Top-left panel statistics:

Entries	1349
Mean	7.41
Std Dev	3.116
Underflow	1
Overflow	0
Integral	1348

Top-right panel statistics:

Entries	1467
Mean	1.198
Std Dev	0.03884
Underflow	4
Overflow	0
Integral	1463

Bottom-left panel statistics:

Entries	45785
Mean	0.5147
Std Dev	0.3564
Underflow	76
Overflow	646
Integral	4.506e+04

Bottom-right panel statistics:

Entries	45785
Mean	0.9345
Std Dev	0.08742
Underflow	0
Overflow	2
Integral	4.578e+04

Top-left panel:

Entries	720
Mean	14.43
Std Dev	4.136
Underflow	0
Overflow	0
Integral	720

Top-right panel:

Entries	957
Mean	1.218
Std Dev	0.05169
Underflow	5
Overflow	0
Integral	952

Bottom-left panel:

Entries	19680
Mean	0.2607
Std Dev	0.3335
Underflow	42
Overflow	330
Integral	1.931e+04

Bottom-right panel:

Entries	19680
Mean	0.7832
Std Dev	0.1165
Underflow	0
Overflow	1
Integral	1.968e+04

Top-left panel statistics:

Entries	3643
Mean	11.13
Std Dev	4.193
Underflow	3
Overflow	0
Integral	3640

Top-right panel statistics:

Entries	3812
Mean	1.204
Std Dev	0.03156
Underflow	9
Overflow	0
Integral	3803

Bottom-left panel statistics:

Entries	48560
Mean	0.3846
Std Dev	0.3563
Underflow	97
Overflow	809
Integral	4.765e+04

Bottom-right panel statistics:

Entries	48560
Mean	0.8631
Std Dev	0.07825
Underflow	0
Overflow	1
Integral	4.856e+04

					Entries	148
					Mean	21.76
					Std Dev	5.061
					Underflow	0
					Overflow	0
					Integral	148

					Entries	312
					Mean	1.235
					Std Dev	0.06102
					Underflow	2
					Overflow	0
					Integral	310

					Entries	9182
					Mean	0.5786
					Std Dev	0.3237
					Underflow	31
					Overflow	182
					Integral	8969

					Entries	9182
					Mean	0.8347
					Std Dev	0.1361
					Underflow	0
					Overflow	0
					Integral	9182

Top-left histogram statistics:

Entries	3159
Mean	18.54
Std Dev	4.439
Underflow	3
Overflow	0
Integral	3156

Top-right histogram statistics:

Entries	3346
Mean	1.206
Std Dev	0.03249
Underflow	6
Overflow	0
Integral	3340

Bottom-left histogram statistics:

Entries	31049
Mean	0.6028
Std Dev	0.2928
Underflow	66
Overflow	566
Integral	3.042e+04

Bottom-right histogram statistics:

Entries	31049
Mean	0.8622
Std Dev	0.09756
Underflow	0
Overflow	2
Integral	3.105e+04

Top-left panel:

Entries	3485
Mean	13.54
Std Dev	4.34
Underflow	7
Overflow	0
Integral	3478

Top-right panel:

Entries	3615
Mean	1.199
Std Dev	0.02985
Underflow	2
Overflow	0
Integral	3613

Bottom-left panel:

Entries	81319
Mean	0.7172
Std Dev	0.2165
Underflow	181
Overflow	1159
Integral	7.998e+04

Bottom-right panel:

Entries	81319
Mean	0.9321
Std Dev	0.0811
Underflow	0
Overflow	9
Integral	8.131e+04

Top-left panel statistics:

Entries	1262
Mean	26.15
Std Dev	4.506
Underflow	0
Overflow	0
Integral	1262

Top-right panel statistics:

Entries	1468
Mean	1.214
Std Dev	0.03586
Underflow	2
Overflow	0
Integral	1466

Bottom-left panel statistics:

Entries	14504
Mean	0.5287
Std Dev	0.3289
Underflow	41
Overflow	391
Integral	1.407e+04

Bottom-right panel statistics:

Entries	14504
Mean	0.8232
Std Dev	0.1125
Underflow	0
Overflow	0
Integral	1.45e+04

Top-left panel:

Entries	6022
Mean	20.97
Std Dev	4.782
Underflow	9
Overflow	0
Integral	6013

Top-right panel:

Entries	6301
Mean	1.201
Std Dev	0.03176
Underflow	10
Overflow	0
Integral	6291

Bottom-left panel:

Entries	65320
Mean	0.6734
Std Dev	0.256
Underflow	148
Overflow	940
Integral	6.423e+04

Bottom-right panel:

Entries	65320
Mean	0.8906
Std Dev	0.07975
Underflow	0
Overflow	7
Integral	6.531e+04

Top-left panel statistics:
Entries	937
Mean	14.4
Std Dev	4.297
Underflow	2
Overflow	0
Integral	935

Top-right panel statistics:
Entries	1072
Mean	1.181
Std Dev	0.04695
Underflow	5
Overflow	0
Integral	1067

Bottom-left panel statistics:
Entries	118644
Mean	0.745
Std Dev	0.1804
Underflow	329
Overflow	1881
Integral	1.164e+05

Bottom-right panel statistics:
Entries	118644
Mean	0.9993
Std Dev	0.0918
Underflow	0
Overflow	16
Integral	1.186e+05

Entries	253
Mean	32.8
Std Dev	5.493
Underflow	2
Overflow	0
Integral	251

Entries	438
Mean	1.23
Std Dev	0.05518
Underflow	1
Overflow	0
Integral	437

Entries	10570
Mean	0.5639
Std Dev	0.3292
Underflow	27
Overflow	284
Integral	1.026e+04

Entries	10570
Mean	0.8201
Std Dev	0.1353
Underflow	0
Overflow	0
Integral	1.057e+04

