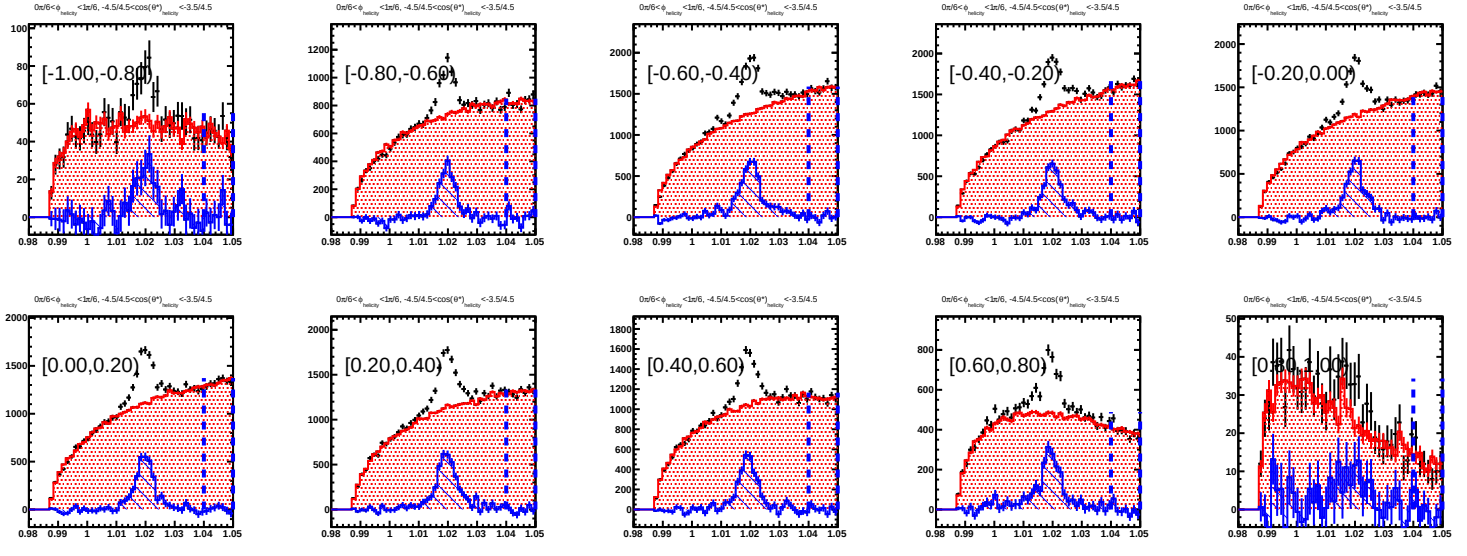
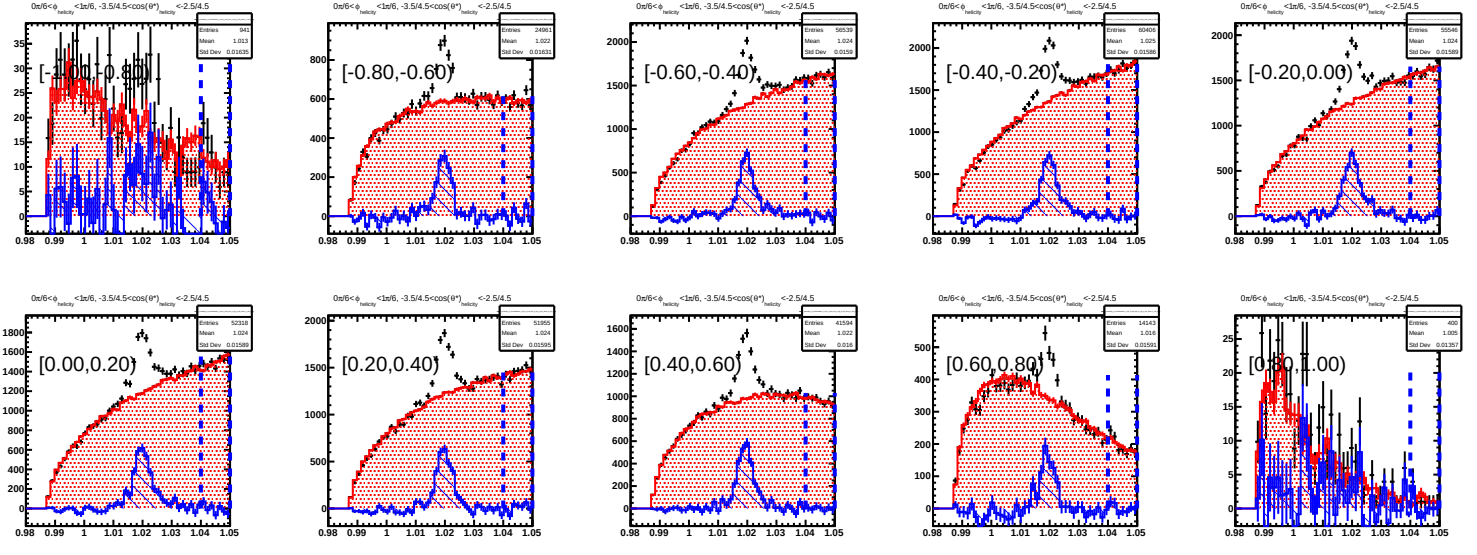
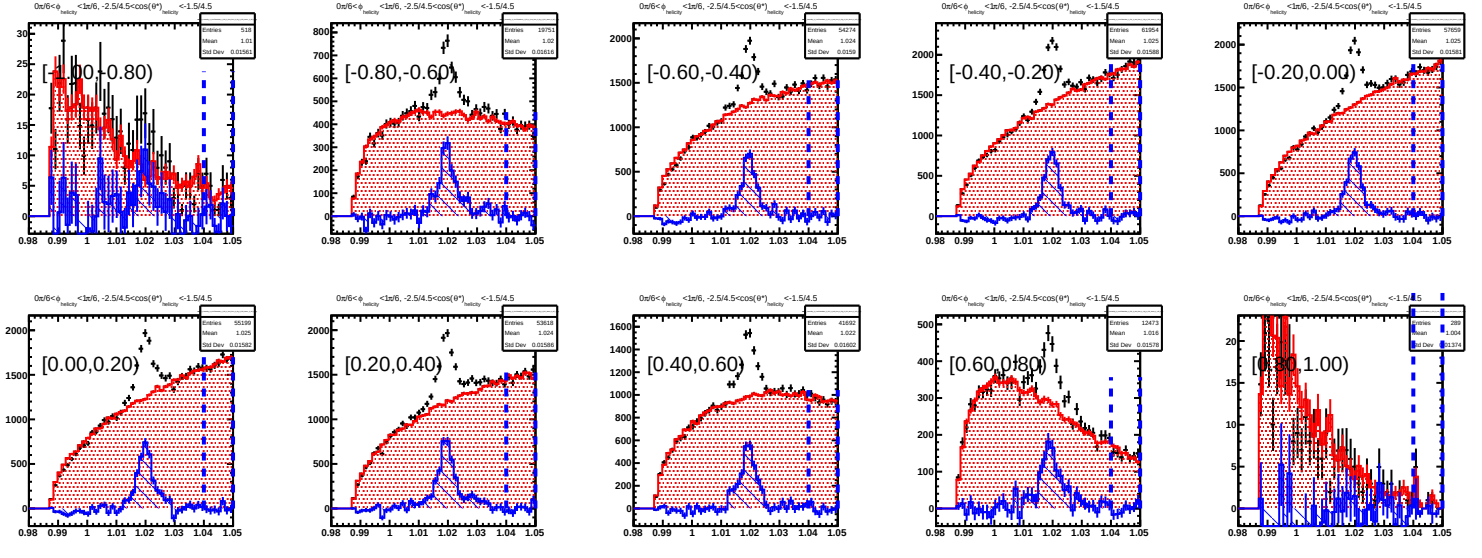
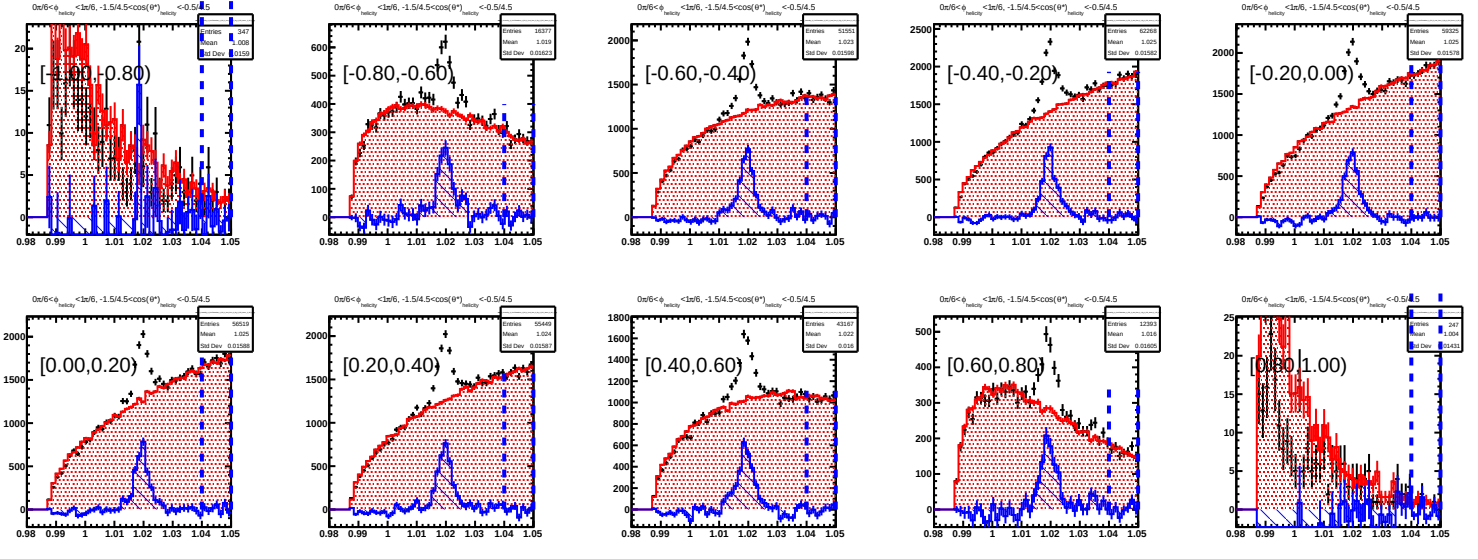
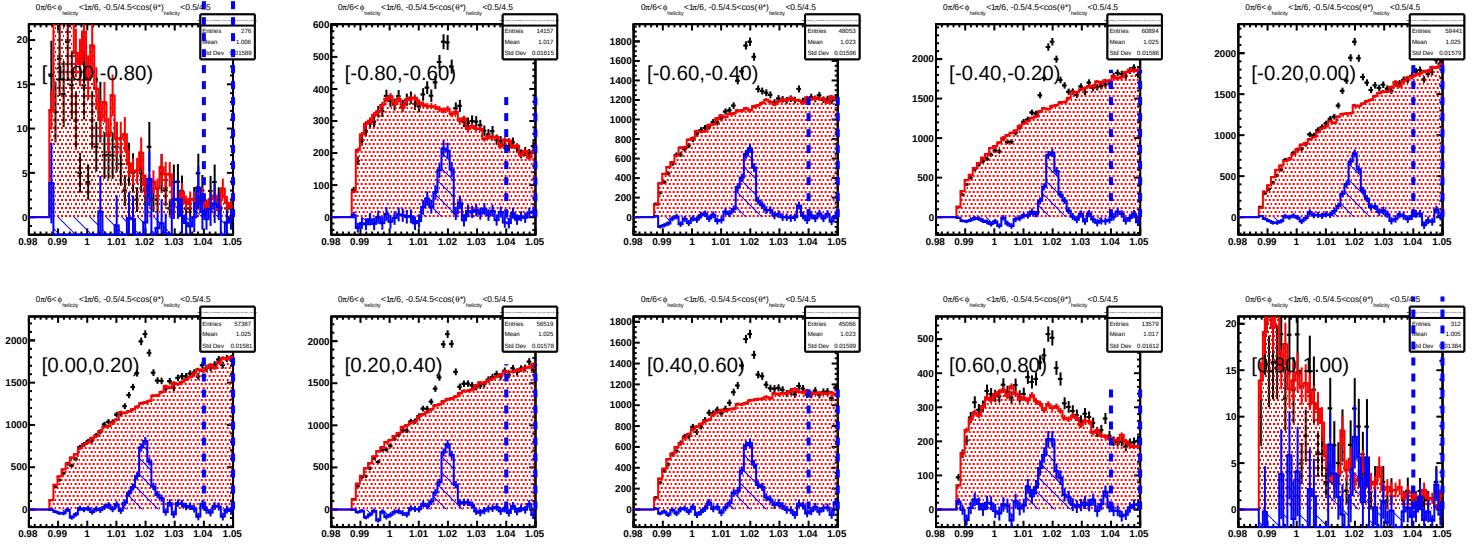

0π/6<ϕ_helicity<1π/6, -4.5/4.5<cos(θ*)_helicity<-3.5/4.5
[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


0π/6<φ_helicity<1π/6, -3.5/4.5<cos(θ*)_helicity<-2.5/4.5
Entries 941
Mean 1.013
Std Dev 0.01635
[-1.00,-0.80)
Entries 24961
Mean 1.022
Std Dev 0.01631
[-0.80,-0.60)
Entries 56539
Mean 1.024
Std Dev 0.0159
[-0.60,-0.40)
Entries 60406
Mean 1.025
Std Dev 0.01586
[-0.40,-0.20)
Entries 55546
Mean 1.024
Std Dev 0.01589
[-0.20,0.00)
Entries 52318
Mean 1.024
Std Dev 0.01589
[0.00,0.20)
Entries 51955
Mean 1.024
Std Dev 0.01595
[0.20,0.40)
Entries 41594
Mean 1.022
Std Dev 0.016
[0.40,0.60)
Entries 14143
Mean 1.016
Std Dev 0.01591
[0.60,0.80)
Entries 402
Mean 1.005
Std Dev 0.01357
[0.80,1.00)


0π/6<φ_helicity<1π/6, -2.5/4.5<cos(θ*)_helicity<-1.5/4.5
[-1.00,-0.80)
Entries 518
Mean 1.01
Std Dev 0.01561
[-0.80,-0.60)
Entries 19751
Mean 1.02
Std Dev 0.01616
[-0.60,-0.40)
Entries 54274
Mean 1.024
Std Dev 0.0159
[-0.40,-0.20)
Entries 61954
Mean 1.025
Std Dev 0.01588
[-0.20,0.00)
Entries 57658
Mean 1.025
Std Dev 0.01581
[0.00,0.20)
Entries 55199
Mean 1.025
Std Dev 0.01582
[0.20,0.40)
Entries 53618
Mean 1.024
Std Dev 0.01586
[0.40,0.60)
Entries 41692
Mean 1.022
Std Dev 0.01602
[0.60,0.80)
Entries 12473
Mean 1.016
Std Dev 0.01578
[0.80,1.00)
Entries 288
Mean 1.004
Std Dev 0.01374


0π/6<φ_helicity<1π/6, -1.5/4.5<cos(θ*)_helicity<-0.5/4.5
[-1.00,-0.80)
Entries 347
Mean .008
Std Dev .0159
[-0.80,-0.60)
Entries 16377
Mean 1.019
Std Dev 0.01623
[-0.60,-0.40)
Entries 51551
Mean 1.023
Std Dev 0.01598
[-0.40,-0.20)
Entries 62268
Mean 1.025
Std Dev 0.01582
[-0.20,0.00)
Entries 58325
Mean 1.025
Std Dev 0.01578
[0.00,0.20)
Entries 58519
Mean 1.025
Std Dev 0.01588
[0.20,0.40)
Entries 55449
Mean 1.024
Std Dev 0.01597
[0.40,0.60)
Entries 43167
Mean 1.022
Std Dev 0.016
[0.60,0.80)
Entries 12363
Mean 1.016
Std Dev 0.01605
[0.80,1.00)
Entries 247
Mean 1.004
Std Dev 0.0143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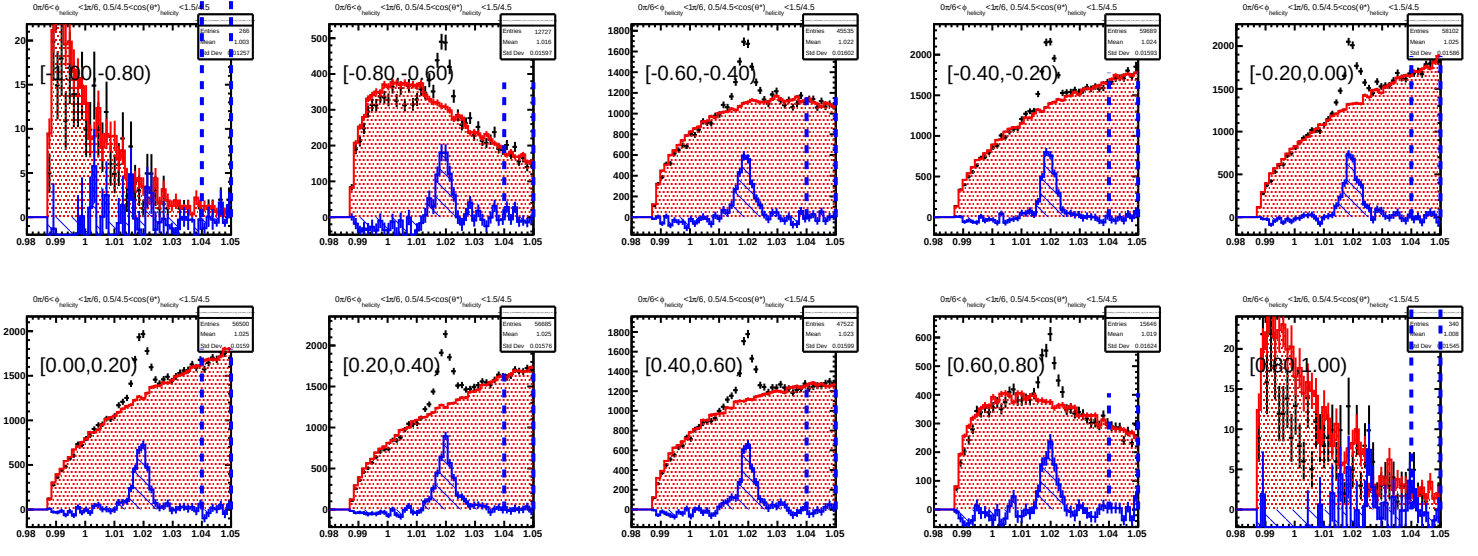
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


0π/6<φ_helicity<1π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
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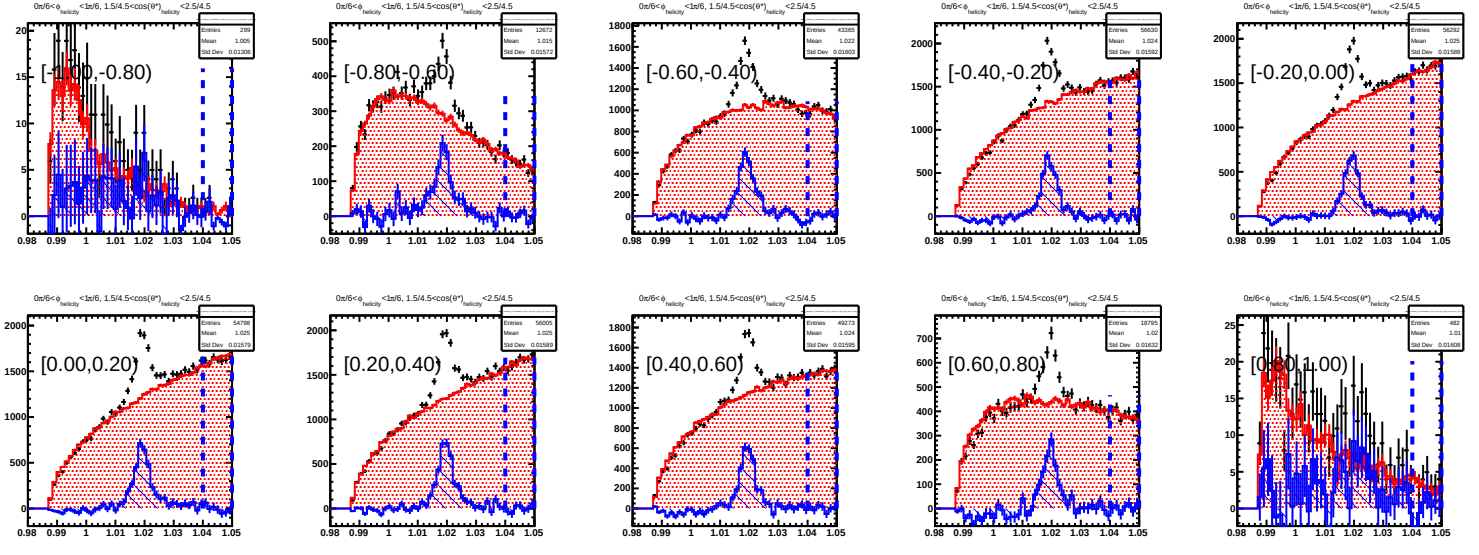
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


