005295662916564118,
0.005088519595204107, 0.0017951709090975705, 0.0018020481769422162,
0.0017663891574365865, 0.0013453089757821998, 0.0013396164614513052,
0.001318989663537887, 0.0021934143011184074, 0.002080825400613463,
0.00529052082901197, 0.004863666766243087, 0.001785615492137818,
0.001823866495064044, 0.0017561213562653577, 0.0013531572890475637,
0.001349917724877608, 0.0013335743710478718, 0.0022659728338292415,
0.002160898224370624, 0.005420364893711202, 0.005050841834266778,
0.0018524214112500695, 0.0018624690601441404, 0.0013661478571416726,
0.0013521700632550674, 0.002061458930763332, 0.0022865186112018356,
0.005364644106918679, 0.005431574622733271, 0.0018197659997692317,
0.001908724934226859, 0.0013443567963690225, 0.0013904049905725667,
0.0017852116546919364, 0.002344056306801904, 0.004477729010192145,
0.005076730605993222]

===== FRAGMENTATION FRACTION =====

[0.980970848395, 0.979579982675, 0.97784011656, 0.982804183987, 0.992417156153,
0.989805871938, 0.986560350194, 0.993140177096, 1.0, 0.953618816921, 0.936163434222,
0.961005301397, 0.972139532712, 0.940385724616, 0.950197508549, 0.976655247901,
0.950450944646, 0.983798750782, 0.971620466278, 0.925226088907, 0.863168788586,
0.89820726474, 0.982895043944, 0.900606253693, 0.915769869158, 0.955916109115,
0.905015525661, 0.970899244113, 0.922902661284, 0.879589782771, 0.815529645074,
0.934845627087, 0.848863230508, 0.994014071109, 0.904401397286, 0.96992243711,
0.851114705095, 0.879589782771, 0.815529645074, 0.934845627087, 0.848863230508,
0.994014071109, 0.904401397286, 0.96992243711, 0.851114705095, 0.976828992242]
[0.00614791380317, 0.019080657171, 0.00260115484549, 0.00339421256783,
0.00300896487375, 0.00237958264961, 0.00564253813676, 0.00171231075558, 0.0,
0.00472672419724, 0.0060139060396, 0.00944653713384, 0.00362165271666,
0.00427658763978, 0.0076859771519, 0.00313332384307, 0.00644662330656,
0.00214019101211, 0.0078284755378, 0.0198831978828, 0.0151767876373, 0.0227080714203,
0.011932681469, 0.00953985115767, 0.0129774156372, 0.00994861188294, 0.0112644241635,
0.00620923007619, 0.0196109392443, 0.042733589693, 0.0578590406899, 0.0247305918775,
0.0335643828641, 0.0059844217789, 0.0186686662384, 0.0179546806945, 0.053300605347,
0.042733589693, 0.0578590406899, 0.0247305918775, 0.0335643828641, 0.0059844217789,
0.0186686662384, 0.0179546806945, 0.053300605347, 0.00311237737103]
[0.00614791380317, 0.019080657171, 0.00260115484549, 0.00339421256783,
0.00300896487375, 0.00237958264961, 0.00564253813676, 0.00171231075558, 0.03,
0.00472672419724, 0.0060139060396, 0.00944653713384, 0.00362165271666,
0.00427658763978, 0.0076859771519, 0.00313332384307, 0.00644662330656,
0.00214019101211, 0.0078284755378, 0.0198831978828, 0.0151767876373, 0.0227080714203,
0.011932681469, 0.00953985115767, 0.0129774156372, 0.00994861188294, 0.0112644241635,
0.00620923007619, 0.0196109392443, 0.042733589693, 0.0578590406899, 0.0247305918775,
0.0335643828641, 0.0059844217789, 0.0186686662384, 0.0179546806945, 0.053300605347,

0.01960730429300006, 0.0456933206593334, 0.0456933206593334, 0.02646040243899994,
0.02646040243899994, 0.02646040243899994, 0.02646040243899994, 0.01960730429300006,
0.01960730429300006, 0.0456933206593334, 0.0456933206593334, 0.02646040243899994,
0.02646040243899994, 0.02646040243899994, 0.02646040243899994]

len(purityEEerr): 46

purity EE: [0.9037589867643333, 0.9037589867643333, 0.9037589867643333,
0.9342216715953334, 0.9342216715953334, 0.9342216715953334, 0.9637698202189999,
0.9637698202189999, 0.9637698202189999, 0.9637698202189999, 0.9037589867643333,
0.9037589867643333, 0.9037589867643333, 0.9342216715953334, 0.9342216715953334,
0.9342216715953334, 0.9637698202189999, 0.9637698202189999, 0.9637698202189999,
0.9637698202189999, 0.9037589867643333, 0.9037589867643333, 0.9037589867643333,
0.9342216715953334, 0.9342216715953334, 0.9342216715953334, 0.9637698202189999,
0.9637698202189999, 0.9637698202189999, 0.9637698202189999, 0.9037589867643333,
0.9037589867643333, 0.9342216715953334, 0.9342216715953334, 0.9637698202189999,
0.9637698202189999, 0.9637698202189999, 0.9637698202189999, 0.9037589867643333,
0.9037589867643333, 0.9342216715953334, 0.9342216715953334, 0.9637698202189999,
0.9637698202189999, 0.9637698202189999, 0.9637698202189999]

len(purityEEerr): 46

purity EE error: [0.017577484733666715, 0.017577484733666715, 0.017577484733666715,
0.029991945648333407, 0.029991945648333407, 0.029991945648333407,
0.01695388864299996, 0.01695388864299996, 0.01695388864299996, 0.01695388864299996,
0.017577484733666715, 0.017577484733666715, 0.017577484733666715,
0.029991945648333407, 0.029991945648333407, 0.029991945648333407,
0.01695388864299996, 0.01695388864299996, 0.01695388864299996, 0.01695388864299996,
0.017577484733666715, 0.017577484733666715, 0.017577484733666715,
0.029991945648333407, 0.029991945648333407, 0.029991945648333407,
0.01695388864299996, 0.01695388864299996, 0.01695388864299996, 0.01695388864299996,
0.017577484733666715, 0.017577484733666715, 0.029991945648333407,
0.029991945648333407, 0.01695388864299996, 0.01695388864299996, 0.01695388864299996,
0.01695388864299996, 0.017577484733666715, 0.017577484733666715,
0.029991945648333407, 0.029991945648333407, 0.01695388864299996, 0.01695388864299996,
0.01695388864299996, 0.01695388864299996]