Entries	4036
Mean	28.36
Std Dev	4.868
Underflow	10
Overflow	0
Integral	4026

Entries	4254
Mean	1.204
Std Dev	0.03234
Underflow	9
Overflow	0
Integral	4245

Entries	37791
Mean	0.6472
Std Dev	0.2729
Underflow	80
Overflow	588
Integral	3.712e+04

Entries	37791
Mean	0.8549
Std Dev	0.08029
Underflow	0
Overflow	2
Integral	3.779e+04

Entries	2920
Mean	22.31
Std Dev	4.945
Underflow	5
Overflow	0
Integral	2915

Entries	3097
Mean	1.194
Std Dev	0.03527
Underflow	7
Overflow	0
Integral	3090

Entries	90753
Mean	0.7242
Std Dev	0.2142
Underflow	259
Overflow	1410
Integral	8.908e+04

Entries	90753
Mean	0.9527
Std Dev	0.08798
Underflow	0
Overflow	6
Integral	9.075e+04

Top-left panel statistics:
Entries	4291
Mean	30.1
Std Dev	5.246
Underflow	4
Overflow	0
Integral	4287

Top-right panel statistics:
Entries	4509
Mean	1.199
Std Dev	0.03173
Underflow	10
Overflow	0
Integral	4499

Bottom-left panel statistics:
Entries	51271
Mean	0.6751
Std Dev	0.261
Underflow	151
Overflow	843
Integral	5.028e+04

Bottom-right panel statistics:
Entries	51271
Mean	0.9067
Std Dev	0.08929
Underflow	0
Overflow	1
Integral	5.127e+04

Entries	563
Mean	23.36
Std Dev	4.529
Underflow	1
Overflow	0
Integral	562

Entries	696
Mean	1.177
Std Dev	0.05403
Underflow	1
Overflow	0
Integral	695

Entries	94439
Mean	0.7479
Std Dev	0.1718
Underflow	319
Overflow	1584
Integral	9.254e+04

Entries	94439
Mean	1.029
Std Dev	0.101
Underflow	0
Overflow	10
Integral	9.443e+04

Entries	508
Mean	44.88
Std Dev	5.654
Underflow	1
Overflow	0
Integral	507

Entries	694
Mean	1.223
Std Dev	0.04567
Underflow	6
Overflow	0
Integral	688

Entries	15365
Mean	0.6248
Std Dev	0.3133
Underflow	36
Overflow	237
Integral	1.509e+04

Entries	15365
Mean	0.8271
Std Dev	0.1232
Underflow	0
Overflow	0
Integral	1.536e+04

Entries	1971
Mean	30.9
Std Dev	5.117
Underflow	0
Overflow	0
Integral	1971

Entries	2135
Mean	1.192
Std Dev	0.0365
Underflow	7
Overflow	0
Integral	2128

Entries	99246
Mean	0.7476
Std Dev	0.1908
Underflow	330
Overflow	1568
Integral	9.735e+04

Entries	99246
Mean	0.9757
Std Dev	0.09326
Underflow	0
Overflow	3
Integral	9.924e+04

Entries	2836
Mean	47.58
Std Dev	5.2
Underflow	4
Overflow	0
Integral	2832

Entries	3032
Mean	1.208
Std Dev	0.03308
Underflow	5
Overflow	0
Integral	3027

Entries	27467
Mean	0.619
Std Dev	0.2961
Underflow	79
Overflow	445
Integral	2.694e+04

Entries	27467
Mean	0.8338
Std Dev	0.09101
Underflow	0
Overflow	0
Integral	2.747e+04

Top-left panel statistics:

Entries	4409
Mean	39.71
Std Dev	5.725
Underflow	3
Overflow	0
Integral	4406

Top-right panel statistics:

Entries	4673
Mean	1.198
Std Dev	0.03125
Underflow	12
Overflow	0
Integral	4661

Bottom-left panel statistics:

Entries	85742
Mean	0.7232
Std Dev	0.234
Underflow	279
Overflow	1244
Integral	8.422e+04

Bottom-right panel statistics:

Entries	85742
Mean	0.9416
Std Dev	0.09131
Underflow	0
Overflow	1
Integral	8.574e+04

Top-left panel:

Entries	318
Mean	31.74
Std Dev	5.133
Underflow	0
Overflow	0
Integral	318

Top-right panel:

Entries	448
Mean	1.16
Std Dev	0.06514
Underflow	4
Overflow	0
Integral	444

Bottom-left panel:

Entries	122548
Mean	0.7453
Std Dev	0.1615
Underflow	983
Overflow	1993
Integral	1.196e+05

Bottom-right panel:

Entries	122548
Mean	1.032
Std Dev	0.1107
Underflow	0
Overflow	9
Integral	1.225e+05

Top-left panel statistics:

Entries	995
Mean	55.5
Std Dev	5.327
Underflow	1
Overflow	0
Integral	994

Top-right panel statistics:

Entries	1210
Mean	1.216
Std Dev	0.04715
Underflow	7
Overflow	0
Integral	1203

Bottom-left panel statistics:

Entries	13851
Mean	0.5994
Std Dev	0.3127
Underflow	54
Overflow	234
Integral	1.356e+04

Bottom-right panel statistics:

Entries	13851
Mean	0.8094
Std Dev	0.1122
Underflow	0
Overflow	0
Integral	1.385e+04

Entries	4641
Mean	48.67
Std Dev	5.937
Underflow	8
Overflow	0
Integral	4633

Entries	4861
Mean	1.201
Std Dev	0.02887
Underflow	9
Overflow	0
Integral	4852

Entries	64772
Mean	0.7083
Std Dev	0.2471
Underflow	201
Overflow	908
Integral	6.366e+04

Entries	64772
Mean	0.8915
Std Dev	0.08494
Underflow	0
Overflow	2
Integral	6.477e+04