0π/6<φ_helicity<1π/6, 1.5/4.5<cos(θ*)_helicity<2.5/4.5
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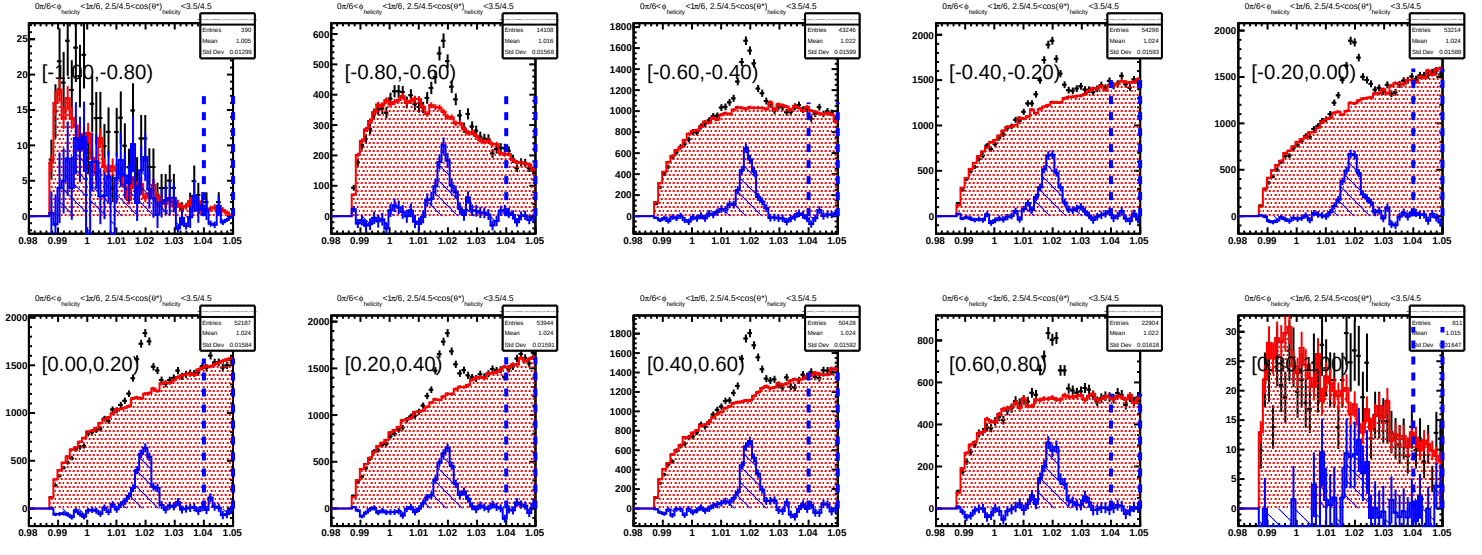
Entries 299
Mean 1.005
Std Dev 0.01306
[-0.80,-0.60)
Entries 12672
Mean 1.015
Std Dev 0.01572
[-0.60,-0.40)
Entries 43355
Mean 1.022
Std Dev 0.01603
[-0.40,-0.20)
Entries 56633
Mean 1.024
Std Dev 0.01592
[-0.20,0.00)
Entries 58292
Mean 1.025
Std Dev 0.01589
[0.00,0.20)
Entries 54798
Mean 1.025
Std Dev 0.01579
[0.20,0.40)
Entries 56005
Mean 1.025
Std Dev 0.01589
[0.40,0.60)
Entries 49273
Mean 1.024
Std Dev 0.01595
[0.60,0.80)
Entries 18795
Mean 1.02
Std Dev 0.01632
[0.80,1.00)
Entries 492
Mean 1.01
Std Dev 0.01609


0π/6<φ_helicity<1π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
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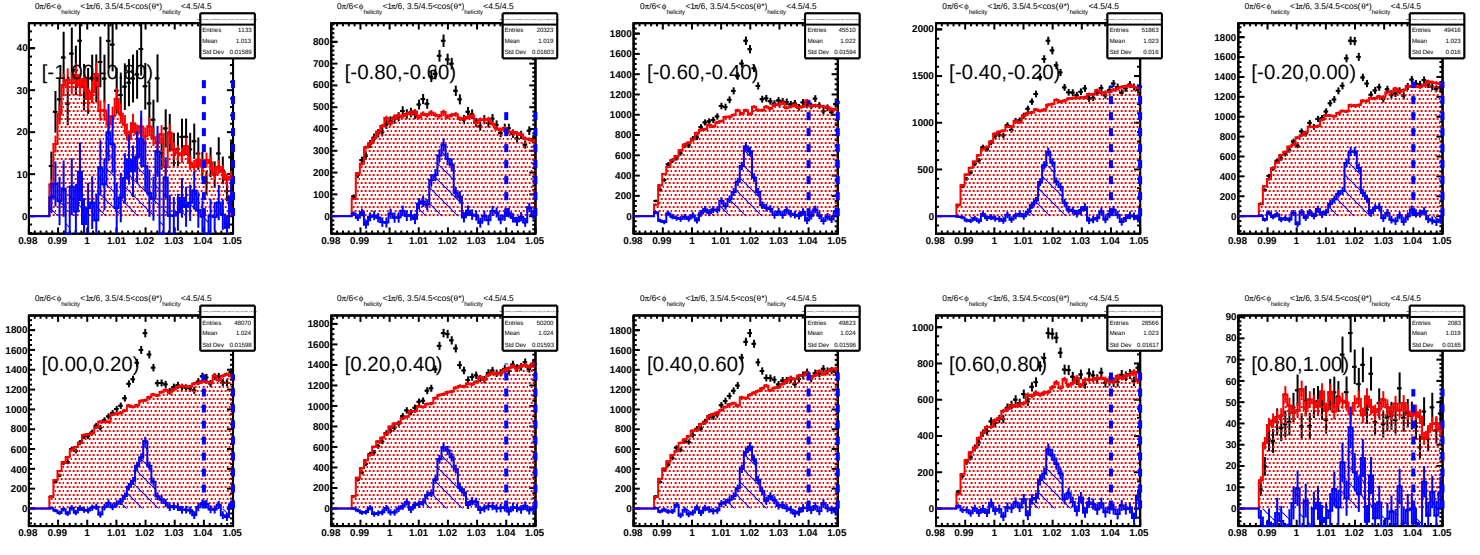
Entries 390
Mean 1.005
Std Dev 0.01299
[-0.80,-0.60)
Entries 14108
Mean 1.016
Std Dev 0.01593
[-0.60,-0.40)
Entries 43248
Mean 1.022
Std Dev 0.01599
[-0.40,-0.20)
Entries 54268
Mean 1.024
Std Dev 0.01593
[-0.20,0.00)
Entries 53214
Mean 1.024
Std Dev 0.01589
[0.00,0.20)
Entries 52187
Mean 1.024
Std Dev 0.01584
[0.20,0.40)
Entries 53944
Mean 1.024
Std Dev 0.01591
[0.40,0.60)
Entries 50428
Mean 1.024
Std Dev 0.01592
[0.60,0.80)
Entries 22964
Mean 1.022
Std Dev 0.01618
[0.80,1.00)
Entries 811
Mean 1.015
Std Dev 0.01647


0π/6<φ_helicity<1π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
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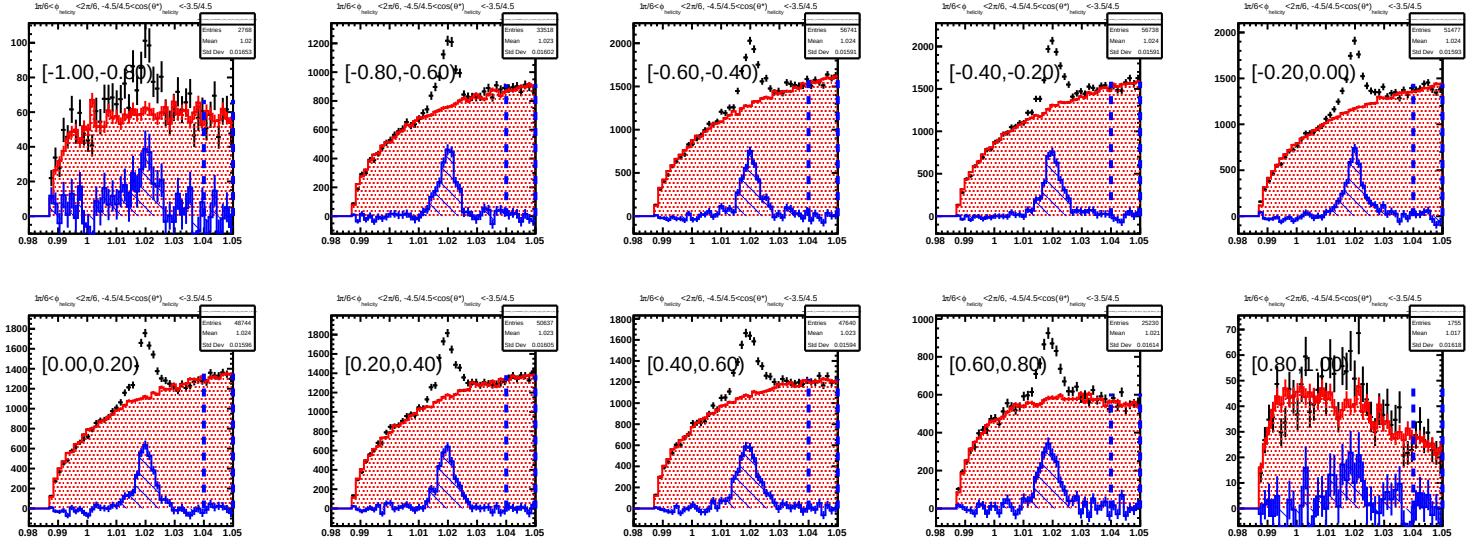
Entries 1133
Mean 1.013
Std Dev 0.01589
[-0.80,-0.60)
Entries 20323
Mean 1.019
Std Dev 0.01603
[-0.60,-0.40)
Entries 45510
Mean 1.022
Std Dev 0.01594
[-0.40,-0.20)
Entries 51863
Mean 1.023
Std Dev 0.016
[-0.20,0.00)
Entries 49416
Mean 1.023
Std Dev 0.016
[0.00,0.20)
Entries 48070
Mean 1.024
Std Dev 0.01598
[0.20,0.40)
Entries 50200
Mean 1.024
Std Dev 0.01593
[0.40,0.60)
Entries 49823
Mean 1.024
Std Dev 0.01596
[0.60,0.80)
Entries 28568
Mean 1.023
Std Dev 0.01617
[0.80,1.00)
Entries 2083
Mean 1.019
Std Dev 0.0165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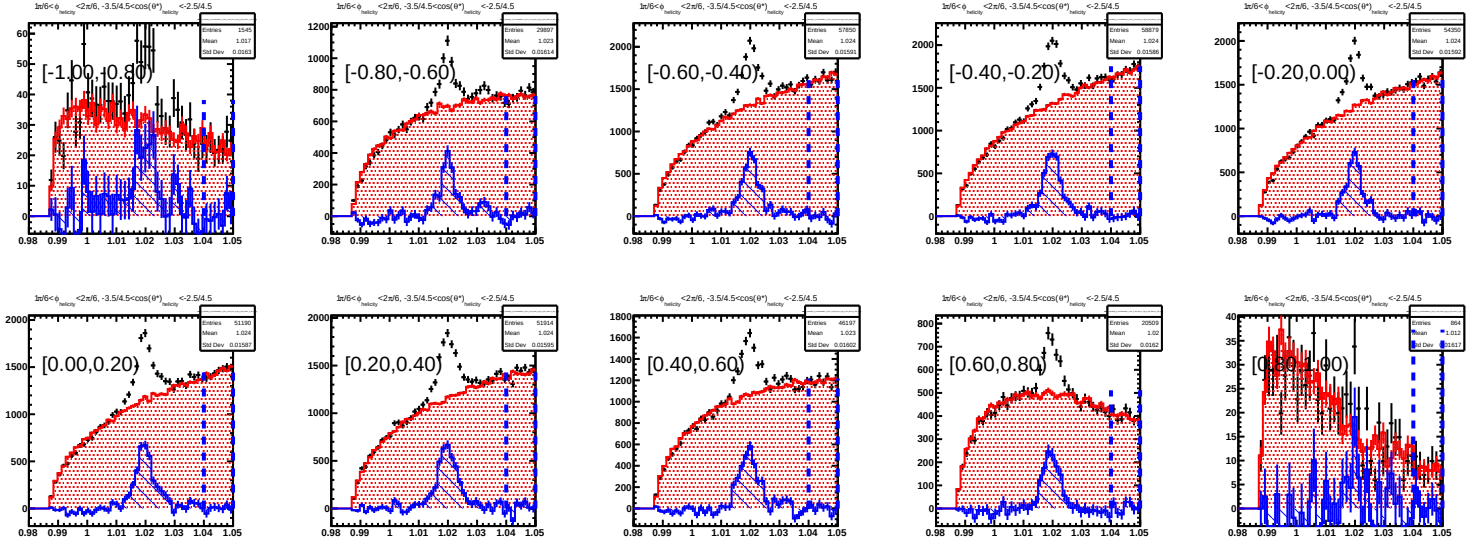
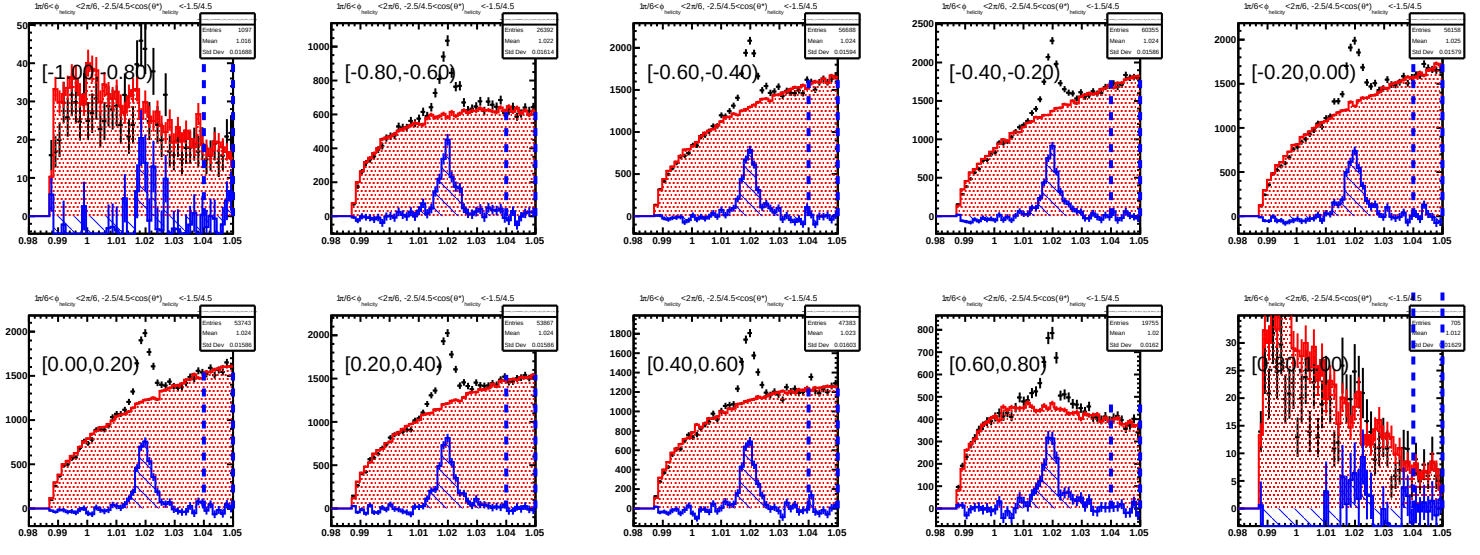
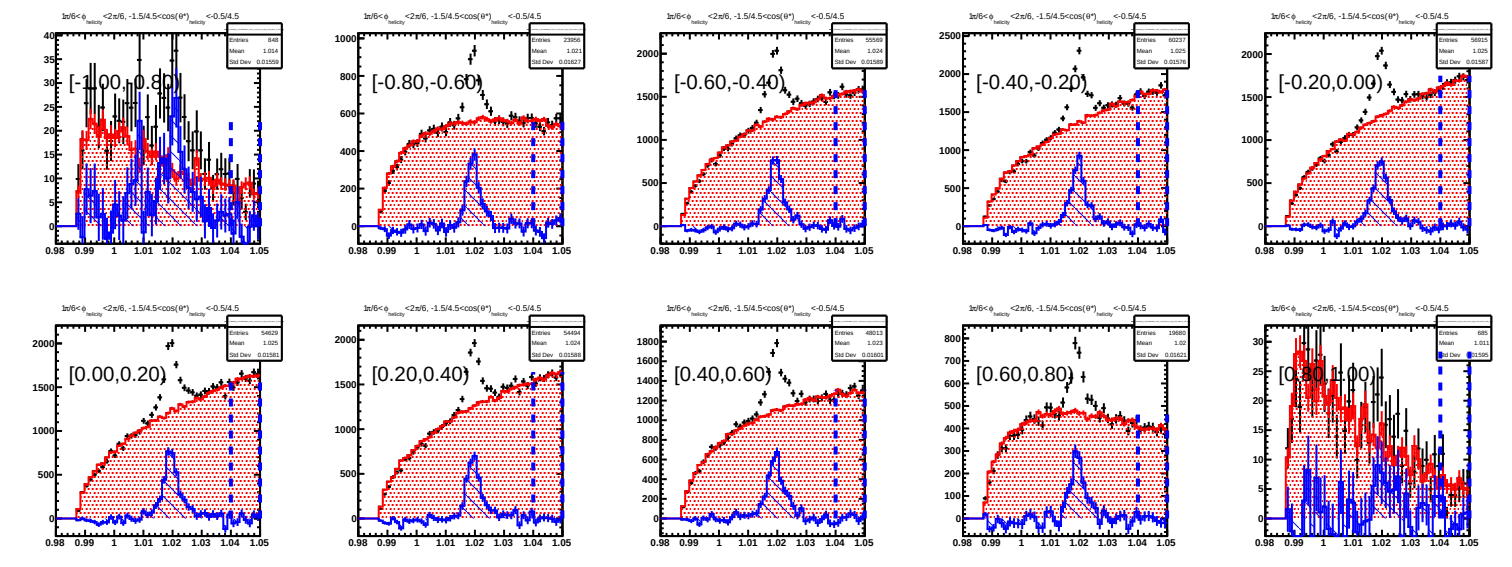
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


[-1.00,-0.80)
Entries 1545
Mean 1.017
Std Dev 0.0163
[-0.80,-0.60)
Entries 29897
Mean 1.023
Std Dev 0.01614
[-0.60,-0.40)
Entries 57858
Mean 1.024
Std Dev 0.01591
[-0.40,-0.20)
Entries 58873
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 54350
Mean 1.024
Std Dev 0.01592
[0.00,0.20)
Entries 51190
Mean 1.024
Std Dev 0.01587
[0.20,0.40)
Entries 51914
Mean 1.024
Std Dev 0.01595
[0.40,0.60)
Entries 46197
Mean 1.023
Std Dev 0.01602
[0.60,0.80)
Entries 20503
Mean 1.02
Std Dev 0.0162
[0.80,1.00)
Entries 994
Mean 1.012
Std Dev 0.0167


[-1.00,-0.80)
Entries 1097
Mean 1.016
Std Dev 0.01688
[-0.80,-0.60)
Entries 26392
Mean 1.022
Std Dev 0.01614
[-0.60,-0.40)
Entries 56688
Mean 1.024
Std Dev 0.01594
[-0.40,-0.20)
Entries 60353
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 58158
Mean 1.025
Std Dev 0.01579
[0.00,0.20)
Entries 53743
Mean 1.024
Std Dev 0.01586
[0.20,0.40)
Entries 53867
Mean 1.024
Std Dev 0.01588
[0.40,0.60)
Entries 47383
Mean 1.023
Std Dev 0.01603
[0.60,0.80)
Entries 19753
Mean 1.02
Std Dev 0.0162
[0.80,1.00)
Entries 705
Mean 1.012
Std Dev 0.01629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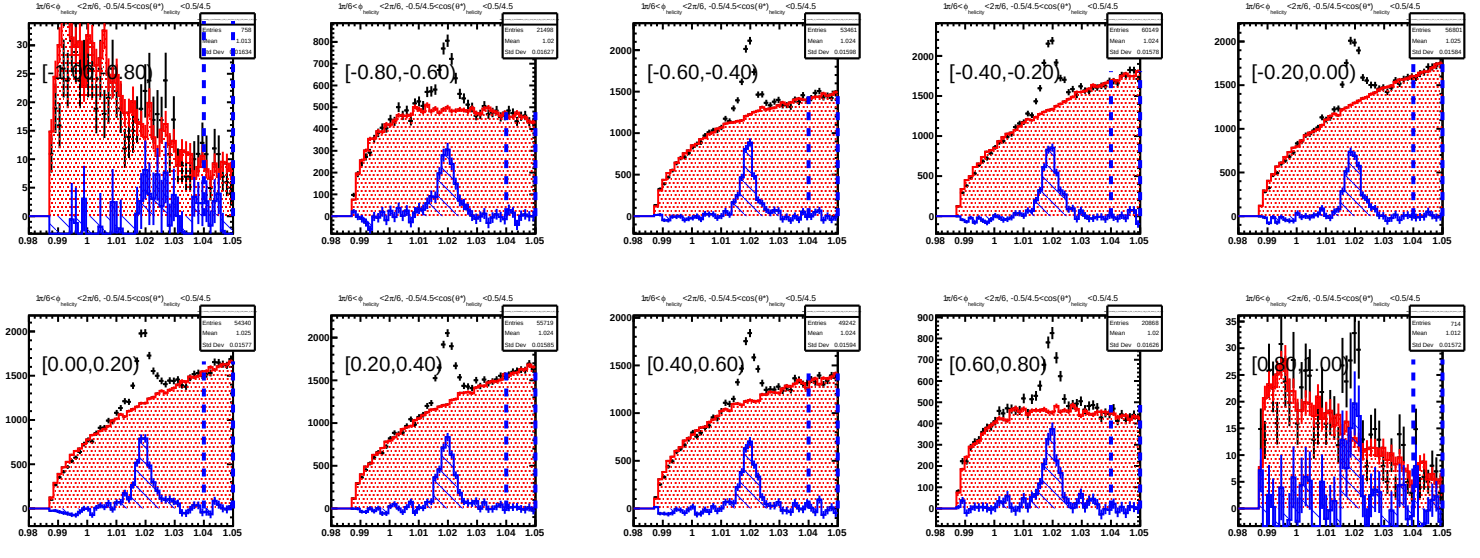
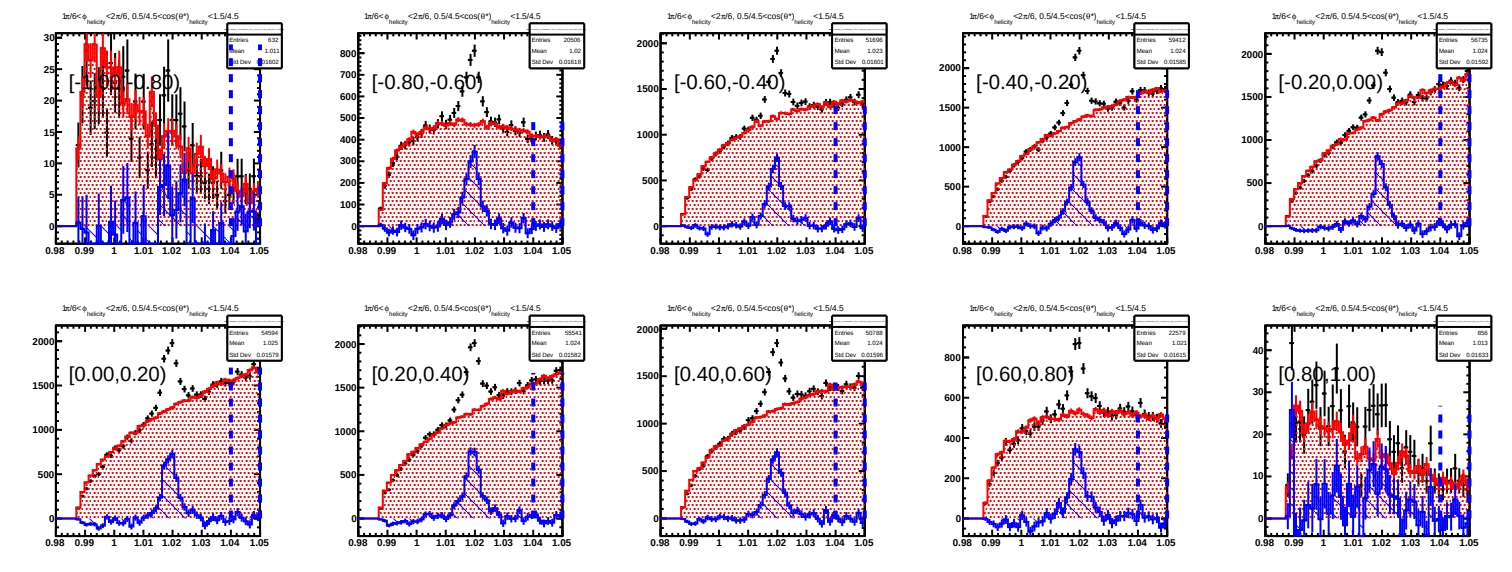
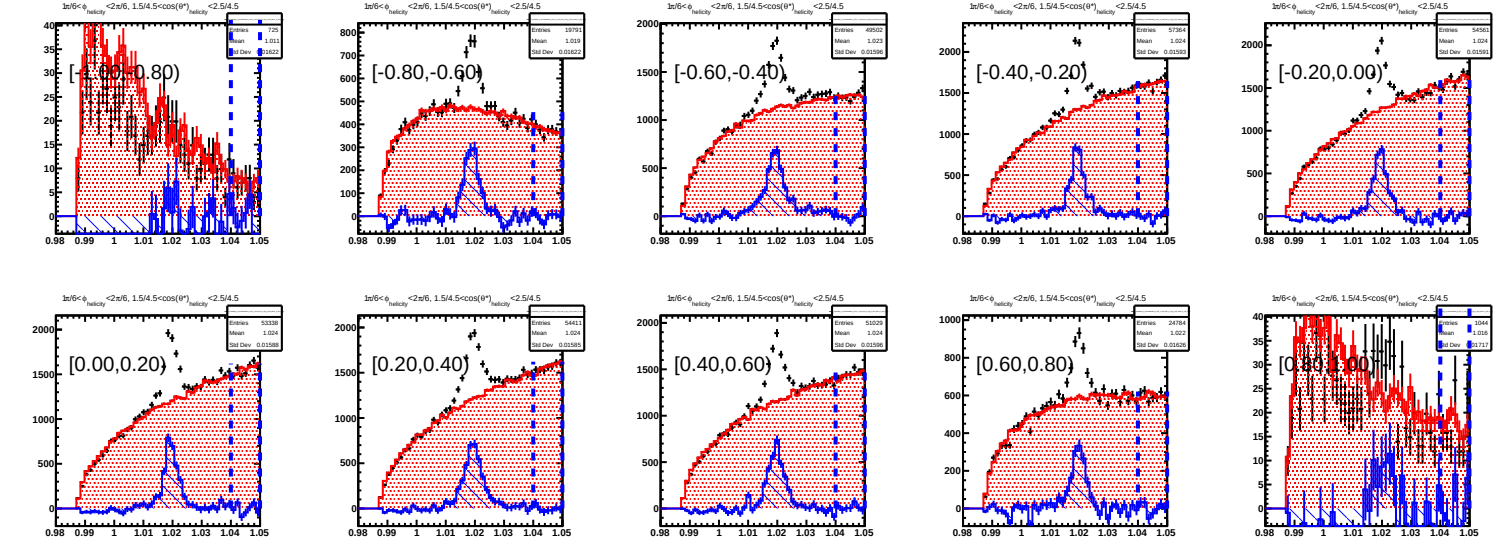
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


1π/6<φ_helicity<2π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
[-1.00,-0.80)
Entries 632
Mean 1.011
Std Dev 0.01602
[-0.80,-0.60)
Entries 20506
Mean 1.02
Std Dev 0.01618
[-0.60,-0.40)
Entries 51696
Mean 1.023
Std Dev 0.01601
[-0.40,-0.20)
Entries 59412
Mean 1.024
Std Dev 0.01585
[-0.20,0.00)
Entries 56735
Mean 1.024
Std Dev 0.01592
[0.00,0.20)
Entries 54594
Mean 1.025
Std Dev 0.01579
[0.20,0.40)
Entries 55541
Mean 1.024
Std Dev 0.01592
[0.40,0.60)
Entries 50788
Mean 1.024
Std Dev 0.01596
[0.60,0.80)
Entries 22573
Mean 1.031
Std Dev 0.01615
[0.80,1.00)
Entries 856
Mean 1.013
Std Dev 0.01633


[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
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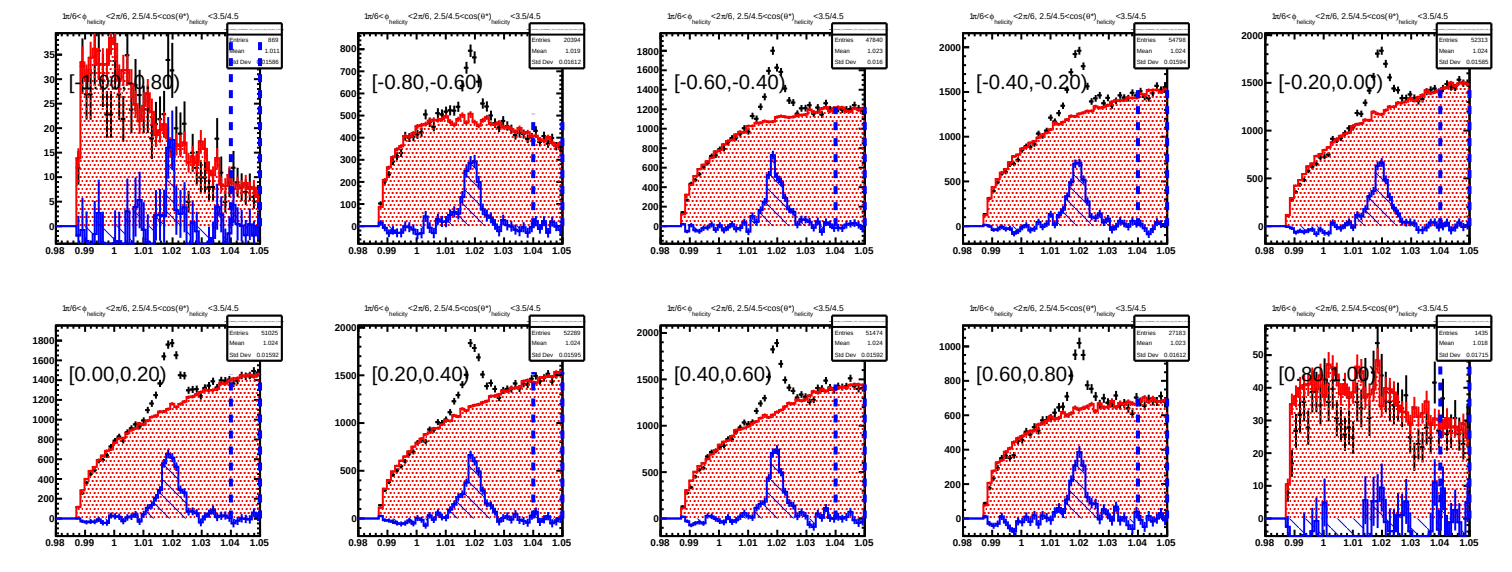
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)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[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
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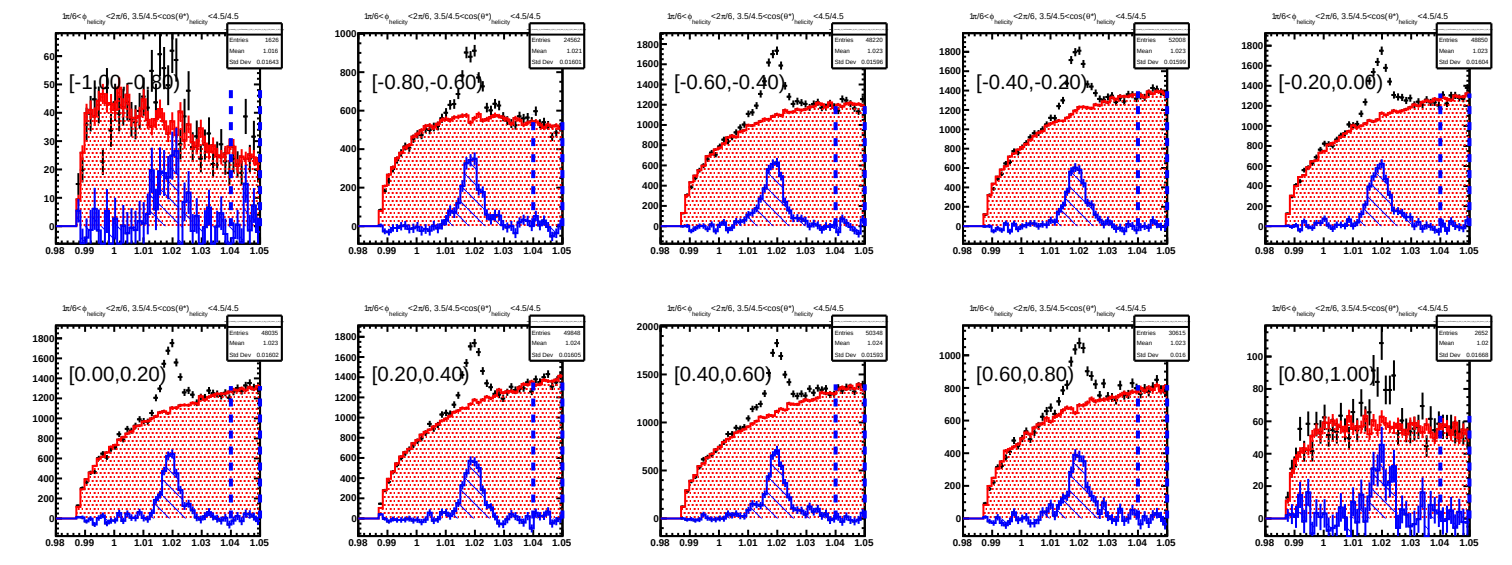
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)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[-0.80,-0.60)
[-0.60,-0.40)
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[-0.20,0.00)
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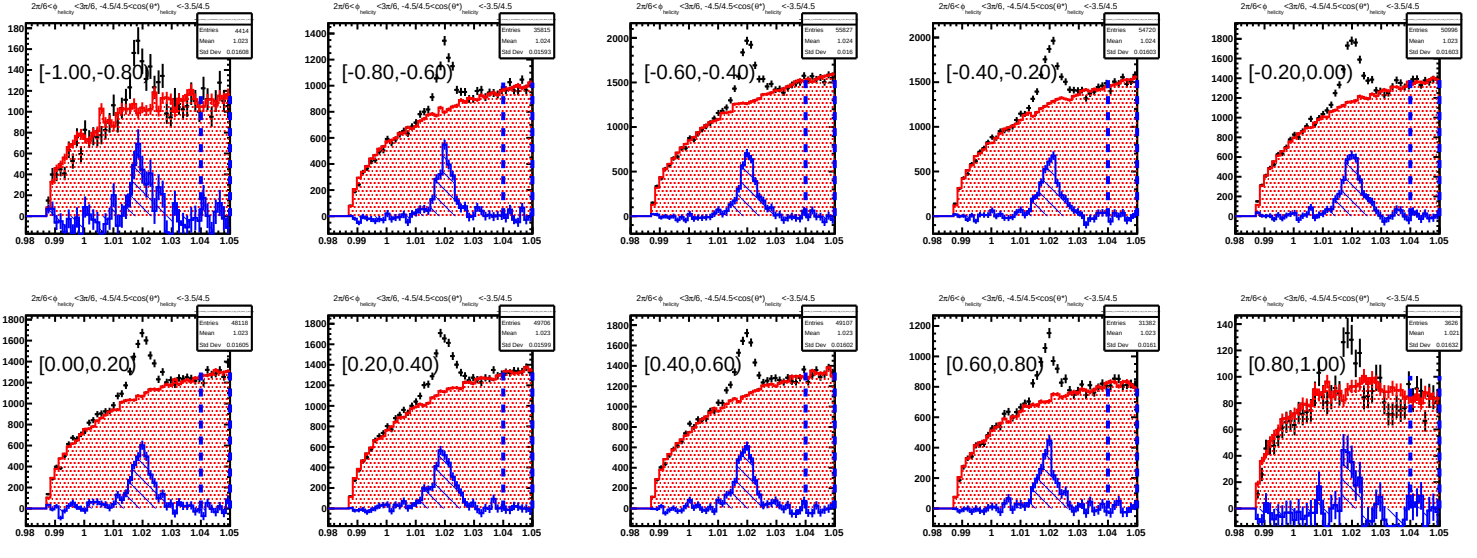
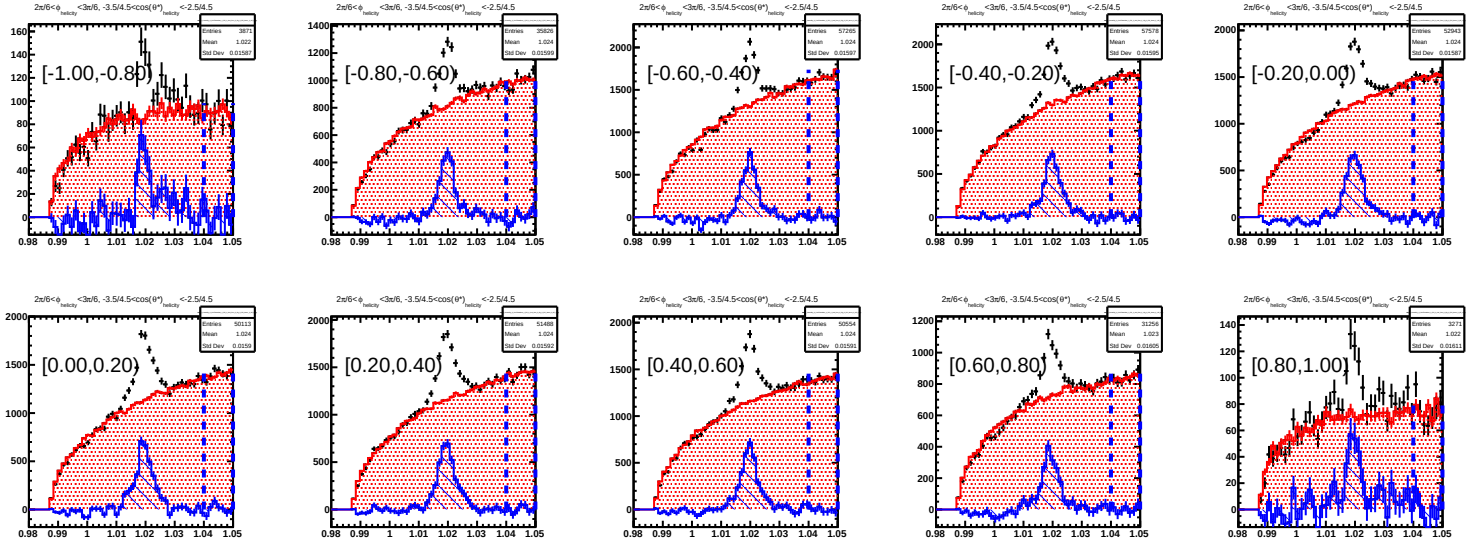
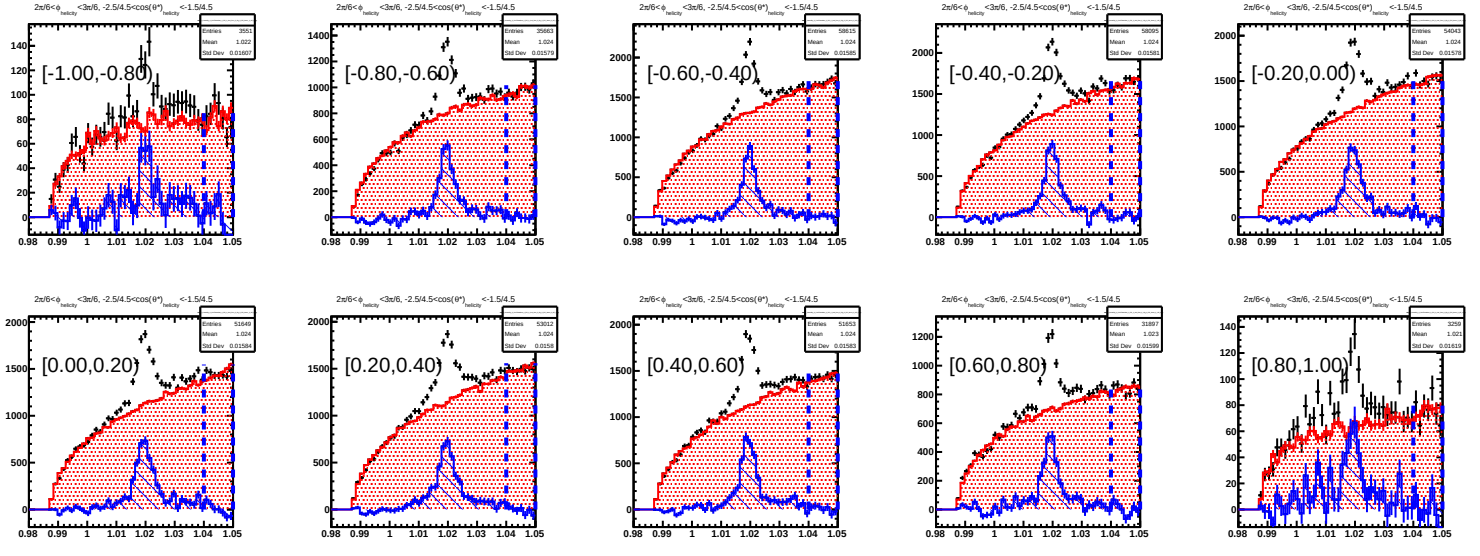
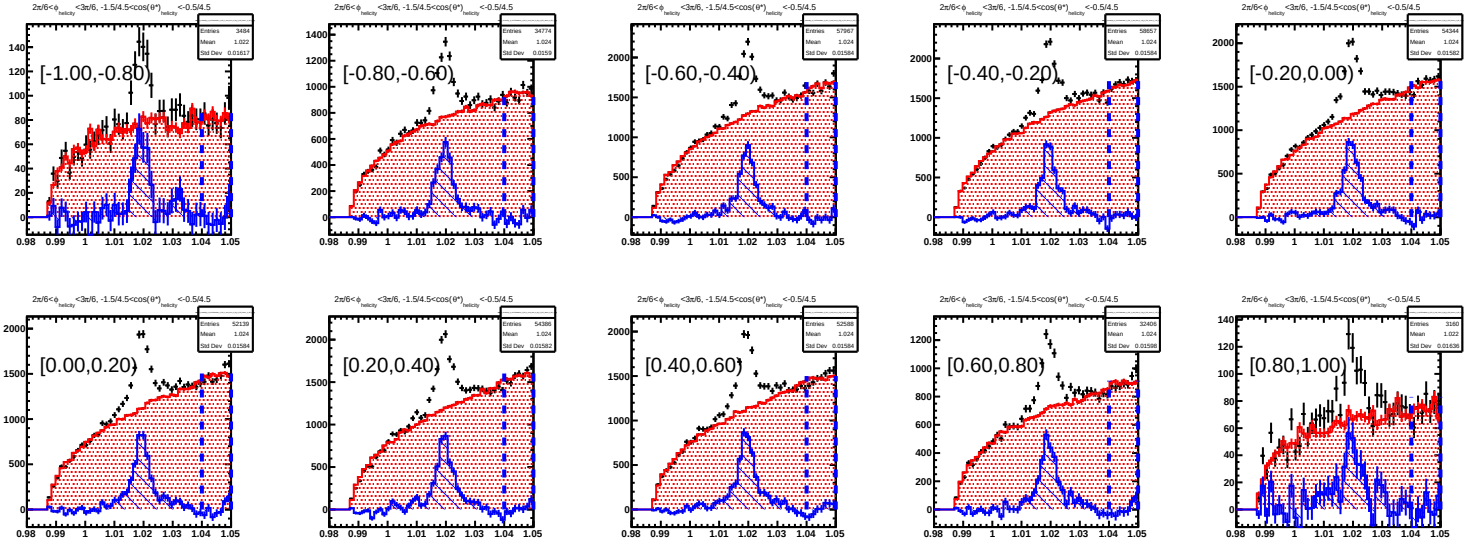
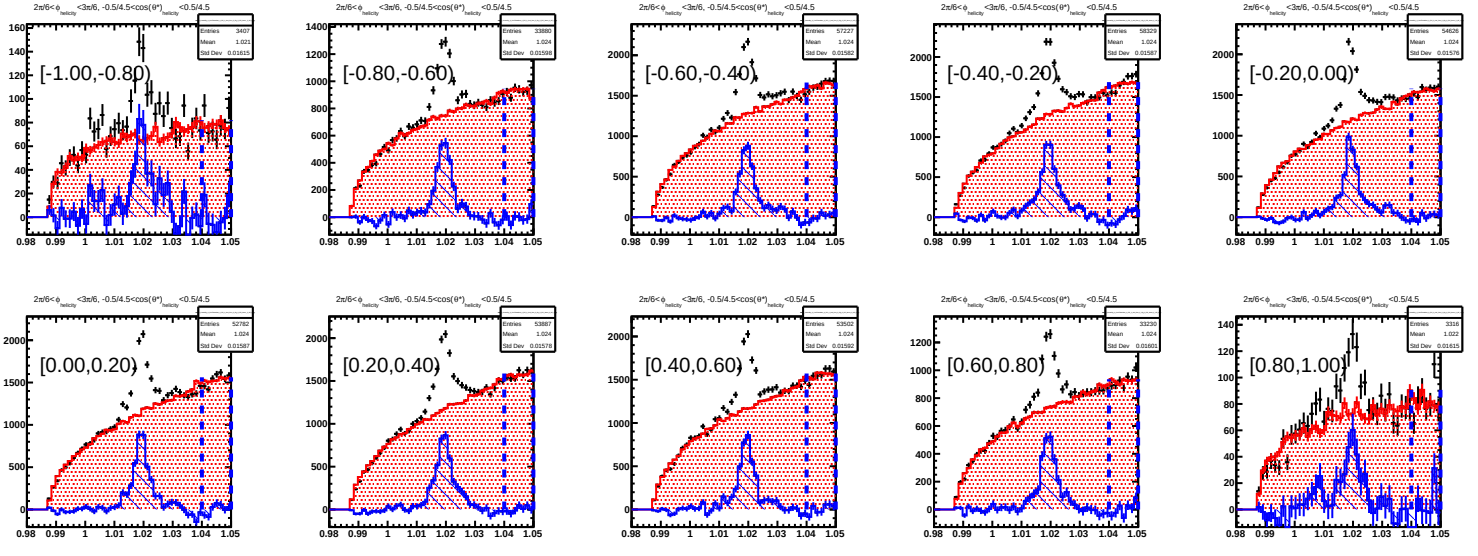
[0.40,0.60)
[0.60,0.80)
[0.80,1.00]