Top-left plot:
Entries	285
Mean	62.71
Std Dev	6.586
Underflow	0
Overflow	0
Integral	285

Top-right plot:
Entries	498
Mean	1.23
Std Dev	0.05752
Underflow	3
Overflow	0
Integral	495

Bottom-left plot:
Entries	11824
Mean	0.528
Std Dev	0.3585
Underflow	42
Overflow	183
Integral	1.16e+04

Bottom-right plot:
Entries	11824
Mean	0.7872
Std Dev	0.1321
Underflow	0
Overflow	0
Integral	1.182e+04

Top-left panel:

Entries	3388
Mean	57.49
Std Dev	6.001
Underflow	7
Overflow	0
Integral	3381

Top-right panel:

Entries	3608
Mean	1.207
Std Dev	0.03107
Underflow	12
Overflow	0
Integral	3596

Bottom-left panel:

Entries	42725
Mean	0.6474
Std Dev	0.3081
Underflow	131
Overflow	618
Integral	4.198e+04

Bottom-right panel:

Entries	42725
Mean	0.877
Std Dev	0.1073
Underflow	0
Overflow	2
Integral	4.272e+04

Top-left histogram:

Entries	2940
Mean	48.26
Std Dev	5.872
Underflow	6
Overflow	0
Integral	2934

Top-right histogram:

Entries	3138
Mean	1.195
Std Dev	0.03299
Underflow	9
Overflow	0
Integral	3129

Bottom-left histogram:

Entries	86854
Mean	0.7081
Std Dev	0.237
Underflow	675
Overflow	1370
Integral	8.481e+04

Bottom-right histogram:

Entries	86854
Mean	0.9529
Std Dev	0.0948
Underflow	0
Overflow	2
Integral	8.685e+04

Top-left plot:

Entries	158
Mean	38.6
Std Dev	6.257
Underflow	0
Overflow	0
Integral	158

Top-right plot:

Entries	175
Mean	1.173
Std Dev	0.05544
Underflow	0
Overflow	0
Integral	175

Bottom-left plot:

Entries	49898
Mean	0.7322
Std Dev	0.1827
Underflow	652
Overflow	1113
Integral	4.813e+04

Bottom-right plot:

Entries	49898
Mean	1.039
Std Dev	0.1505
Underflow	0
Overflow	1
Integral	4.99e+04

Top-left panel statistics:

Entries	3805
Mean	57.69
Std Dev	6.422
Underflow	4
Overflow	0
Integral	3801

Top-right panel statistics:

Entries	4033
Mean	1.199
Std Dev	0.03168
Underflow	7
Overflow	0
Integral	4026

Bottom-left panel statistics:

Entries	58416
Mean	0.6456
Std Dev	0.3016
Underflow	485
Overflow	917
Integral	5.701e+04

Bottom-right panel statistics:

Entries	58416
Mean	0.9051
Std Dev	0.09094
Underflow	0
Overflow	2
Integral	5.841e+04

Entries		1088
Mean		47.83
Std Dev		4.89
Underflow		4
Overflow		0
Integral		1084

Entries		1114
Mean		1.187
Std Dev		0.03946
Underflow		1
Overflow		0
Integral		1113

Entries		70916
Mean		0.6886
Std Dev		0.2656
Underflow		890
Overflow		1277
Integral		6.875e+04

Entries		70916
Mean		0.9946
Std Dev		0.1208
Underflow		0
Overflow		2
Integral		7.091e+04

Top-left panel:

Entries	3528
Mean	67.41
Std Dev	6.363
Underflow	7
Overflow	0
Integral	3521

Top-right panel:

Entries	3723
Mean	1.204
Std Dev	0.0296
Underflow	6
Overflow	0
Integral	3717

Bottom-left panel:

Entries	40833
Mean	0.6571
Std Dev	0.2836
Underflow	326
Overflow	583
Integral	3.992e+04

Bottom-right panel:

Entries	40833
Mean	0.8729
Std Dev	0.08992
Underflow	0
Overflow	1
Integral	4.083e+04

Top-left histogram:

Entries	2519
Mean	56.53
Std Dev	6.129
Underflow	4
Overflow	0
Integral	2515

Top-right histogram:

Entries	2710
Mean	1.194
Std Dev	0.03356
Underflow	6
Overflow	0
Integral	2704

Bottom-left histogram:

Entries	96639
Mean	0.7287
Std Dev	0.2293
Underflow	1032
Overflow	1420
Integral	9.419e+04

Bottom-right histogram:

Entries	96639
Mean	0.9798
Std Dev	0.1052
Underflow	0
Overflow	1
Integral	9.664e+04

Top-left panel statistics:
Entries	156
Mean	80.42
Std Dev	9.307
Underflow	0
Overflow	0
Integral	156

Top-right panel statistics:
Entries	344
Mean	1.243
Std Dev	0.05689
Underflow	1
Overflow	0
Integral	343

Bottom-left panel statistics:
Entries	11175
Mean	0.6204
Std Dev	0.3493
Underflow	34
Overflow	204
Integral	1.094e+04

Bottom-right panel statistics:
Entries	11175
Mean	0.7839
Std Dev	0.1408
Underflow	0
Overflow	2
Integral	1.117e+04

Entries	2304
Mean	76.72
Std Dev	6.028
Underflow	7
Overflow	0
Integral	2297

Entries	2476
Mean	1.209
Std Dev	0.03417
Underflow	7
Overflow	0
Integral	2469

Entries	21671
Mean	0.5851
Std Dev	0.325
Underflow	167
Overflow	310
Integral	2.119e+04

Entries	21671
Mean	0.8389
Std Dev	0.1019
Underflow	0
Overflow	0
Integral	2.167e+04

Entries	3564
Mean	66.65
Std Dev	7.033
Underflow	5
Overflow	0
Integral	3559

Entries	3758
Mean	1.198
Std Dev	0.02887
Underflow	4
Overflow	0
Integral	3754

Entries	62737
Mean	0.6989
Std Dev	0.2656
Underflow	725
Overflow	908
Integral	6.11e+04