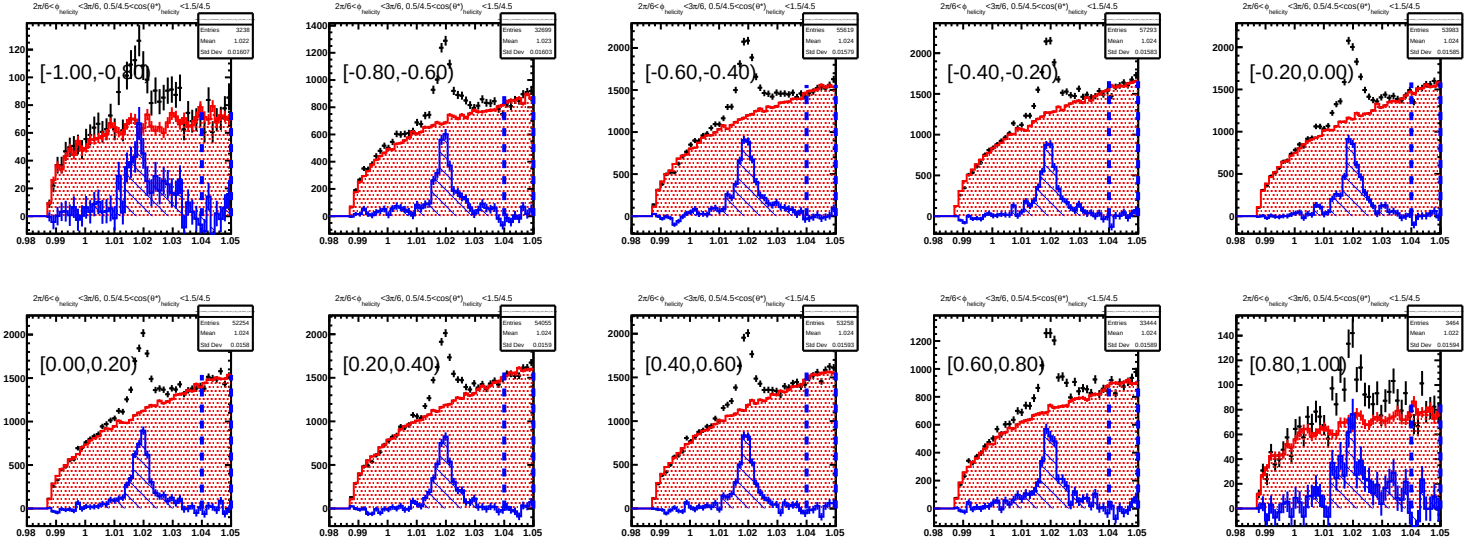

2π/6<φ_helicity<3π/6, -4.5/4.5<cos(θ*)_helicity<-3.5/4.5
[-1.00,-0.80)
Entries 4414
Mean 1.023
Std Dev 0.01608
[-0.80,-0.60)
Entries 35815
Mean 1.024
Std Dev 0.01593
[-0.60,-0.40)
Entries 55827
Mean 1.024
Std Dev 0.016
[-0.40,-0.20)
Entries 54720
Mean 1.024
Std Dev 0.01603
[-0.20,0.00)
Entries 50996
Mean 1.023
Std Dev 0.01603
[0.00,0.20)
Entries 48118
Mean 1.023
Std Dev 0.01605
[0.20,0.40)
Entries 49706
Mean 1.023
Std Dev 0.01599
[0.40,0.60)
Entries 49107
Mean 1.023
Std Dev 0.01602
[0.60,0.80)
Entries 31382
Mean 1.023
Std Dev 0.0161
[0.80,1.00)
Entries 3926
Mean 1.021
Std Dev 0.01632

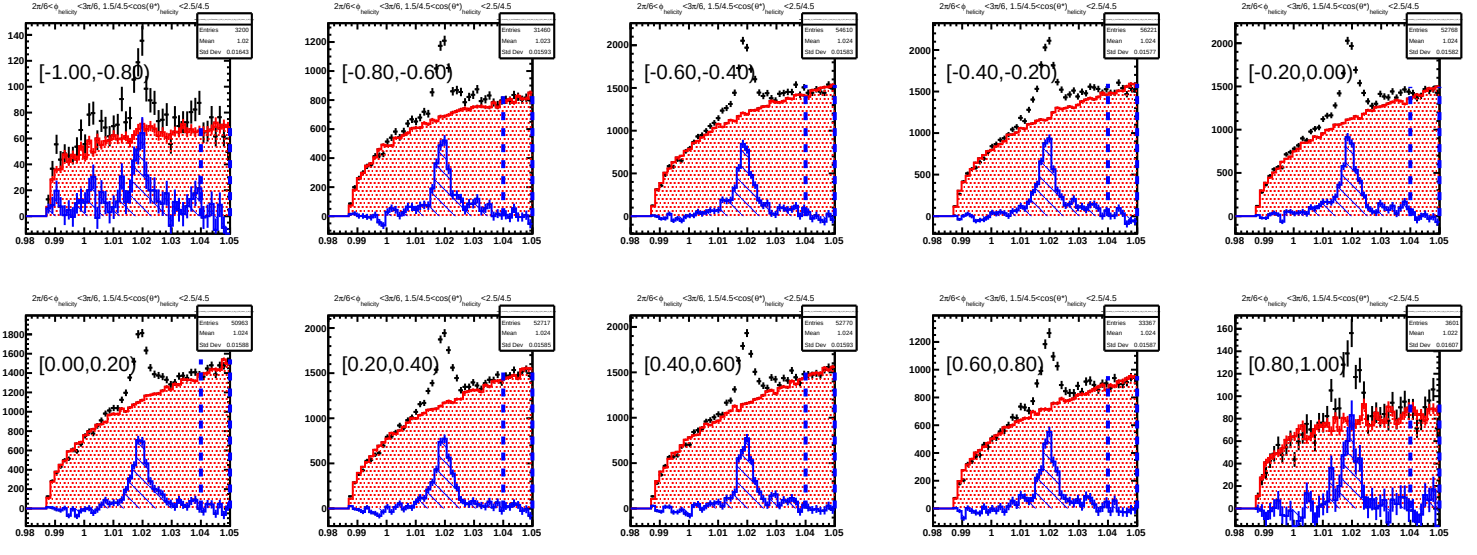

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

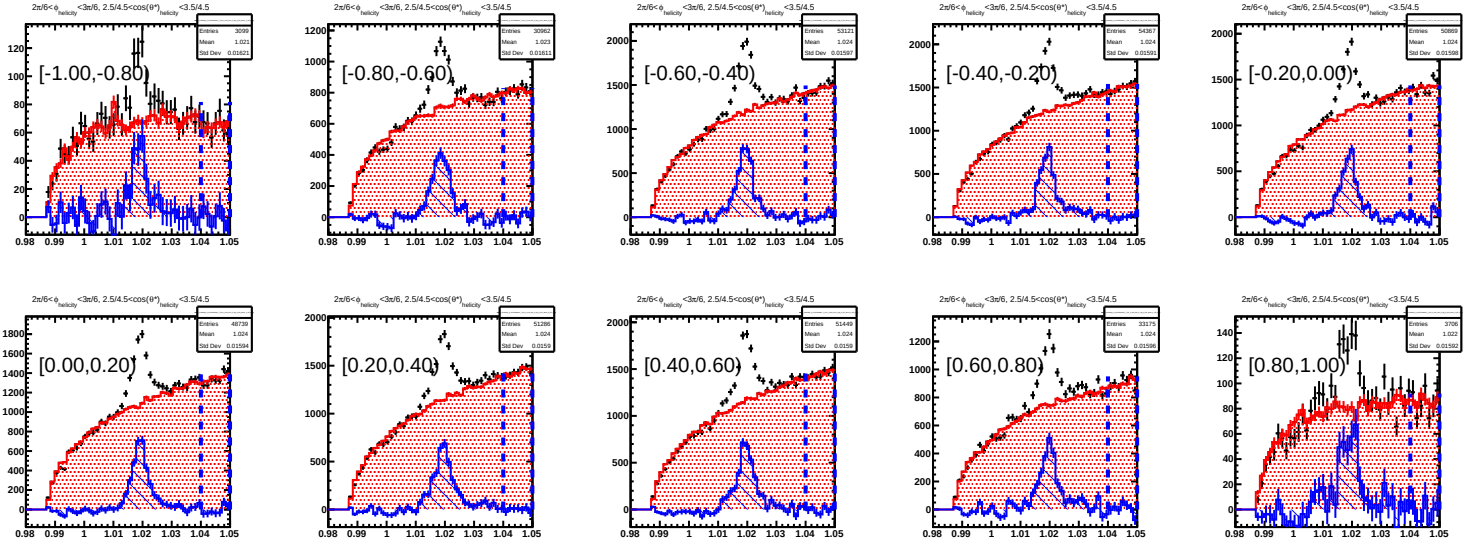

2π/6<φ_{helicity}<3π/6, -2.5/4.5<cos(θ*)_{helicity}<-1.5/4.5
[-1.00,-0.80)
Entries 3551
Mean 1.022
Std Dev 0.01607
[-0.80,-0.60)
Entries 35663
Mean 1.024
Std Dev 0.01579
[-0.60,-0.40)
Entries 58515
Mean 1.024
Std Dev 0.01585
[-0.40,-0.20)
Entries 58065
Mean 1.024
Std Dev 0.01581
[-0.20,0.00)
Entries 54043
Mean 1.024
Std Dev 0.01578
[0.00,0.20)
Entries 51649
Mean 1.024
Std Dev 0.01584
[0.20,0.40)
Entries 53012
Mean 1.024
Std Dev 0.0158
[0.40,0.60)
Entries 51653
Mean 1.024
Std Dev 0.01583
[0.60,0.80)
Entries 31897
Mean 1.023
Std Dev 0.01599
[0.80,1.00)
Entries 3258
Mean 1.021
Std Dev 0.01619

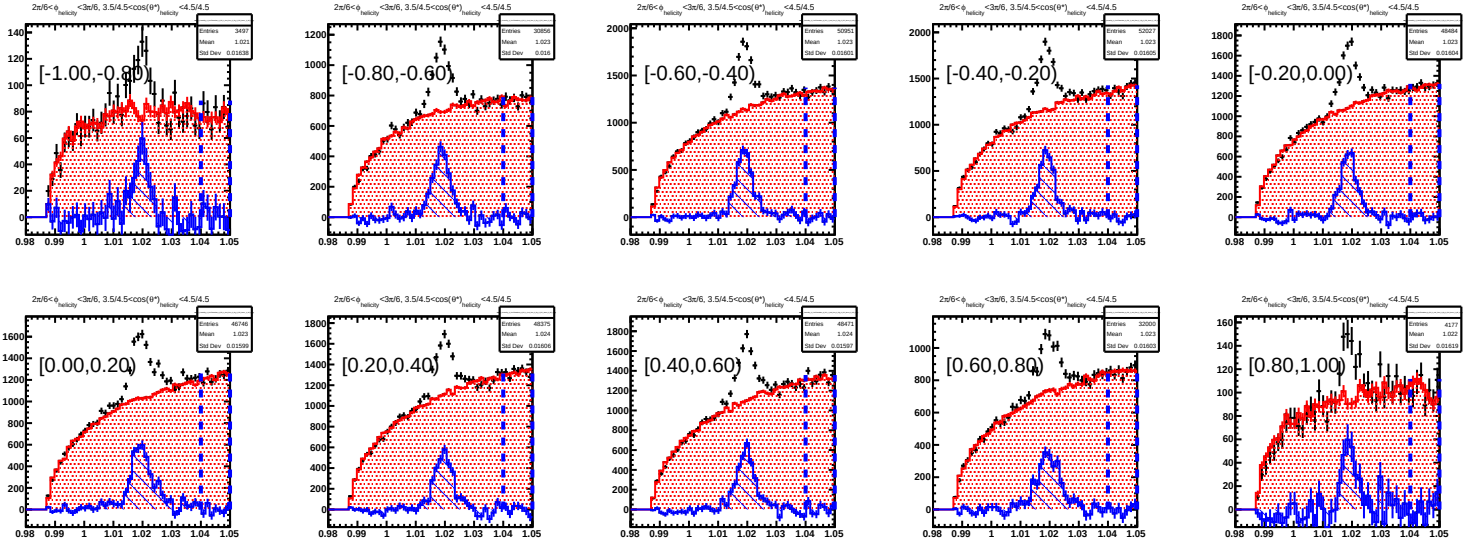

2π/6<φ_helicity<3π/6, -1.5/4.5<cos(θ*)_helicity<-0.5/4.5
[-1.00,-0.80)
Entries 3484
Mean 1.022
Std Dev 0.01617
[-0.80,-0.60)
Entries 34774
Mean 1.024
Std Dev 0.0159
[-0.60,-0.40)
Entries 57987
Mean 1.024
Std Dev 0.01584
[-0.40,-0.20)
Entries 58657
Mean 1.024
Std Dev 0.01584
[-0.20,0.00)
Entries 54344
Mean 1.024
Std Dev 0.01582
[0.00,0.20)
Entries 52139
Mean 1.024
Std Dev 0.01584
[0.20,0.40)
Entries 54386
Mean 1.024
Std Dev 0.01582
[0.40,0.60)
Entries 52588
Mean 1.024
Std Dev 0.01584
[0.60,0.80)
Entries 32408
Mean 1.024
Std Dev 0.01586
[0.80,1.00)
Entries 3160
Mean 1.022
Std Dev 0.01636

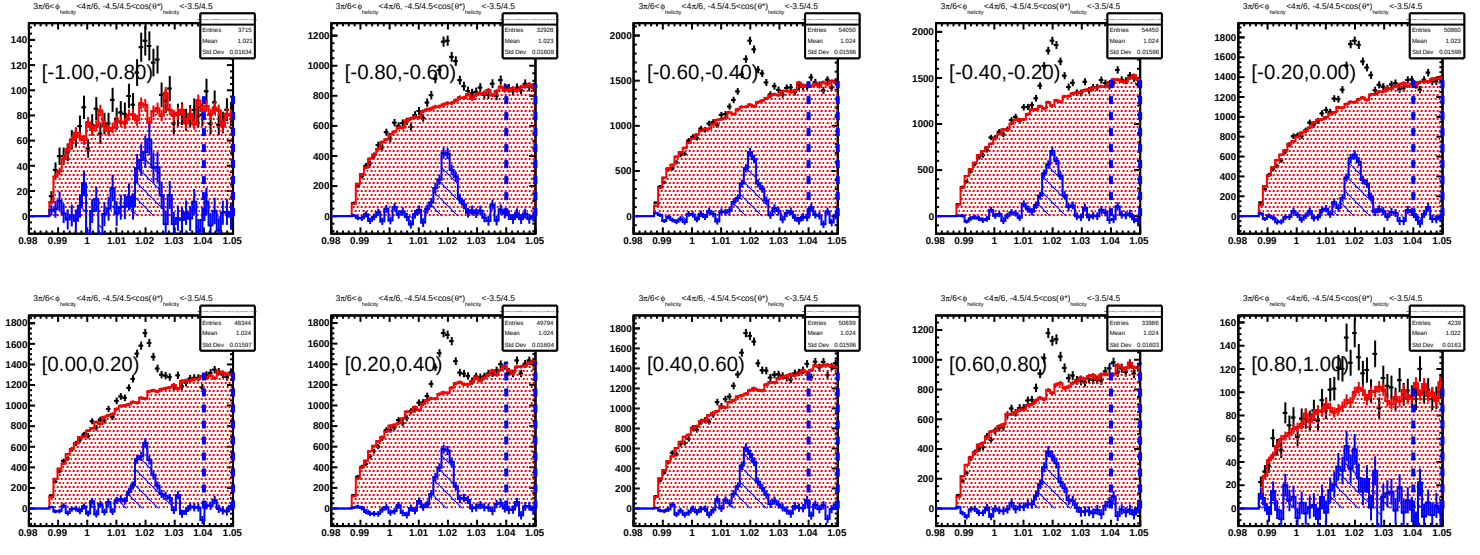

2π/6<ϕ_helicity<3π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 3407
Mean 1.021
Std Dev 0.01615
[-0.80,-0.60)
Entries 33880
Mean 1.024
Std Dev 0.01598
[-0.60,-0.40)
Entries 57227
Mean 1.024
Std Dev 0.01582
[-0.40,-0.20)
Entries 58323
Mean 1.024
Std Dev 0.01587
[-0.20,0.00)
Entries 54626
Mean 1.024
Std Dev 0.01576
[0.00,0.20)
Entries 52782
Mean 1.024
Std Dev 0.01587
[0.20,0.40)
Entries 53887
Mean 1.024
Std Dev 0.01578
[0.40,0.60)
Entries 53502
Mean 1.024
Std Dev 0.01592
[0.60,0.80)
Entries 33232
Mean 1.024
Std Dev 0.01601
[0.80,1.00)
Entries 3316
Mean 1.022
Std Dev 0.01615

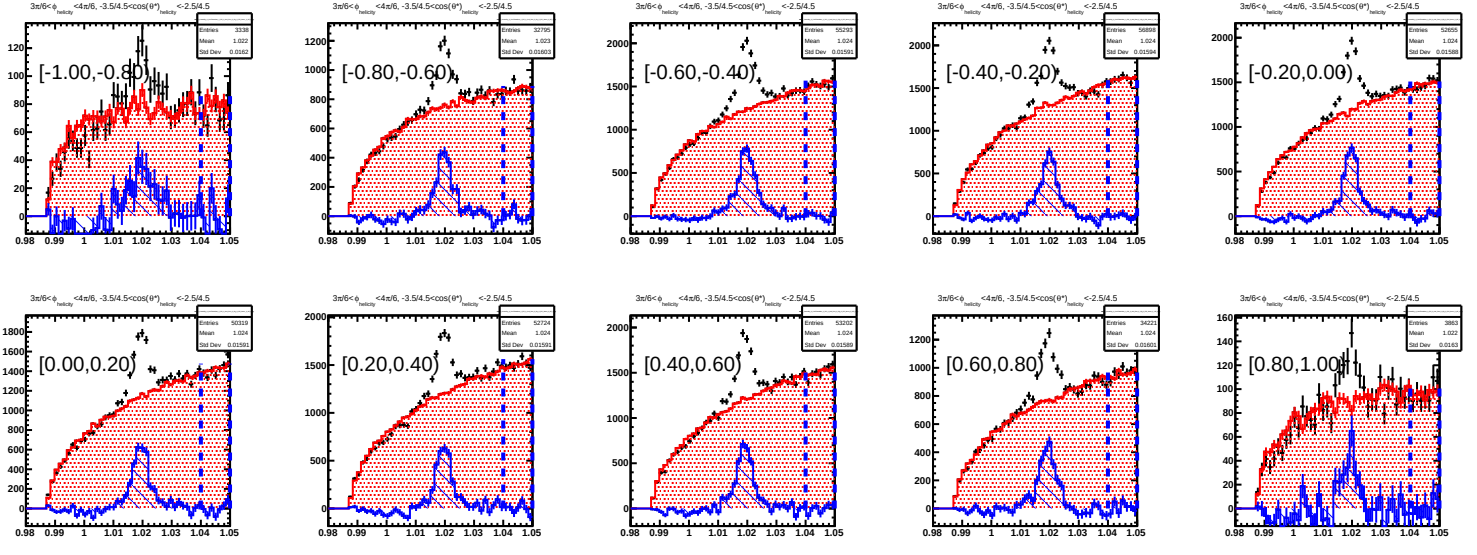

2π/6<φ_helicity<3π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
[-1.00,-0.80)
Entries 3238
Mean 1.022
Std Dev 0.01607
[-0.80,-0.60)
Entries 32699
Mean 1.023
Std Dev 0.01603
[-0.60,-0.40)
Entries 55619
Mean 1.024
Std Dev 0.01579
[-0.40,-0.20)
Entries 57263
Mean 1.024
Std Dev 0.01583
[-0.20,0.00)
Entries 53982
Mean 1.024
Std Dev 0.01585
[0.00,0.20)
Entries 52254
Mean 1.024
Std Dev 0.0158
[0.20,0.40)
Entries 54055
Mean 1.024
Std Dev 0.0159
[0.40,0.60)
Entries 53258
Mean 1.024
Std Dev 0.01593
[0.60,0.80)
Entries 33464
Mean 1.024
Std Dev 0.01589
[0.80,1.00)
Entries 3464
Mean 1.022
Std Dev 0.01594

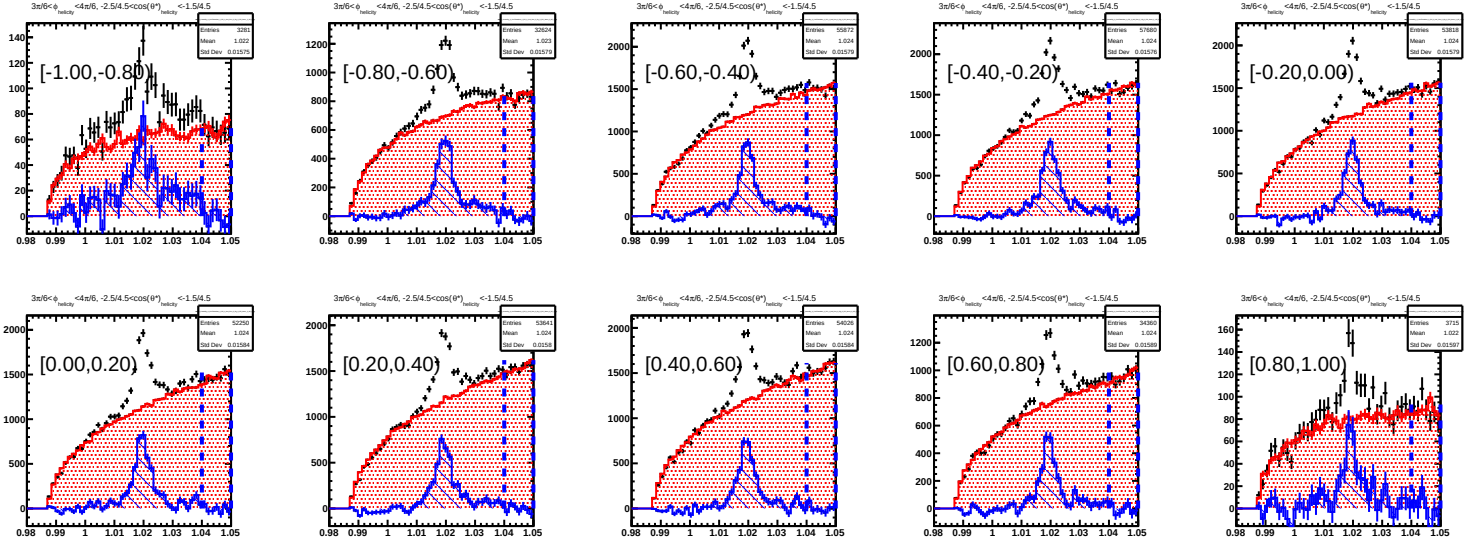

2π/6<φ_helicity<3π/6, 1.5/4.5<cos(θ*)_helicity<2.5/4.5
[-1.00,-0.80)
Entries 3200
Mean 1.02
Std Dev 0.01643
[-0.80,-0.60)
Entries 31460
Mean 1.023
Std Dev 0.01593
[-0.60,-0.40)
Entries 54610
Mean 1.024
Std Dev 0.01583
[-0.40,-0.20)
Entries 56221
Mean 1.024
Std Dev 0.01577
[-0.20,0.00)
Entries 52768
Mean 1.024
Std Dev 0.01582
[0.00,0.20)
Entries 50963
Mean 1.024
Std Dev 0.01588
[0.20,0.40)
Entries 52717
Mean 1.024
Std Dev 0.01585
[0.40,0.60)
Entries 52770
Mean 1.024
Std Dev 0.01593
[0.60,0.80)
Entries 33367
Mean 1.024
Std Dev 0.01587
[0.80,1.00)
Entries 3601
Mean 1.022
Std Dev 0.01607

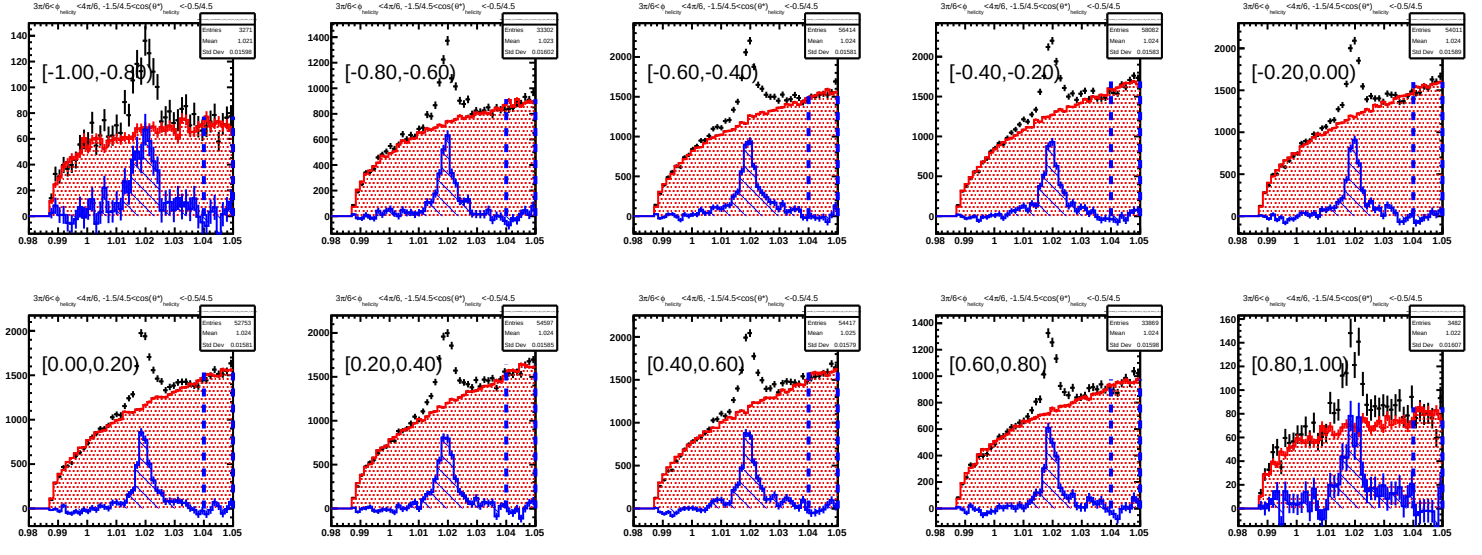

2π/6<φ_helicity<3π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
[-1.00,-0.80)
Entries 3099
Mean 1.021
Std Dev 0.01621
[-0.80,-0.60)
Entries 30962
Mean 1.023
Std Dev 0.01611
[-0.60,-0.40)
Entries 53123
Mean 1.024
Std Dev 0.01597
[-0.40,-0.20)
Entries 54367
Mean 1.024
Std Dev 0.01591
[-0.20,0.00)
Entries 50868
Mean 1.024
Std Dev 0.01598
[0.00,0.20)
Entries 48739
Mean 1.024
Std Dev 0.01594
[0.20,0.40)
Entries 51286
Mean 1.024
Std Dev 0.0159
[0.40,0.60)
Entries 51449
Mean 1.024
Std Dev 0.0159
[0.60,0.80)
Entries 33173
Mean 1.024
Std Dev 0.01596
[0.80,1.00)
Entries 3706
Mean 1.022
Std Dev 0.01592

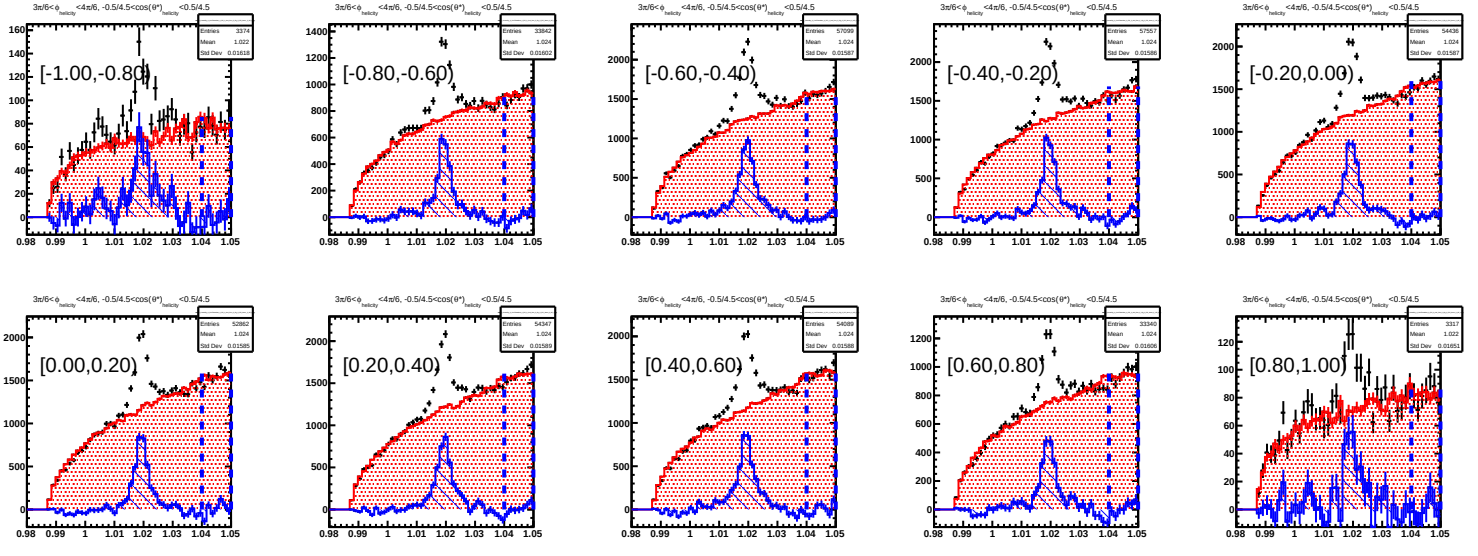

2π/6<φ_helicity<3π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
Entries 3497
Mean 1.021
Std Dev 0.01638
[-1.00,-0.80)
Entries 30856
Mean 1.023
Std Dev 0.016
[-0.80,-0.60)
Entries 50953
Mean 1.023
Std Dev 0.01601
[-0.60,-0.40)
Entries 52027
Mean 1.023
Std Dev 0.01605
[-0.40,-0.20)
Entries 48484
Mean 1.023
Std Dev 0.01604
[-0.20,0.00)
Entries 46746
Mean 1.023
Std Dev 0.01599
[0.00,0.20)
Entries 48375
Mean 1.024
Std Dev 0.01606
[0.20,0.40)
Entries 48471
Mean 1.024
Std Dev 0.01597
[0.40,0.60)
Entries 32002
Mean 1.023
Std Dev 0.01603
[0.60,0.80)
Entries 4177
Mean 1.022
Std Dev 0.01619
[0.80,1.00)

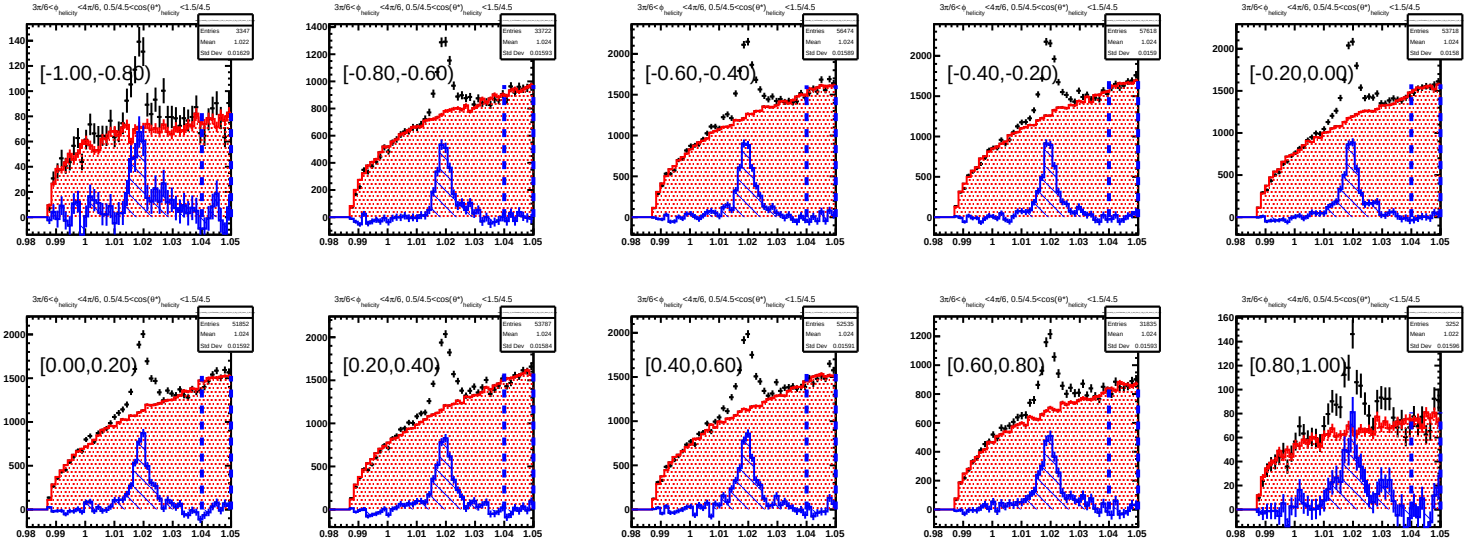

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

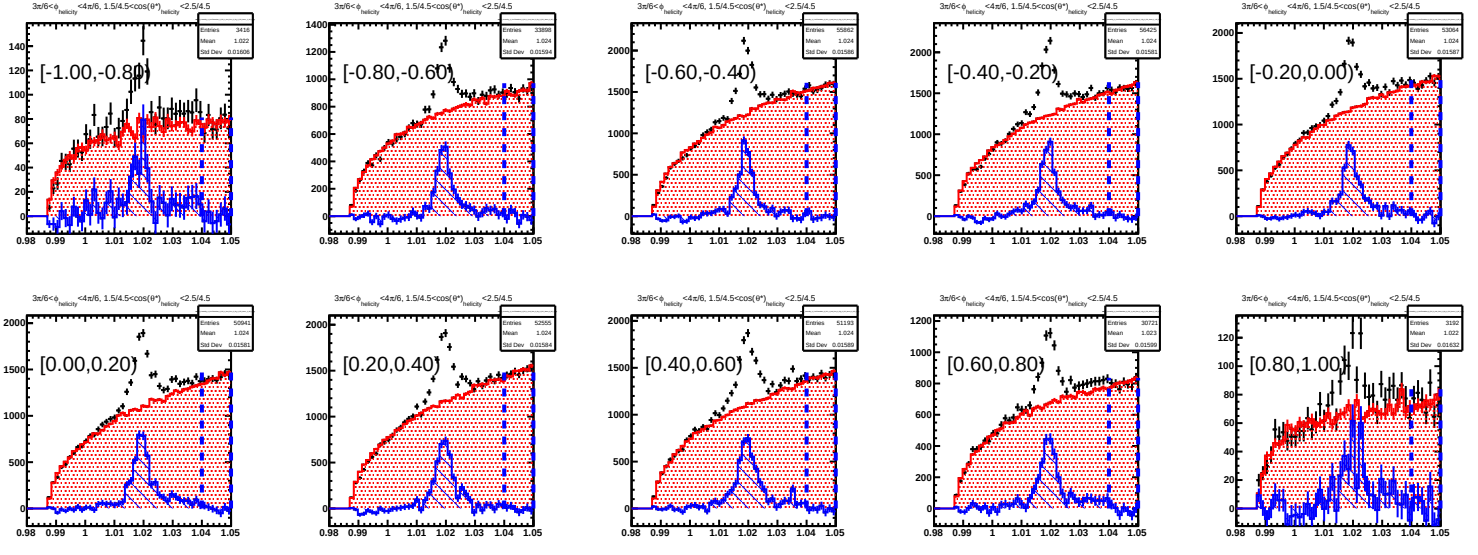

3π/6<φ_helicity<4π/6, -3.5/4.5<cos(θ*)_helicity<-2.5/4.5
Entries 3338
Mean 1.022
Std Dev 0.0162
[-1.00,-0.80)
Entries 32795
Mean 1.023
Std Dev 0.01603
[-0.80,-0.60)
Entries 55293
Mean 1.024
Std Dev 0.01591
[-0.60,-0.40)
Entries 56693
Mean 1.024
Std Dev 0.01584
[-0.40,-0.20)
Entries 52655
Mean 1.024
Std Dev 0.01589
[-0.20,0.00)
Entries 50319
Mean 1.024
Std Dev 0.01591
[0.00,0.20)
Entries 52724
Mean 1.024
Std Dev 0.01591
[0.20,0.40)
Entries 53202
Mean 1.024
Std Dev 0.01589
[0.40,0.60)
Entries 34221
Mean 1.024
Std Dev 0.01601
[0.60,0.80)
Entries 3863
Mean 1.022
Std Dev 0.0163
[0.80,1.00)