Entries	62737
Mean	0.9451
Std Dev	0.09949
Underflow	0
Overflow	3
Integral	6.273e+04

Entries	564
Mean	55.68
Std Dev	5.282
Underflow	1
Overflow	0
Integral	563

Entries	618
Mean	1.181
Std Dev	0.0442
Underflow	2
Overflow	0
Integral	616

Entries	63799
Mean	0.7219
Std Dev	0.1985
Underflow	542
Overflow	1046
Integral	6.221e+04

Entries	63799
Mean	1.001
Std Dev	0.1228
Underflow	0
Overflow	3
Integral	6.38e+04

Top-left panel statistics:

Entries	1016
Mean	85.33
Std Dev	5.638
Underflow	0
Overflow	0
Integral	1016

Top-right panel statistics:

Entries	1150
Mean	1.213
Std Dev	0.03984
Underflow	1
Overflow	0
Integral	1149

Bottom-left panel statistics:

Entries	11288
Mean	0.56
Std Dev	0.3353
Underflow	112
Overflow	179
Integral	1.1e+04

Bottom-right panel statistics:

Entries	11288
Mean	0.8102
Std Dev	0.1173
Underflow	0
Overflow	1
Integral	1.129e+04

Top-left histogram statistics:

Entries	3479
Mean	76.69
Std Dev	7.008
Underflow	8
Overflow	0
Integral	3471

Top-right histogram statistics:

Entries	3697
Mean	1.201
Std Dev	0.0358
Underflow	10
Overflow	0
Integral	3687

Bottom-left histogram statistics:

Entries	33080
Mean	0.6273
Std Dev	0.3117
Underflow	377
Overflow	495
Integral	3.221e+04

Bottom-right histogram statistics:

Entries	33080
Mean	0.9003
Std Dev	0.1073
Underflow	0
Overflow	1
Integral	3.308e+04

Top-left panel statistics:

Entries	1390
Mean	64.37
Std Dev	5.743
Underflow	3
Overflow	0
Integral	1387

Top-right panel statistics:

Entries	1451
Mean	1.191
Std Dev	0.0317
Underflow	5
Overflow	0
Integral	1446

Bottom-left panel statistics:

Entries	54739
Mean	0.7067
Std Dev	0.2247
Underflow	459
Overflow	846
Integral	5.343e+04

Bottom-right panel statistics:

Entries	54739
Mean	0.9657
Std Dev	0.1141
Underflow	0
Overflow	2
Integral	5.474e+04

Top-left plot:

Entries	305
Mean	92.98
Std Dev	6.589
Underflow	0
Overflow	0
Integral	305

Top-right plot:

Entries	459
Mean	1.229
Std Dev	0.05365
Underflow	0
Overflow	0
Integral	459

Bottom-left plot:

Entries	8349
Mean	0.5615
Std Dev	0.3676
Underflow	80
Overflow	133
Integral	8136

Bottom-right plot:

Entries	8349
Mean	0.7991
Std Dev	0.1532
Underflow	0
Overflow	0
Integral	8349

Top-left histogram statistics:

Entries	2700
Mean	86.5
Std Dev	6.75
Underflow	2
Overflow	0
Integral	2698

Top-right histogram statistics:

Entries	2883
Mean	1.207
Std Dev	0.03134
Underflow	3
Overflow	0
Integral	2880

Bottom-left histogram statistics:

Entries	19124
Mean	0.5506
Std Dev	0.3422
Underflow	230
Overflow	301
Integral	1.859e+04

Bottom-right histogram statistics:

Entries	19124
Mean	0.8518
Std Dev	0.12
Underflow	0
Overflow	1
Integral	1.912e+04

Top-left plot statistics:

Entries	2338
Mean	84.36
Std Dev	7.427
Underflow	7
Overflow	0
Integral	2331

Top-right plot statistics:

Entries	2484
Mean	1.199
Std Dev	0.03365
Underflow	6
Overflow	0
Integral	2478

Bottom-left plot statistics:

Entries	41539
Mean	0.6893
Std Dev	0.272
Underflow	337
Overflow	579
Integral	4.062e+04

Bottom-right plot statistics:

Entries	41539
Mean	0.9324
Std Dev	0.1028
Underflow	0
Overflow	1
Integral	4.154e+04

Entries	339
Mean	69.86
Std Dev	5.936
Underflow	0
Overflow	0
Integral	339

Entries	332
Mean	1.187
Std Dev	0.04174
Underflow	1
Overflow	0
Integral	331

Entries	26687
Mean	0.6398
Std Dev	0.2067
Underflow	669
Overflow	503
Integral	2.552e+04

Entries	26687
Mean	0.9933
Std Dev	0.1439
Underflow	0
Overflow	0
Integral	2.669e+04

	Entries	928
	Mean	80.99
	Std Dev	7.25
	Underflow	2
	Overflow	0
	Integral	926

	Entries	983
	Mean	1.19
	Std Dev	0.03786
	Underflow	3
	Overflow	0
	Integral	980

	Entries	42444
	Mean	0.6387
	Std Dev	0.2159
	Underflow	926
	Overflow	610
	Integral	4.091e+04

	Entries	42444
	Mean	0.9552
	Std Dev	0.113
	Underflow	0
	Overflow	0
	Integral	4.244e+04

Top-left panel:

Entries	1514
Mean	105.1
Std Dev	7.287
Underflow	2
Overflow	0
Integral	1512

Top-right panel:

Entries	1646
Mean	1.205
Std Dev	0.0356
Underflow	4
Overflow	0
Integral	1642

Bottom-left panel:

Entries	11197
Mean	0.5169
Std Dev	0.3515
Underflow	102
Overflow	160
Integral	1.094e+04

Bottom-right panel:

Entries	11197
Mean	0.8332
Std Dev	0.124
Underflow	0
Overflow	0
Integral	1.12e+04

Top-left plot statistics:

Entries	1166
Mean	91.23
Std Dev	7.478
Underflow	4
Overflow	0
Integral	1162

Top-right plot statistics:

Entries	1231
Mean	1.195
Std Dev	0.03414
Underflow	2
Overflow	0
Integral	1229

Bottom-left plot statistics:

Entries	29278
Mean	0.6176
Std Dev	0.2528
Underflow	654
Overflow	449
Integral	2.818e+04

Bottom-right plot statistics:

Entries	29278
Mean	0.9177
Std Dev	0.1013
Underflow	0
Overflow	1
Integral	2.928e+04

Top-left panel statistics:
Entries	496
Mean	79.63
Std Dev	5.467
Underflow	0
Overflow	0
Integral	496

Top-right panel statistics:
Entries	569
Mean	1.182
Std Dev	0.04435
Underflow	1
Overflow	0
Integral	568

Bottom-left panel statistics:
Entries	41982
Mean	0.7384
Std Dev	0.2198
Underflow	330
Overflow	657
Integral	4.1e+04

Bottom-right panel statistics:
Entries	41982
Mean	0.9985
Std Dev	0.1072
Underflow	0
Overflow	4
Integral	4.198e+04

Top-left panel statistics:
Entries	1519
Mean	103.1
Std Dev	9.242
Underflow	2
Overflow	0
Integral	1517

Top-right panel statistics:
Entries	1642
Mean	1.199
Std Dev	0.0359
Underflow	5
Overflow	0
Integral	1637

Bottom-left panel statistics:
Entries	44840
Mean	0.6679
Std Dev	0.2309
Underflow	925
Overflow	607
Integral	4.331e+04

Bottom-right panel statistics:
Entries	44840
Mean	0.9067
Std Dev	0.09344
Underflow	0
Overflow	1
Integral	4.484e+04

Top-left panel statistics:
Entries	71
Mean	79.45
Std Dev	5.53
Underflow	0
Overflow	0
Integral	71

Top-right panel statistics:
Entries	89
Mean	1.164
Std Dev	0.0555
Underflow	1
Overflow	0
Integral	88

Bottom-left panel statistics:
Entries	32680
Mean	0.7964
Std Dev	0.2017
Underflow	387
Overflow	752
Integral	3.154e+04

Bottom-right panel statistics:
Entries	32680
Mean	1.098
Std Dev	0.1877
Underflow	0
Overflow	1
Integral	3.268e+04

Top-left panel statistics box:

Entries	1315
Mean	97.68
Std Dev	7.427
Underflow	2
Overflow	0
Integral	1313

Top-right panel statistics box:

Entries	1418
Mean	1.197
Std Dev	0.03337
Underflow	3
Overflow	0
Integral	1415

Bottom-left panel statistics box:

Entries	22724
Mean	0.6818
Std Dev	0.295
Underflow	197
Overflow	361
Integral	2.217e+04

Bottom-right panel statistics box:

Entries	22724
Mean	0.9351
Std Dev	0.1086
Underflow	0
Overflow	0
Integral	2.272e+04

Top-left panel statistics:

Entries	292
Mean	87.11
Std Dev	5.778
Underflow	1
Overflow	0
Integral	291

Top-right panel statistics:

Entries	409
Mean	1.164
Std Dev	0.05931
Underflow	4
Overflow	0
Integral	405

Bottom-left panel statistics:

Entries	46091
Mean	0.777
Std Dev	0.2101
Underflow	483
Overflow	802
Integral	4.481e+04

Bottom-right panel statistics:

Entries	46091
Mean	1.042
Std Dev	0.1312
Underflow	0
Overflow	3
Integral	4.609e+04

Entries		1619
Mean		121
Std Dev		9.363
Underflow		5
Overflow		0
Integral		1614

Entries		1708
Mean		1.201
Std Dev		0.03436
Underflow		2
Overflow		0
Integral		1706

Entries		10095
Mean		0.4936
Std Dev		0.3718
Underflow		88
Overflow		198
Integral		9809

Entries		10095
Mean		0.8425
Std Dev		0.1327
Underflow		0
Overflow		1
Integral		1.009e+04

Top-left panel statistics:

Entries	1116
Mean	104.3
Std Dev	7.499
Underflow	2
Overflow	0
Integral	1114

Top-right panel statistics:

Entries	1205
Mean	1.194
Std Dev	0.03769
Underflow	7
Overflow	0
Integral	1198

Bottom-left panel statistics:

Entries	31452
Mean	0.7397
Std Dev	0.2693
Underflow	347
Overflow	527
Integral	3.058e+04

Bottom-right panel statistics:

Entries	31452
Mean	0.9592
Std Dev	0.1115
Underflow	0
Overflow	1
Integral	3.145e+04

Top-left panel statistics:
Entries	166
Mean	139.8
Std Dev	9.216
Underflow	0
Overflow	0
Integral	166

Top-right panel statistics:
Entries	257
Mean	1.223
Std Dev	0.05964
Underflow	2
Overflow	0
Integral	255

Bottom-left panel statistics:
Entries	4289
Mean	0.3611
Std Dev	0.3959
Underflow	115
Overflow	95
Integral	4079

Bottom-right panel statistics:
Entries	4289
Mean	0.7425
Std Dev	0.1755
Underflow	0
Overflow	0
Integral	4289

Top-left panel:

Entries	1364
Mean	132
Std Dev	9.026
Underflow	2
Overflow	0
Integral	1362

Top-right panel:

Entries	1465
Mean	1.203
Std Dev	0.03386
Underflow	7
Overflow	0
Integral	1458

Bottom-left panel:

Entries	8634
Mean	0.479
Std Dev	0.3762
Underflow	67
Overflow	164
Integral	8403

Bottom-right panel:

Entries	8634
Mean	0.8222
Std Dev	0.1455
Underflow	0
Overflow	0
Integral	8634

Entries	730
Mean	110.9
Std Dev	7.483
Underflow	0
Overflow	0
Integral	730

Entries	815
Mean	1.189
Std Dev	0.04361
Underflow	3
Overflow	0
Integral	812

Entries	47713
Mean	0.8099
Std Dev	0.1872
Underflow	508
Overflow	754
Integral	4.645e+04

Entries	47713
Mean	0.9763
Std Dev	0.1051
Underflow	0
Overflow	1
Integral	4.771e+04

Top-left plot (Entries 327, Mean 149.5, Std Dev 9.372, Underflow 0, Overflow 0, Integral 327)

Top-right plot (Entries 420, Mean 1.216, Std Dev 0.05105, Underflow 0, Overflow 0, Integral 420)

Bottom-left plot (Entries 4337, Mean 0.3781, Std Dev 0.3904, Underflow 55, Overflow 107, Integral 4175)

Bottom-right plot (Entries 4337, Mean 0.717, Std Dev 0.1567, Underflow 0, Overflow 0, Integral 4337)

Top-left panel statistics:

Entries	124
Mean	157.4
Std Dev	8.462
Underflow	0
Overflow	0
Integral	124

Top-right panel statistics:

Entries	204
Mean	1.227
Std Dev	0.06322
Underflow	1
Overflow	0
Integral	203

Bottom-left panel statistics:

Entries	3255
Mean	0.3072
Std Dev	0.3748
Underflow	54
Overflow	52
Integral	3149

Bottom-right panel statistics:

Entries	3255
Mean	0.6645
Std Dev	0.144
Underflow	0
Overflow	0
Integral	3255

Entries	158
Mean	119.5
Std Dev	8.788
Underflow	0
Overflow	0
Integral	158

Entries	179
Mean	1.185
Std Dev	0.04093
Underflow	0
Overflow	0
Integral	179

Entries	17151
Mean	0.6514
Std Dev	0.1653
Underflow	642
Overflow	261
Integral	1.625e+04

Entries	17151
Mean	0.9593
Std Dev	0.1225
Underflow	0
Overflow	0
Integral	1.715e+04

Top-left panel statistics box:

Entries	23
Mean	120
Std Dev	7.375
Underflow	0
Overflow	0
Integral	23

Top-right panel statistics box:

Entries	32
Mean	1.167
Std Dev	0.06343
Underflow	0
Overflow	0
Integral	32

Bottom-left panel statistics box:

Entries	11729
Mean	0.7709
Std Dev	0.1492
Underflow	368
Overflow	296
Integral	1.106e+04

Bottom-right panel statistics box:

Entries	11729
Mean	1.032
Std Dev	0.1538
Underflow	0
Overflow	1
Integral	1.173e+04

Entries	504
Mean	134.7
Std Dev	8.691
Underflow	1
Overflow	0
Integral	503

Entries	565
Mean	1.19
Std Dev	0.04036
Underflow	1
Overflow	0
Integral	564

Entries	32569
Mean	0.7422
Std Dev	0.1776
Underflow	898
Overflow	499
Integral	3.117e+04

Entries	32569
Mean	0.9468
Std Dev	0.1087
Underflow	0
Overflow	2
Integral	3.257e+04

Top-left panel statistics box:

Entries	1102
Mean	156.1
Std Dev	11.39
Underflow	2
Overflow	0
Integral	1100

Top-right panel statistics box:

Entries	1161
Mean	1.199
Std Dev	0.03004
Underflow	1
Overflow	0
Integral	1160

Bottom-left panel statistics box:

Entries	29847
Mean	0.7539
Std Dev	0.2099
Underflow	791
Overflow	426
Integral	2.863e+04

Bottom-right panel statistics box:

Entries	29847
Mean	0.9373
Std Dev	0.1046
Underflow	0
Overflow	0
Integral	2.985e+04

Top-left panel statistics:

Entries	301
Mean	141
Std Dev	9.094
Underflow	0
Overflow	0
Integral	301

Top-right panel statistics:

Entries	349
Mean	1.186
Std Dev	0.04481
Underflow	0
Overflow	0
Integral	349

Bottom-left panel statistics:

Entries	36287
Mean	0.7955
Std Dev	0.1298
Underflow	673
Overflow	569
Integral	3.504e+04

Bottom-right panel statistics:

Entries	36287
Mean	0.9726
Std Dev	0.1157
Underflow	0
Overflow	1
Integral	3.629e+04

Top-left panel statistics:

Entries	73
Mean	189.8
Std Dev	13.61
Underflow	0
Overflow	0
Integral	73

Top-right panel statistics:

Entries	150
Mean	1.243
Std Dev	0.04097
Underflow	2
Overflow	0
Integral	148

Bottom-left panel statistics:

Entries	5828
Mean	0.7052
Std Dev	0.4116
Underflow	76
Overflow	210
Integral	5542

Bottom-right panel statistics:

Entries	5828
Mean	0.8142
Std Dev	0.2212
Underflow	0
Overflow	0
Integral	5828

Top-left plot statistics:
Entries	1106
Mean	169.4
Std Dev	12.73
Underflow	3
Overflow	0
Integral	1103

Top-right plot statistics:
Entries	1183
Mean	1.199
Std Dev	0.03204
Underflow	3
Overflow	0
Integral	1180

Bottom-left plot statistics:
Entries	19007
Mean	0.7135
Std Dev	0.2561
Underflow	529
Overflow	288
Integral	1.819e+04

Bottom-right plot statistics:
Entries	19007
Mean	0.9051
Std Dev	0.1153
Underflow	0
Overflow	0
Integral	1.901e+04

Top-left panel:

Entries	658
Mean	149.6
Std Dev	8.928
Underflow	0
Overflow	0
Integral	658

Top-right panel:

Entries	734
Mean	1.195
Std Dev	0.03906
Underflow	2
Overflow	0
Integral	732

Bottom-left panel:

Entries	25198
Mean	0.7834
Std Dev	0.1596
Underflow	478
Overflow	415
Integral	2.43e+04

Bottom-right panel:

Entries	25198
Mean	0.9437
Std Dev	0.1095
Underflow	0
Overflow	1
Integral	2.52e+04

Top-left panel statistics:

Entries	185
Mean	196.9
Std Dev	11
Underflow	1
Overflow	0
Integral	184

Top-right panel statistics:

Entries	219
Mean	1.214
Std Dev	0.03686
Underflow	3
Overflow	0
Integral	216

Bottom-left panel statistics:

Entries	2128
Mean	0.3666
Std Dev	0.3517
Underflow	119
Overflow	49
Integral	1960

Bottom-right panel statistics:

Entries	2128
Mean	0.7301
Std Dev	0.165
Underflow	0
Overflow	1
Integral	2127

Top-left panel statistics:

Entries	970
Mean	182.3
Std Dev	12.83
Underflow	3
Overflow	0
Integral	967

Top-right panel statistics:

Entries	1013
Mean	1.197
Std Dev	0.03407
Underflow	2
Overflow	0
Integral	1011

Bottom-left panel statistics:

Entries	11912
Mean	0.676
Std Dev	0.2932
Underflow	321
Overflow	209
Integral	1.138e+04

Bottom-right panel statistics:

Entries	11912
Mean	0.87
Std Dev	0.1254
Underflow	0
Overflow	0
Integral	1.191e+04

Entries	1029
Mean	171.5
Std Dev	12.67
Underflow	2
Overflow	0
Integral	1027

Entries	1094
Mean	1.197
Std Dev	0.0359
Underflow	1
Overflow	0
Integral	1093

Entries	12238
Mean	0.7374
Std Dev	0.239
Underflow	242
Overflow	205
Integral	1.179e+04

Entries	12238
Mean	0.8876
Std Dev	0.1192
Underflow	0
Overflow	0
Integral	1.224e+04

Top-left panel statistics:
Entries	975
Mean	185.3
Std Dev	13.95
Underflow	2
Overflow	0
Integral	973

Top-right panel statistics:
Entries	1029
Mean	1.198
Std Dev	0.03257
Underflow	4
Overflow	0
Integral	1025

Bottom-left panel statistics:
Entries	20622
Mean	0.7969
Std Dev	0.2014
Underflow	353
Overflow	254
Integral	2.002e+04

Bottom-right panel statistics:
Entries	20622
Mean	0.9053
Std Dev	0.1035
Underflow	0
Overflow	1
Integral	2.062e+04

Entries		634
Mean		165.9
Std Dev		10.68
Underflow		1
Overflow		0
Integral		633

Entries		701
Mean		1.195
Std Dev		0.03702
Underflow		1
Overflow		0
Integral		700

Entries		34428
Mean		0.824
Std Dev		0.1781
Underflow		399
Overflow		584
Integral		3.344e+04

Entries		34428
Mean		0.9384
Std Dev		0.1118
Underflow		0
Overflow		1
Integral		3.443e+04

	Entries	872
	Mean	197.8
	Std Dev	14.74
	Underflow	5
	Overflow	0
	Integral	867

	Entries	929
	Mean	1.198
	Std Dev	0.03703
	Underflow	3
	Overflow	0
	Integral	926

	Entries	12930
	Mean	0.7625
	Std Dev	0.235
	Underflow	235
	Overflow	199
	Integral	1.25e+04

	Entries	12930
	Mean	0.8773
	Std Dev	0.1139
	Underflow	0
	Overflow	0
	Integral	1.293e+04

Top-left panel statistics:
Entries	179
Mean	223.1
Std Dev	12.48
Underflow	0
Overflow	0
Integral	179

Top-right panel statistics:
Entries	285
Mean	1.226
Std Dev	0.04882
Underflow	1
Overflow	0
Integral	284

Bottom-left panel statistics:
Entries	3166
Mean	0.3825
Std Dev	0.3693
Underflow	102
Overflow	42
Integral	3022

Bottom-right panel statistics:
Entries	3166
Mean	0.6639
Std Dev	0.1354
Underflow	0
Overflow	0
Integral	3166

Top-left panel statistics:

Entries	707
Mean	212.9
Std Dev	14.32
Underflow	6
Overflow	0
Integral	701

Top-right panel statistics:

Entries	739
Mean	1.203
Std Dev	0.03003
Underflow	4
Overflow	0
Integral	735

Bottom-left panel statistics:

Entries	7031
Mean	0.704
Std Dev	0.2766
Underflow	140
Overflow	117
Integral	6774

Bottom-right panel statistics:

Entries	7031
Mean	0.8347
Std Dev	0.1271
Underflow	0
Overflow	0
Integral	7031

Top-left plot statistics:

Entries	81
Mean	226.5
Std Dev	12.58
Underflow	0
Overflow	0
Integral	81

Top-right plot statistics:

Entries	159
Mean	1.245
Std Dev	0.04085
Underflow	2
Overflow	0
Integral	157

Bottom-left plot statistics:

Entries	2390
Mean	0.2309
Std Dev	0.3227
Underflow	88
Overflow	47
Integral	2255

Bottom-right plot statistics:

Entries	2390
Mean	0.5783
Std Dev	0.101
Underflow	0
Overflow	1
Integral	2389

Top-left plot:

Entries	548
Mean	222.9
Std Dev	15.16
Underflow	3
Overflow	0
Integral	545

Top-right plot:

Entries	595
Mean	1.207
Std Dev	0.03188
Underflow	3
Overflow	0
Integral	592

Bottom-left plot:

Entries	3630
Mean	0.5842
Std Dev	0.3277
Underflow	79
Overflow	70
Integral	3481

Bottom-right plot:

Entries	3630
Mean	0.7561
Std Dev	0.1302
Underflow	0
Overflow	0
Integral	3630

Top-left plot statistics:

Entries	938
Mean	200
Std Dev	15.59
Underflow	1
Overflow	0
Integral	937

Top-right plot statistics:

Entries	998
Mean	1.198
Std Dev	0.03461
Underflow	2
Overflow	0
Integral	996

Bottom-left plot statistics:

Entries	19855
Mean	0.7946
Std Dev	0.242
Underflow	243
Overflow	288
Integral	1.932e+04

Bottom-right plot statistics:

Entries	19855
Mean	0.8862
Std Dev	0.1029
Underflow	0
Overflow	0
Integral	1.986e+04

Top-left panel statistics:

Entries	378
Mean	231.5
Std Dev	14.13
Underflow	1
Overflow	0
Integral	377

Top-right panel statistics:

Entries	436
Mean	1.212
Std Dev	0.0423
Underflow	2
Overflow	0
Integral	434

Bottom-left panel statistics:

Entries	2199
Mean	0.4621
Std Dev	0.3425
Underflow	58
Overflow	44
Integral	2097

Bottom-right panel statistics:

Entries	2199
Mean	0.6714
Std Dev	0.1155
Underflow	0
Overflow	0
Integral	2199

Top-left panel:

Entries	179
Mean	239.3
Std Dev	12.77
Underflow	1
Overflow	0
Integral	178

Top-right panel:

Entries	242
Mean	1.218
Std Dev	0.05232
Underflow	1
Overflow	0
Integral	241

Bottom-left panel:

Entries	1574
Mean	0.4193
Std Dev	0.3513
Underflow	49
Overflow	28
Integral	1497

Bottom-right panel:

Entries	1574
Mean	0.6088
Std Dev	0.09726
Underflow	0
Overflow	0
Integral	1574

Top-left panel:

Entries	854
Mean	201.9
Std Dev	15.44
Underflow	1
Overflow	0
Integral	853

Top-right panel:

Entries	916
Mean	1.195
Std Dev	0.03743
Underflow	3
Overflow	0
Integral	913

Bottom-left panel:

Entries	28229
Mean	0.8382
Std Dev	0.2013
Underflow	301
Overflow	405
Integral	2.752e+04

Bottom-right panel:

Entries	28229
Mean	0.8984
Std Dev	0.1004
Underflow	0
Overflow	0
Integral	2.823e+04

Top-left histogram:

Entries	326
Mean	187.5
Std Dev	11.18
Underflow	0
Overflow	0
Integral	326

Top-right histogram:

Entries	376
Mean	1.185
Std Dev	0.04664
Underflow	1
Overflow	0
Integral	375

Bottom-left histogram:

Entries	30591
Mean	0.8366
Std Dev	0.1654
Underflow	221
Overflow	445
Integral	2.992e+04

Bottom-right histogram:

Entries	30591
Mean	0.9578
Std Dev	0.1102
Underflow	0
Overflow	0
Integral	3.059e+04

Entries	822
Mean	214.8
Std Dev	16.93
Underflow	3
Overflow	0
Integral	819

Entries	877
Mean	1.197
Std Dev	0.0328
Underflow	0
Overflow	0
Integral	877

Entries	13759
Mean	0.7794
Std Dev	0.2508
Underflow	143
Overflow	238
Integral	1.338e+04

Entries	13759
Mean	0.8339
Std Dev	0.09213
Underflow	0
Overflow	0
Integral	1.376e+04

Top-left histogram statistics:
Entries	86
Mean	241
Std Dev	11.26
Underflow	1
Overflow	0
Integral	85

Top-right histogram statistics:
Entries	126
Mean	1.23
Std Dev	0.03908
Underflow	0
Overflow	0
Integral	126

Bottom-left histogram statistics:
Entries	1109
Mean	0.2344
Std Dev	0.3126
Underflow	16
Overflow	22
Integral	1071

Bottom-right histogram statistics:
Entries	1109
Mean	0.56
Std Dev	0.06329
Underflow	0
Overflow	0
Integral	1109

Top-left plot statistics:

Entries	55
Mean	249.2
Std Dev	5.33
Underflow	2
Overflow	0
Integral	53

Top-right plot statistics:

Entries	55
Mean	1.198
Std Dev	0.03397
Underflow	0
Overflow	0
Integral	55

Bottom-left plot statistics:

Entries	149
Mean	0.2825
Std Dev	0.2751
Underflow	2
Overflow	5
Integral	142

Bottom-right plot statistics:

Entries	149
Mean	0.6645
Std Dev	0.05227
Underflow	0
Overflow	0
Integral	149

Top-left histogram:

Entries	10
Mean	248.8
Std Dev	4.423
Underflow	0
Overflow	0
Integral	10

Top-right histogram:

Entries	18
Mean	1.239
Std Dev	0.02547
Underflow	1
Overflow	0
Integral	17

Bottom-left histogram:

Entries	327
Mean	0.08386
Std Dev	0.1681
Underflow	2
Overflow	5
Integral	320

Bottom-right histogram:

Entries	327
Mean	0.5561
Std Dev	0.03441
Underflow	0
Overflow	0
Integral	327

Top-left panel statistics:

Entries	4
Mean	250.8
Std Dev	4.603
Underflow	0
Overflow	0
Integral	4

Top-right panel statistics:

Entries	4
Mean	1.222
Std Dev	0.007563
Underflow	0
Overflow	0
Integral	4

Bottom-left panel statistics:

Entries	36
Mean	0.08261
Std Dev	0.1303
Underflow	1
Overflow	0
Integral	35

Bottom-right panel statistics:

Entries	36
Mean	0.615
Std Dev	0.03089
Underflow	0
Overflow	0
Integral	36