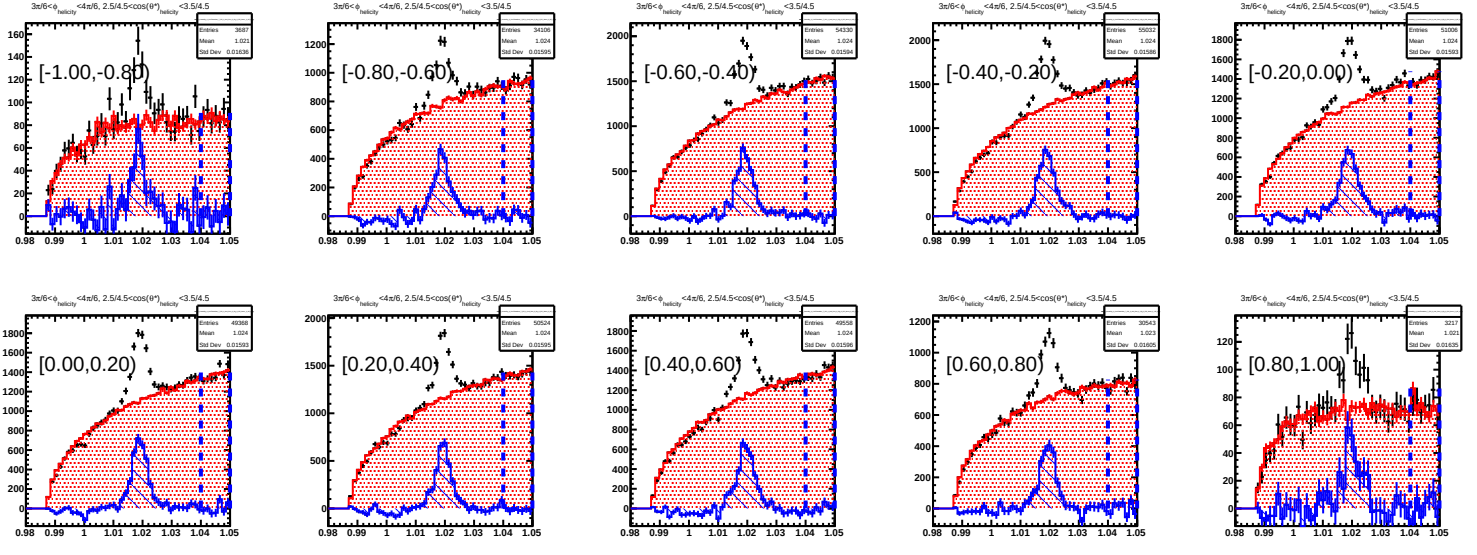

3π/6<φ_helicity<4π/6, -2.5/4.5<cos(θ*)_helicity<-1.5/4.5
[-1.00,-0.80)
Entries 3281
Mean 1.022
Std Dev 0.01575
[-0.80,-0.60)
Entries 32624
Mean 1.023
Std Dev 0.01579
[-0.60,-0.40)
Entries 55872
Mean 1.024
Std Dev 0.01579
[-0.40,-0.20)
Entries 57682
Mean 1.024
Std Dev 0.01578
[-0.20,0.00)
Entries 53816
Mean 1.024
Std Dev 0.01579
[0.00,0.20)
Entries 52250
Mean 1.024
Std Dev 0.01584
[0.20,0.40)
Entries 53641
Mean 1.024
Std Dev 0.0158
[0.40,0.60)
Entries 54029
Mean 1.024
Std Dev 0.01584
[0.60,0.80)
Entries 34363
Mean 1.024
Std Dev 0.01589
[0.80,1.00)
Entries 3715
Mean 1.022
Std Dev 0.01597

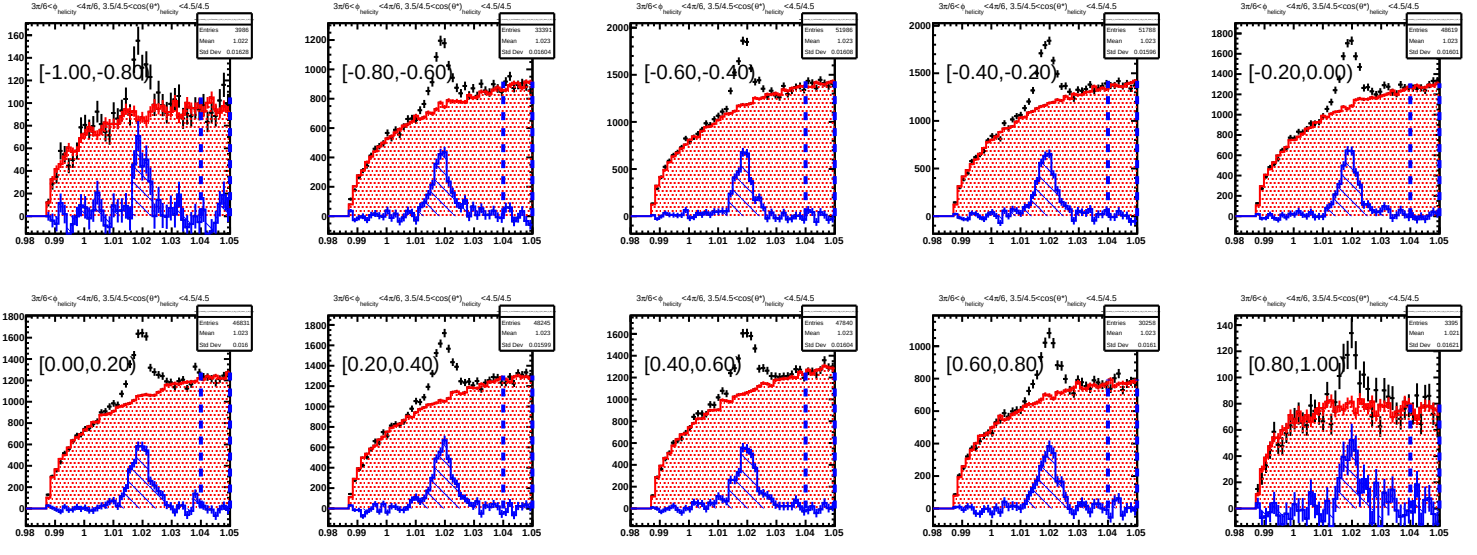

3π/6<φ_helicity<4π/6, -1.5/4.5<cos(θ*)_helicity<-0.5/4.5
Entries 3271
Mean 1.021
Std Dev 0.01598
[-1.00,-0.80)
Entries 33302
Mean 1.023
Std Dev 0.01602
[-0.80,-0.60)
Entries 56414
Mean 1.024
Std Dev 0.01581
[-0.60,-0.40)
Entries 58062
Mean 1.024
Std Dev 0.01583
[-0.40,-0.20)
Entries 54011
Mean 1.024
Std Dev 0.01589
[-0.20,0.00)
Entries 52753
Mean 1.024
Std Dev 0.01581
[0.00,0.20)
Entries 54597
Mean 1.024
Std Dev 0.01585
[0.20,0.40)
Entries 54417
Mean 1.025
Std Dev 0.01579
[0.40,0.60)
Entries 33863
Mean 1.024
Std Dev 0.01586
[0.60,0.80)
Entries 3482
Mean 1.022
Std Dev 0.01607
[0.80,1.00)

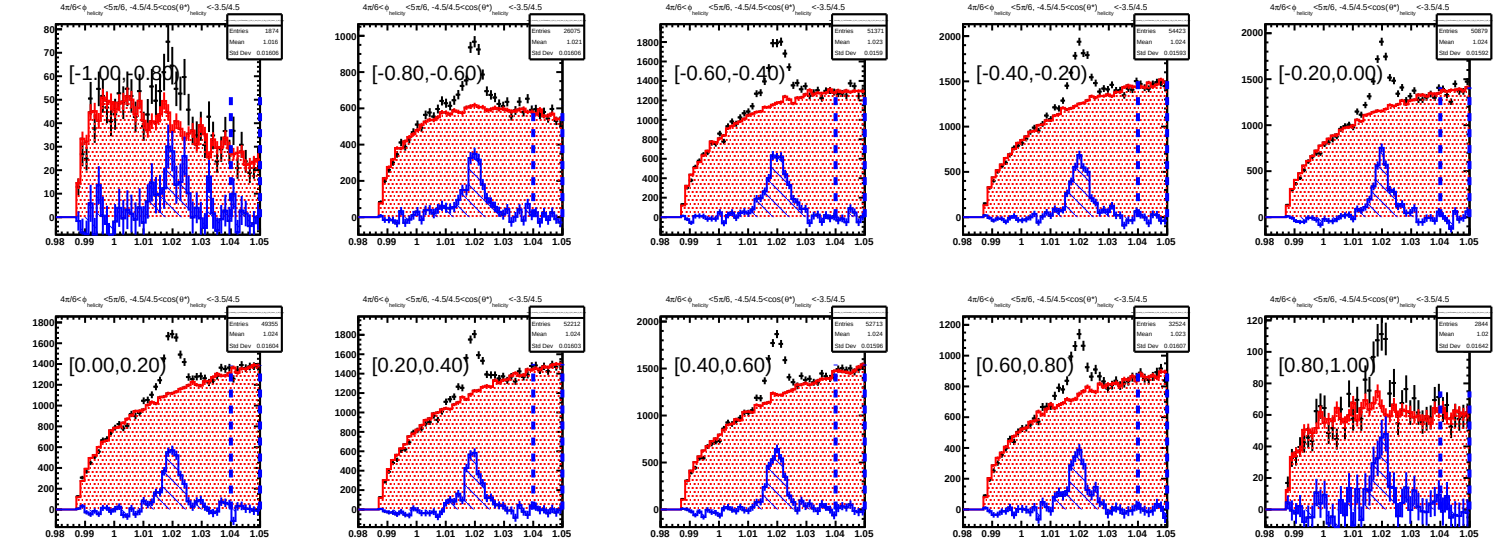

3π/6<φ_helicity<4π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 3374
Mean 1.022
Std Dev 0.01618
[-0.80,-0.60)
Entries 33842
Mean 1.024
Std Dev 0.01602
[-0.60,-0.40)
Entries 57099
Mean 1.024
Std Dev 0.01587
[-0.40,-0.20)
Entries 57057
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 54436
Mean 1.024
Std Dev 0.01587
[0.00,0.20)
Entries 52862
Mean 1.024
Std Dev 0.01585
[0.20,0.40)
Entries 54347
Mean 1.024
Std Dev 0.01589
[0.40,0.60)
Entries 54089
Mean 1.024
Std Dev 0.01588
[0.60,0.80)
Entries 33343
Mean 1.024
Std Dev 0.01606
[0.80,1.00)
Entries 3317
Mean 1.022
Std Dev 0.01651

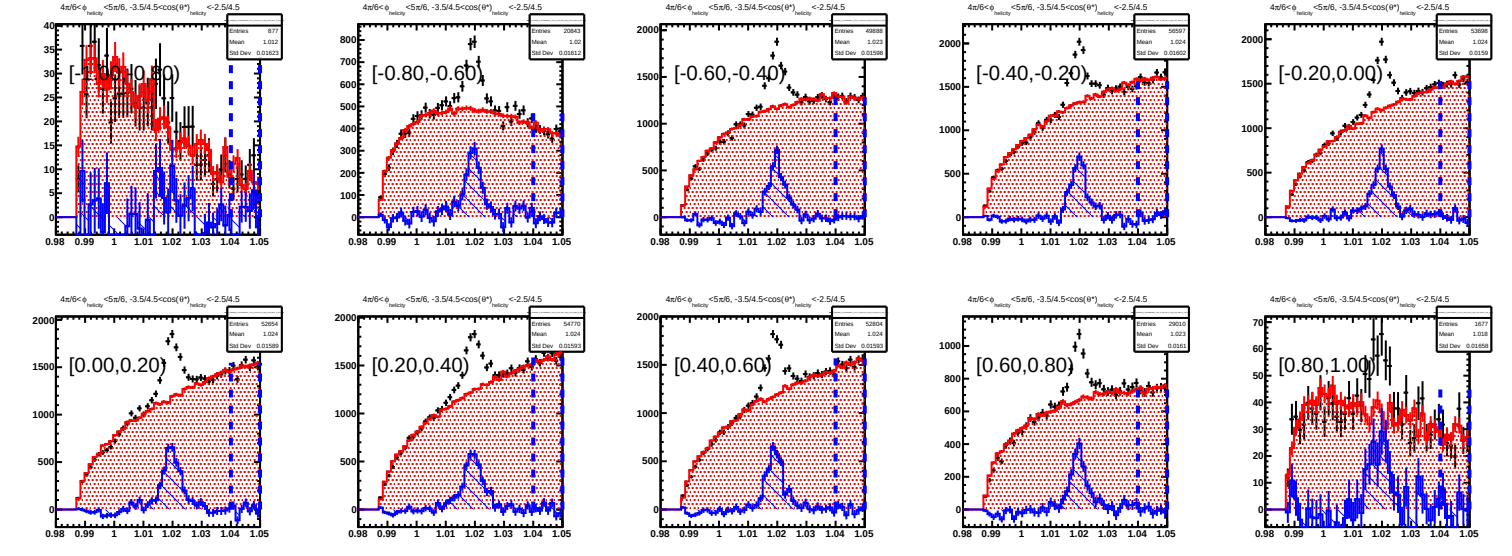

3π/6<φ_helicity<4π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
[-1.00,-0.80)
Entries 3347
Mean 1.022
Std Dev 0.01629
[-0.80,-0.60)
Entries 33722
Mean 1.024
Std Dev 0.01593
[-0.60,-0.40)
Entries 56474
Mean 1.024
Std Dev 0.01589
[-0.40,-0.20)
Entries 57618
Mean 1.024
Std Dev 0.0159
[-0.20,0.00)
Entries 53716
Mean 1.024
Std Dev 0.0159
[0.00,0.20)
Entries 51852
Mean 1.024
Std Dev 0.01592
[0.20,0.40)
Entries 53787
Mean 1.024
Std Dev 0.01594
[0.40,0.60)
Entries 52535
Mean 1.024
Std Dev 0.01591
[0.60,0.80)
Entries 31825
Mean 1.024
Std Dev 0.01593
[0.80,1.00)
Entries 3252
Mean 1.022
Std Dev 0.01509

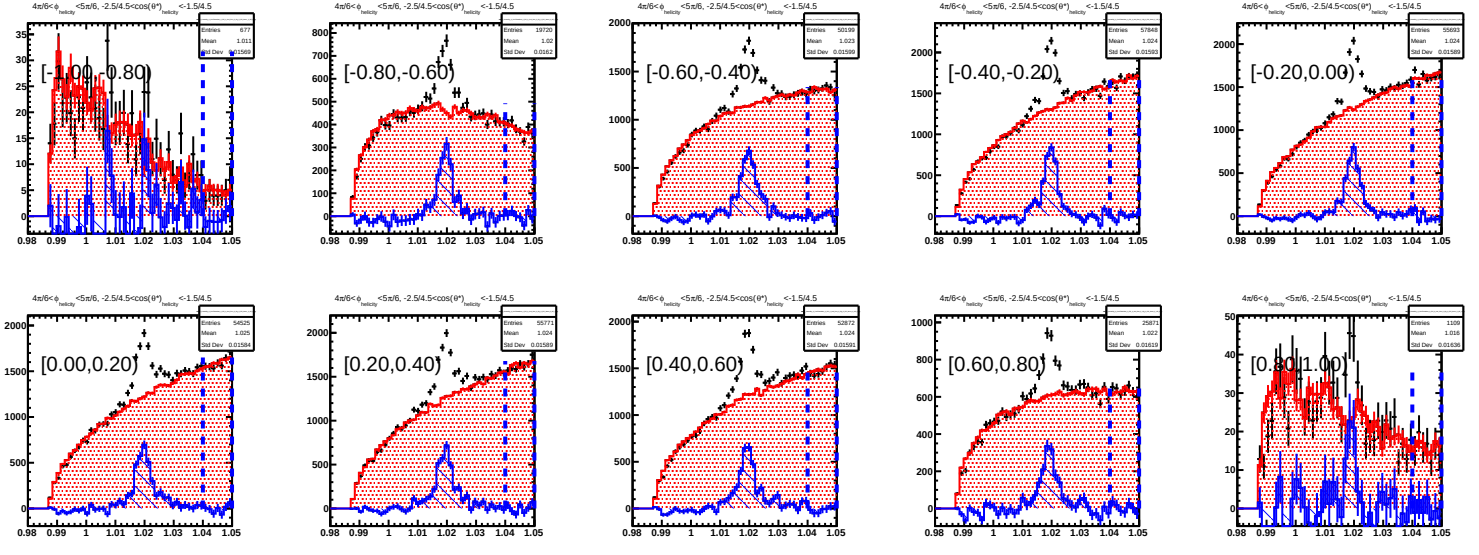

3π/6<φ_helicity<4π/6, 1.5/4.5<cos(θ*)_helicity<2.5/4.5
[-1.00,-0.80)
Entries 3416
Mean 1.022
Std Dev 0.01606
[-0.80,-0.60)
Entries 33898
Mean 1.024
Std Dev 0.01594
[-0.60,-0.40)
Entries 55862
Mean 1.024
Std Dev 0.01586
[-0.40,-0.20)
Entries 56425
Mean 1.024
Std Dev 0.01581
[-0.20,0.00)
Entries 53084
Mean 1.024
Std Dev 0.01587
[0.00,0.20)
Entries 50941
Mean 1.024
Std Dev 0.01581
[0.20,0.40)
Entries 52555
Mean 1.024
Std Dev 0.01594
[0.40,0.60)
Entries 51193
Mean 1.024
Std Dev 0.01589
[0.60,0.80)
Entries 30721
Mean 1.023
Std Dev 0.01599
[0.80,1.00)
Entries 3192
Mean 1.022
Std Dev 0.01632

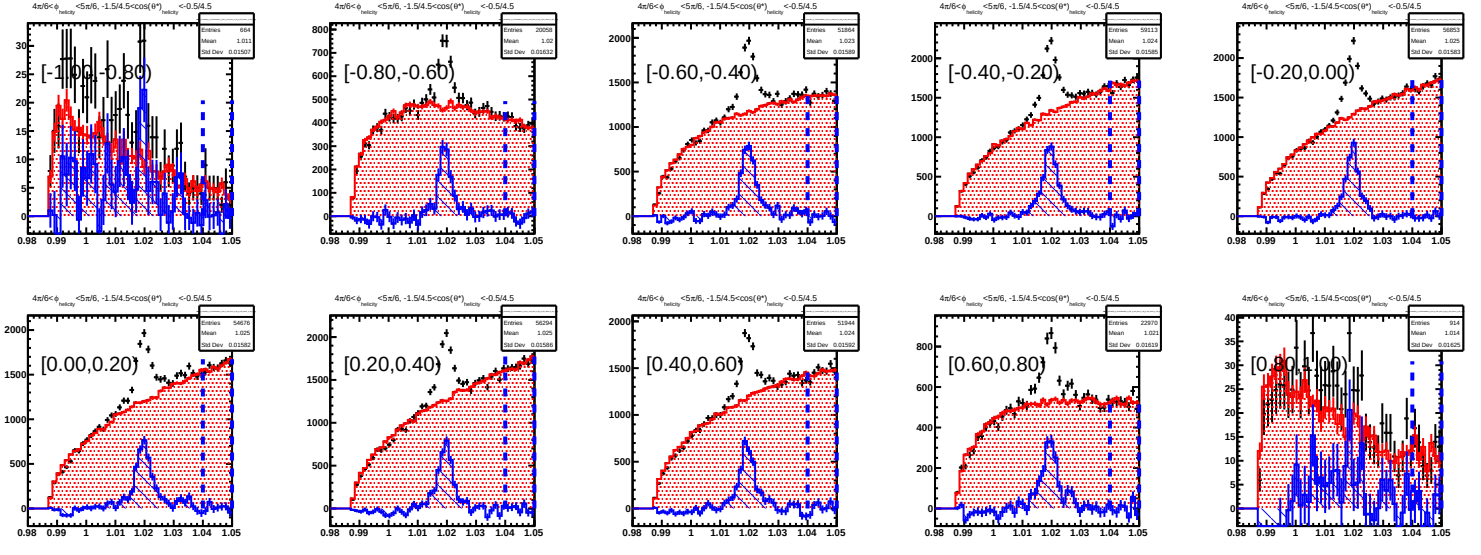

3π/6<φ_helicity<4π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
[-1.00,-0.80)
Entries 3687
Mean 1.021
Std Dev 0.01636
[-0.80,-0.60)
Entries 34106
Mean 1.024
Std Dev 0.01595
[-0.60,-0.40)
Entries 54130
Mean 1.024
Std Dev 0.01594
[-0.40,-0.20)
Entries 55032
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 51006
Mean 1.024
Std Dev 0.01593
[0.00,0.20)
Entries 49368
Mean 1.024
Std Dev 0.01593
[0.20,0.40)
Entries 50524
Mean 1.024
Std Dev 0.01595
[0.40,0.60)
Entries 49558
Mean 1.024
Std Dev 0.01598
[0.60,0.80)
Entries 30543
Mean 1.023
Std Dev 0.01605
[0.80,1.00)
Entries 3217
Mean 1.021
Std Dev 0.01635

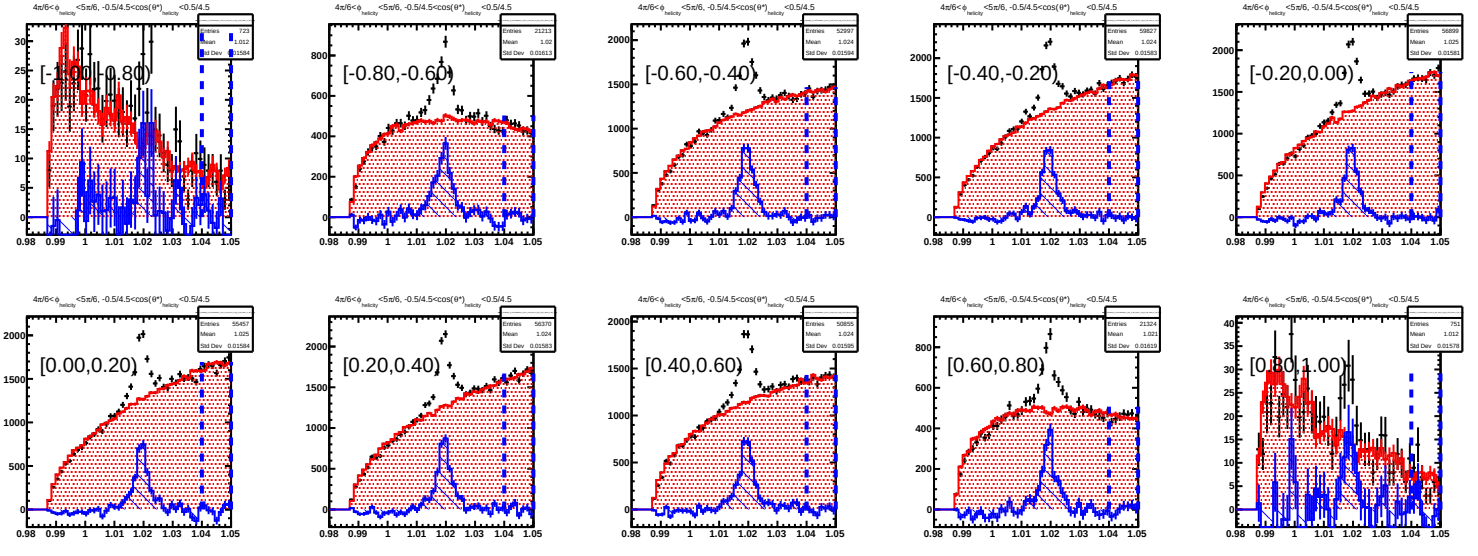

3π/6<φ_helicity<4π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
[-1.00,-0.80)
Entries 3985
Mean 1.022
Std Dev 0.01628
[-0.80,-0.60)
Entries 33391
Mean 1.023
Std Dev 0.01604
[-0.60,-0.40)
Entries 51986
Mean 1.023
Std Dev 0.01608
[-0.40,-0.20)
Entries 51768
Mean 1.023
Std Dev 0.01598
[-0.20,0.00)
Entries 48618
Mean 1.023
Std Dev 0.01601
[0.00,0.20)
Entries 46831
Mean 1.023
Std Dev 0.016
[0.20,0.40)
Entries 48246
Mean 1.023
Std Dev 0.01599
[0.40,0.60)
Entries 47840
Mean 1.023
Std Dev 0.01604
[0.60,0.80)
Entries 30258
Mean 1.023
Std Dev 0.0161
[0.80,1.00)
Entries 3395
Mean 1.021
Std Dev 0.01621

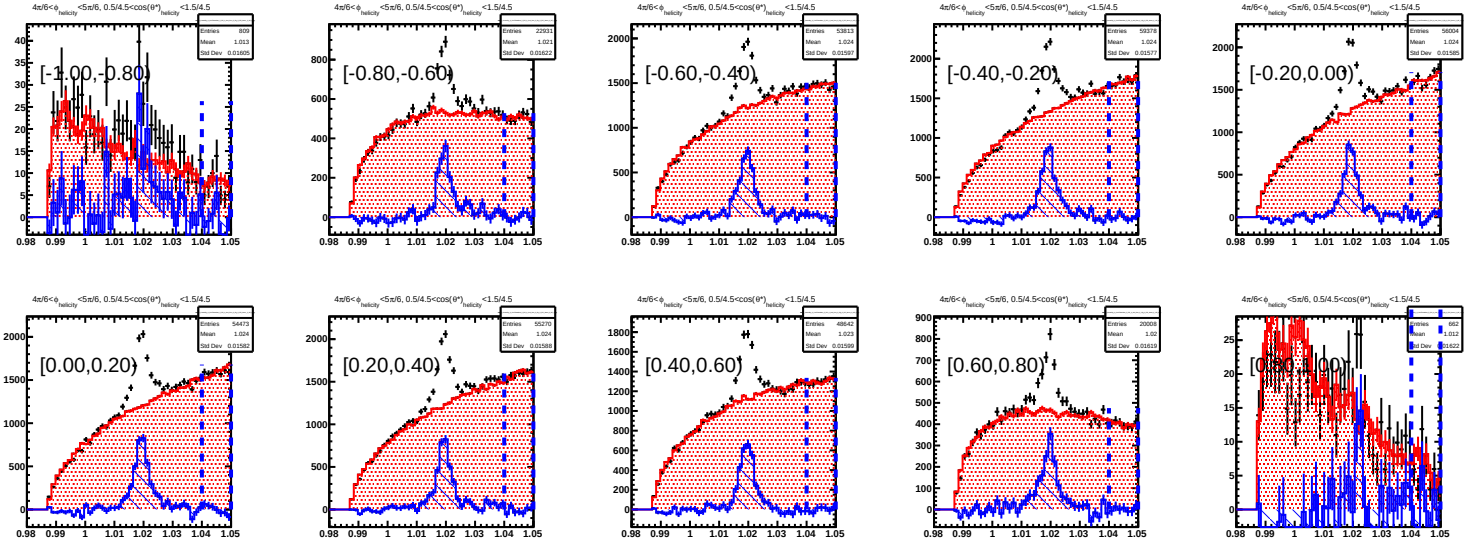

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

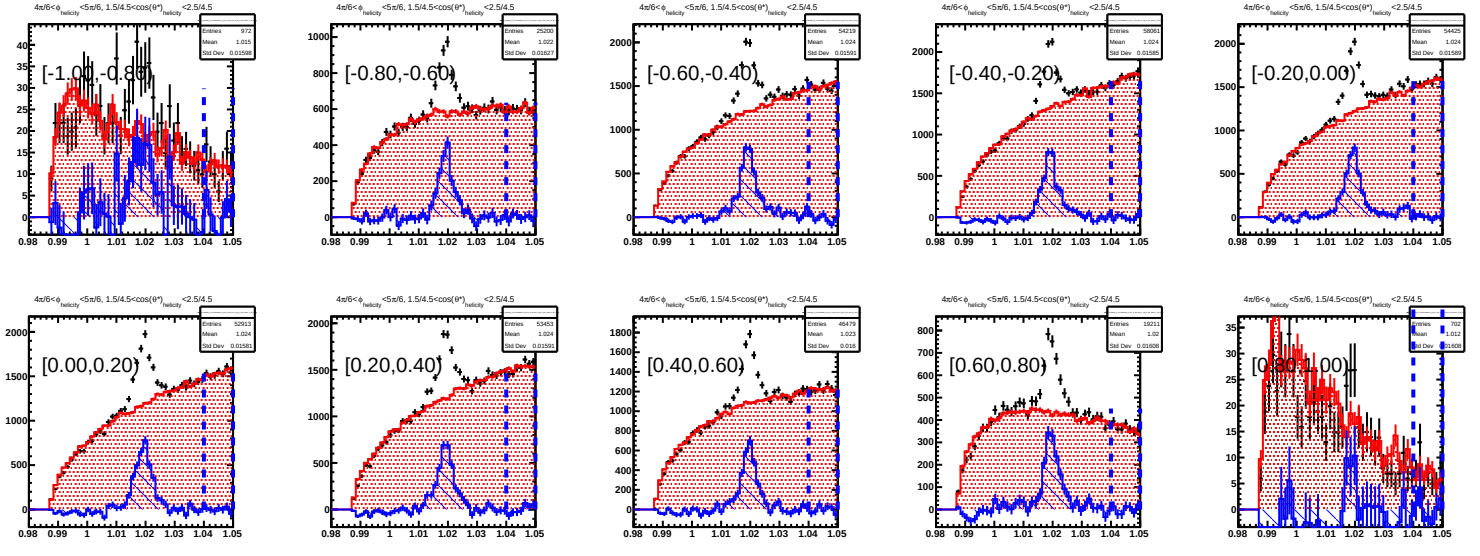

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

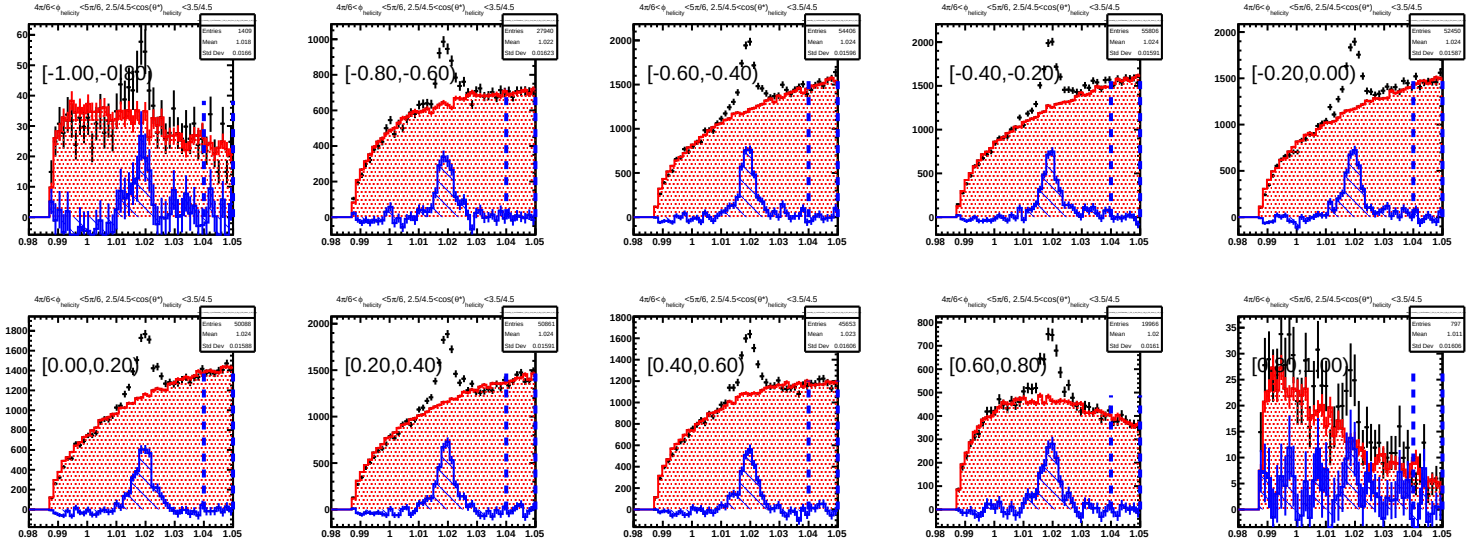

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

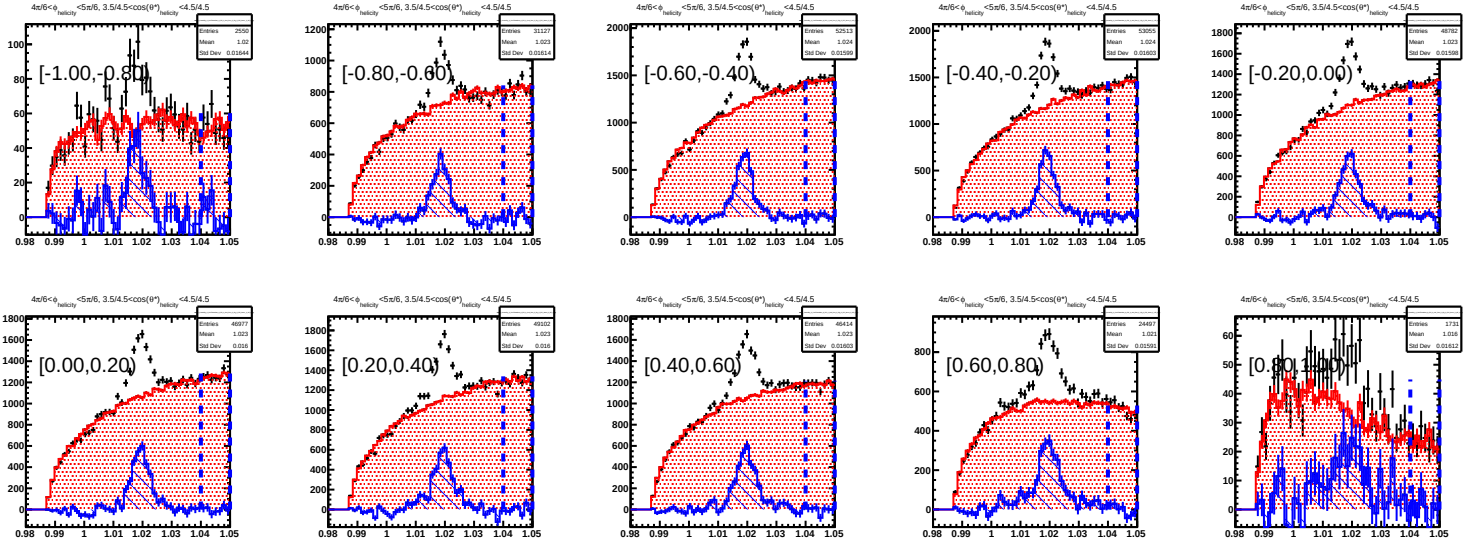

4π/6<φ_helicity<5π/6, -1.5/4.5<cos(θ*)_helicity<-0.5/4.5
Entries 664
Mean 1.011
Std Dev 0.01507
[-1.00,-0.80)
Entries 20058
Mean 1.02
Std Dev 0.01632
[-0.80,-0.60)
Entries 51864
Mean 1.023
Std Dev 0.01589
[-0.60,-0.40)
Entries 59113
Mean 1.024
Std Dev 0.01585
[-0.40,-0.20)
Entries 56852
Mean 1.025
Std Dev 0.01583
[-0.20,0.00)
Entries 54676
Mean 1.025
Std Dev 0.01582
[0.00,0.20)
Entries 56294
Mean 1.025
Std Dev 0.01586
[0.20,0.40)
Entries 51944
Mean 1.024
Std Dev 0.01592
[0.40,0.60)
Entries 22973
Mean 1.021
Std Dev 0.01610
[0.60,0.80)
Entries 914
Mean 1.014
Std Dev 0.01625
[0.80,1.00)

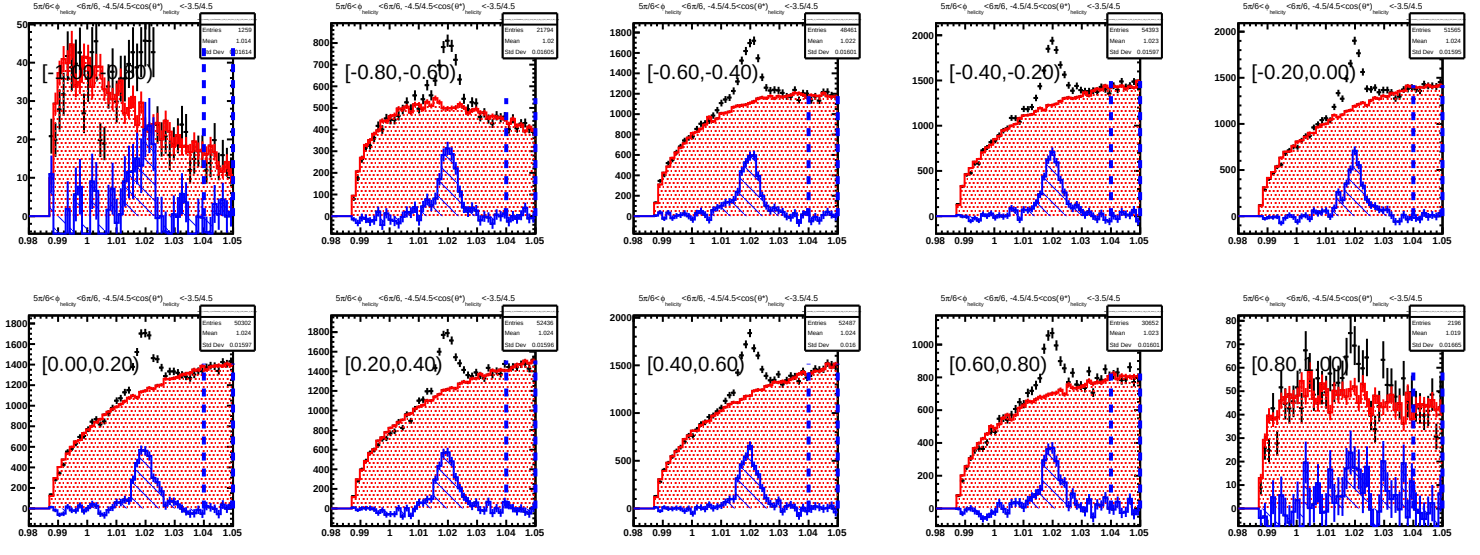

4π/6<φ_helicity<5π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 723
Mean 1.012
Std Dev 0.01584
[-0.80,-0.60)
Entries 21313
Mean 1.02
Std Dev 0.01613
[-0.60,-0.40)
Entries 52997
Mean 1.024
Std Dev 0.01594
[-0.40,-0.20)
Entries 59627
Mean 1.024
Std Dev 0.01583
[-0.20,0.00)
Entries 56898
Mean 1.025
Std Dev 0.01581
[0.00,0.20)
Entries 55457
Mean 1.025
Std Dev 0.01584
[0.20,0.40)
Entries 56370
Mean 1.024
Std Dev 0.01583
[0.40,0.60)
Entries 50855
Mean 1.024
Std Dev 0.01595
[0.60,0.80)
Entries 21324
Mean 1.031
Std Dev 0.01610
[0.80,1.00)
Entries 751
Mean 1.012
Std Dev 0.01578

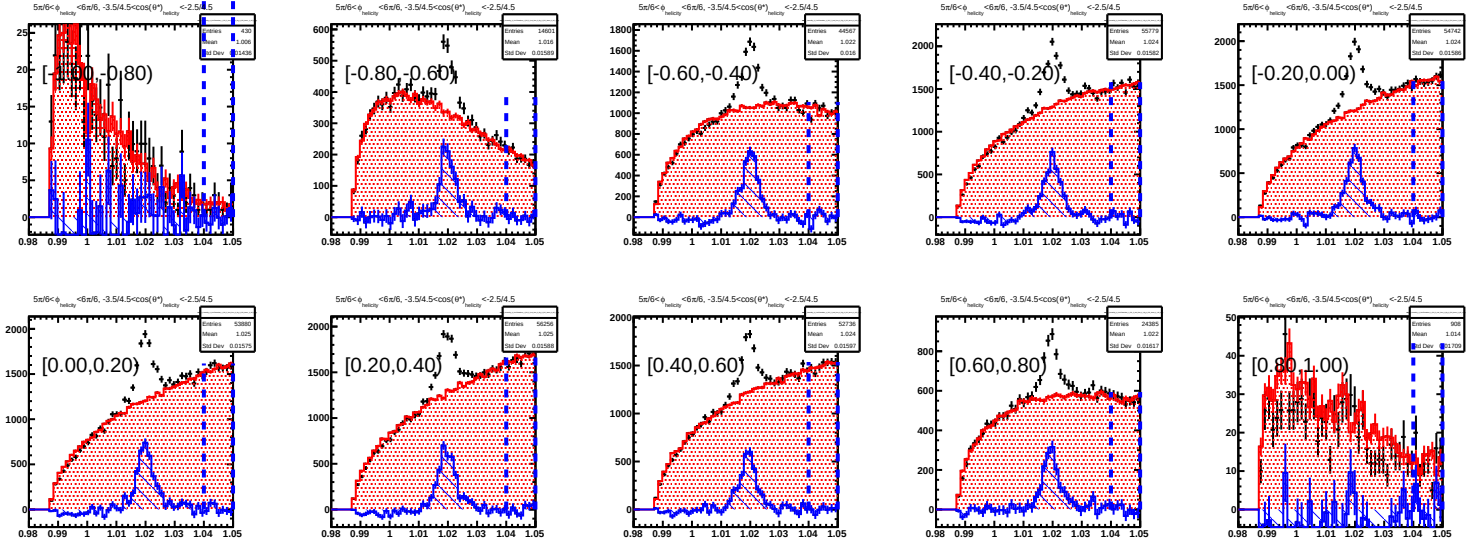

4π/6<φ_helicity<5π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
[-1.00,-0.80)
Entries 809
Mean 1.013
Std Dev 0.01605
[-0.80,-0.60)
Entries 22931
Mean 1.021
Std Dev 0.01622
[-0.60,-0.40)
Entries 53813
Mean 1.024
Std Dev 0.01597
[-0.40,-0.20)
Entries 59378
Mean 1.024
Std Dev 0.01577
[-0.20,0.00)
Entries 56004
Mean 1.024
Std Dev 0.01585
[0.00,0.20)
Entries 54473
Mean 1.024
Std Dev 0.01582
[0.20,0.40)
Entries 55276
Mean 1.024
Std Dev 0.01588
[0.40,0.60)
Entries 48642
Mean 1.023
Std Dev 0.01599
[0.60,0.80)
Entries 20068
Mean 1.02
Std Dev 0.01610
[0.80,1.00)
Entries 662
Mean 1.012
Std Dev 0.01622

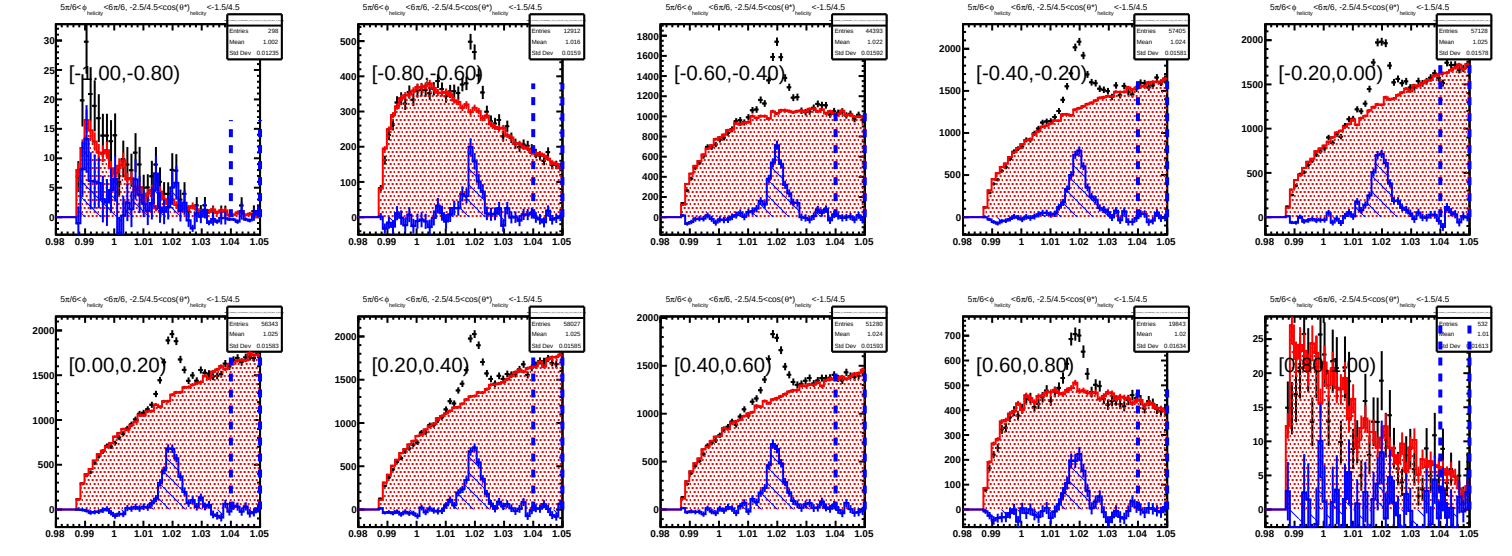

4π/6<φ_helicity<5π/6, 1.5/4.5<cos(θ*)_helicity<2.5/4.5
[-1.00,-0.80)
Entries 972
Mean 1.015
Std Dev 0.01598
[-0.80,-0.60)
Entries 25200
Mean 1.022
Std Dev 0.01627
[-0.60,-0.40)
Entries 54219
Mean 1.024
Std Dev 0.01591
[-0.40,-0.20)
Entries 58061
Mean 1.024
Std Dev 0.01585
[-0.20,0.00)
Entries 54425
Mean 1.024
Std Dev 0.01589
[0.00,0.20)
Entries 52913
Mean 1.024
Std Dev 0.01581
[0.20,0.40)
Entries 53453
Mean 1.024
Std Dev 0.01591
[0.40,0.60)
Entries 46479
Mean 1.023
Std Dev 0.016
[0.60,0.80)
Entries 19211
Mean 1.02
Std Dev 0.01608
[0.80,1.00)
Entries 702
Mean 1.012
Std Dev 0.01608

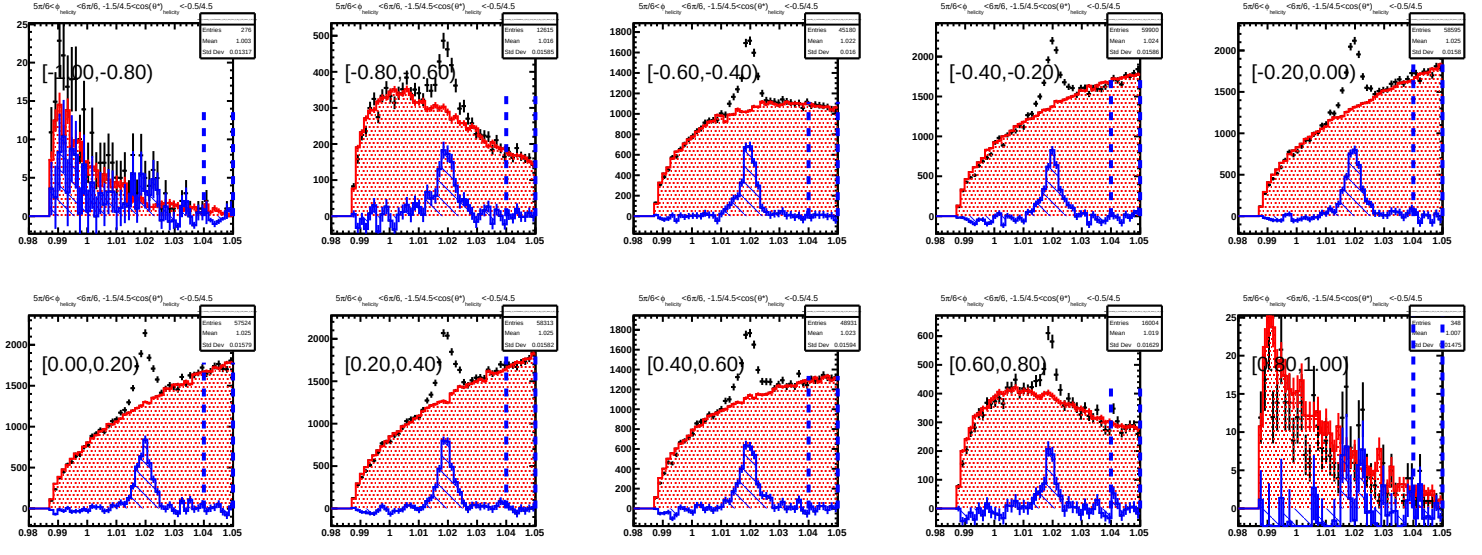

4π/6<φ_helicity<5π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
[-1.00,-0.80)
Entries 1409
Mean 1.018
Std Dev 0.0166
[-0.80,-0.60)
Entries 27940
Mean 1.022
Std Dev 0.01623
[-0.60,-0.40)
Entries 54408
Mean 1.024
Std Dev 0.01596
[-0.40,-0.20)
Entries 55805
Mean 1.024
Std Dev 0.01591
[-0.20,0.00)
Entries 52450
Mean 1.024
Std Dev 0.01587
[0.00,0.20)
Entries 50089
Mean 1.024
Std Dev 0.01588
[0.20,0.40)
Entries 50861
Mean 1.024
Std Dev 0.01591
[0.40,0.60)
Entries 45653
Mean 1.023
Std Dev 0.01606
[0.60,0.80)
Entries 19968
Mean 1.02
Std Dev 0.0161
[0.80,1.00)
Entries 797
Mean 1.011
Std Dev 0.01606

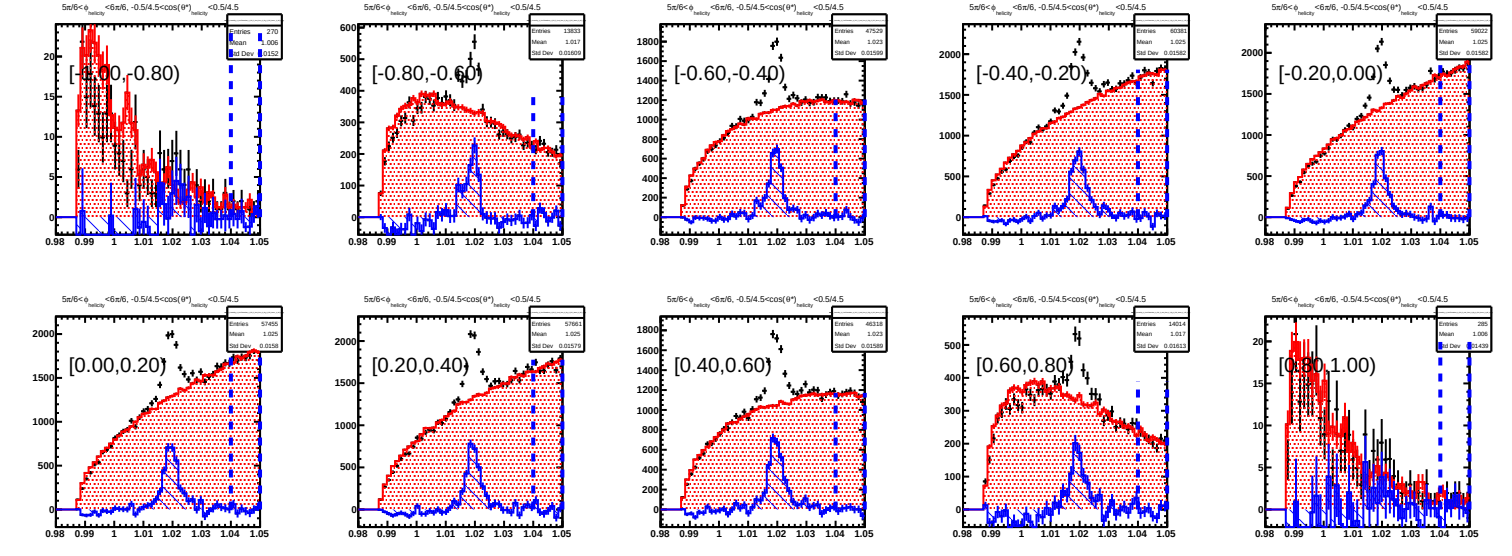

4π/6<φ_helicity<5π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
[-1.00,-0.80)
Entries 2550
Mean 1.02
Std Dev 0.01644
[-0.80,-0.60)
Entries 31127
Mean 1.023
Std Dev 0.01614
[-0.60,-0.40)
Entries 52513
Mean 1.024
Std Dev 0.01599
[-0.40,-0.20)
Entries 53053
Mean 1.024
Std Dev 0.01603
[-0.20,0.00)
Entries 48792
Mean 1.023
Std Dev 0.01598
[0.00,0.20)
Entries 46977
Mean 1.023
Std Dev 0.016
[0.20,0.40)
Entries 49102
Mean 1.023
Std Dev 0.016
[0.40,0.60)
Entries 46414
Mean 1.023
Std Dev 0.01603
[0.60,0.80)
Entries 24467
Mean 1.021
Std Dev 0.01591
[0.80,1.00)
Entries 1731
Mean 1.018
Std Dev 0.01612

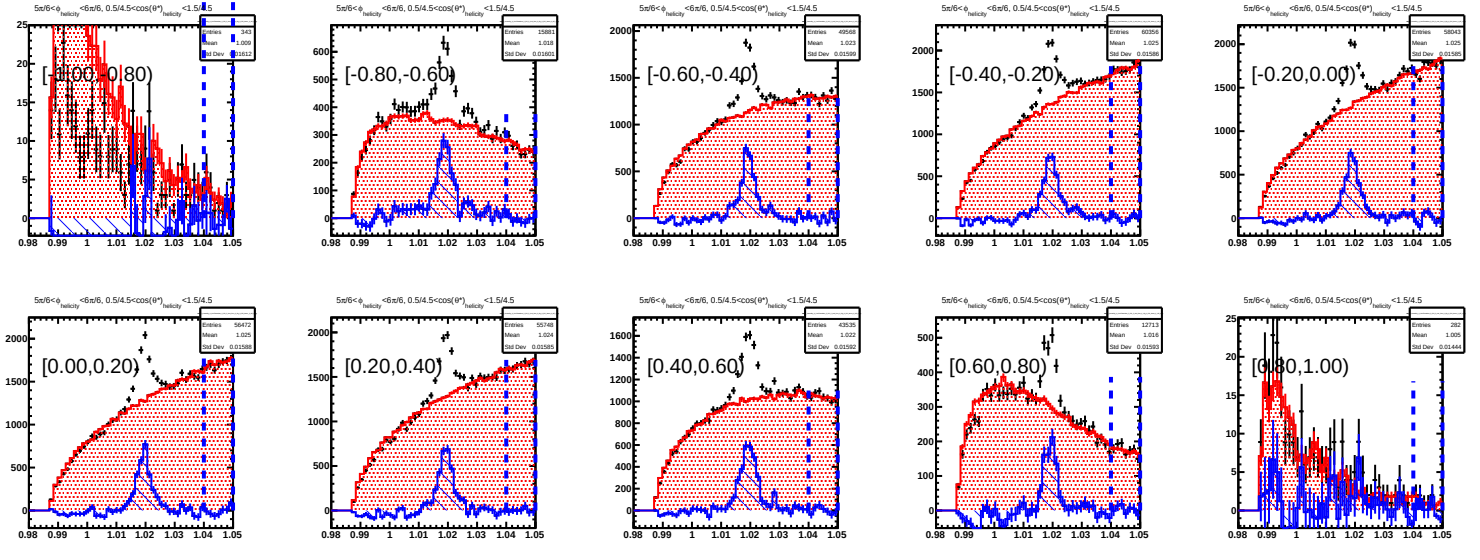

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00]

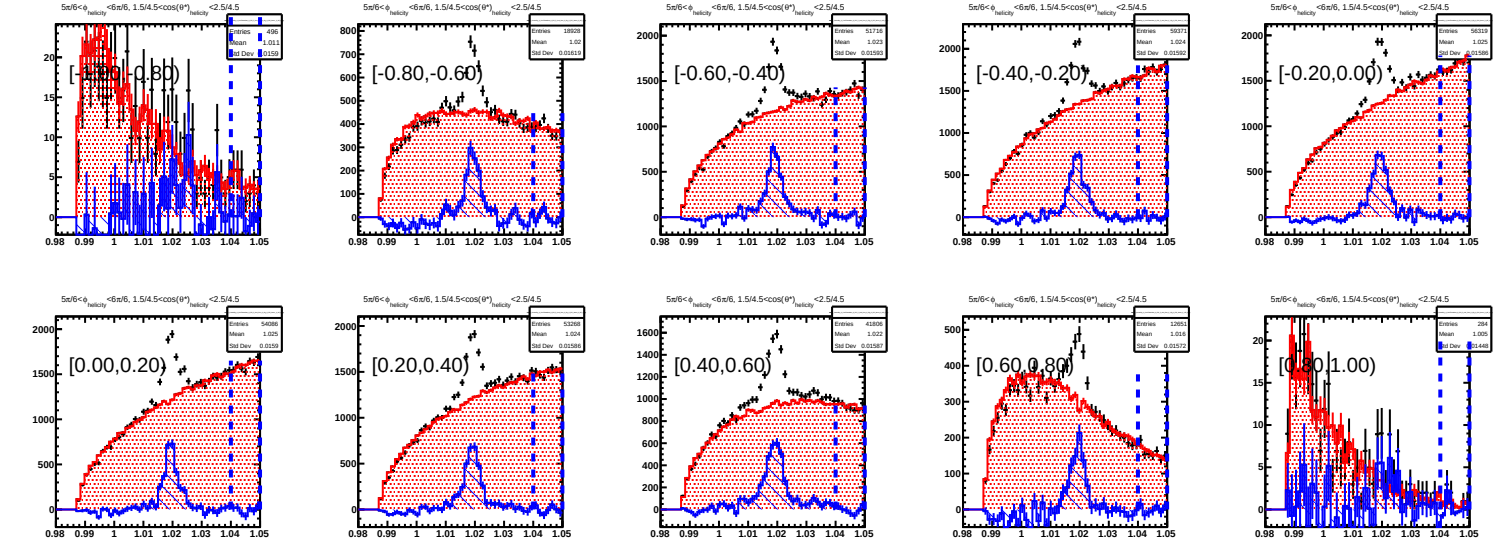

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

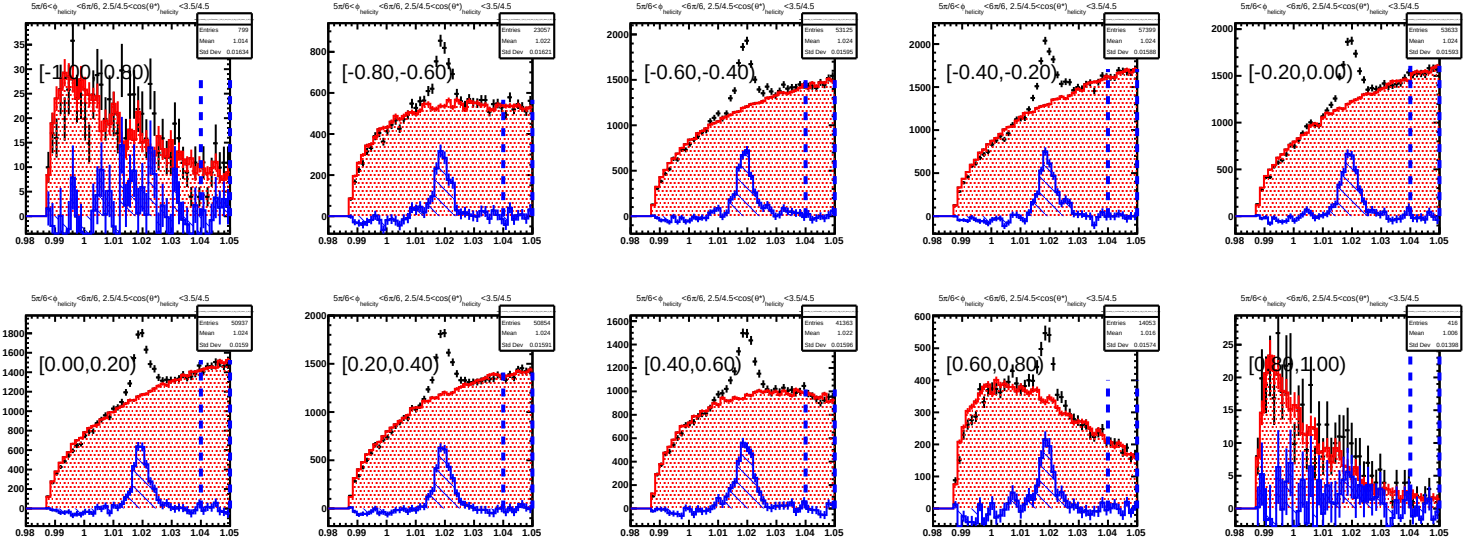

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

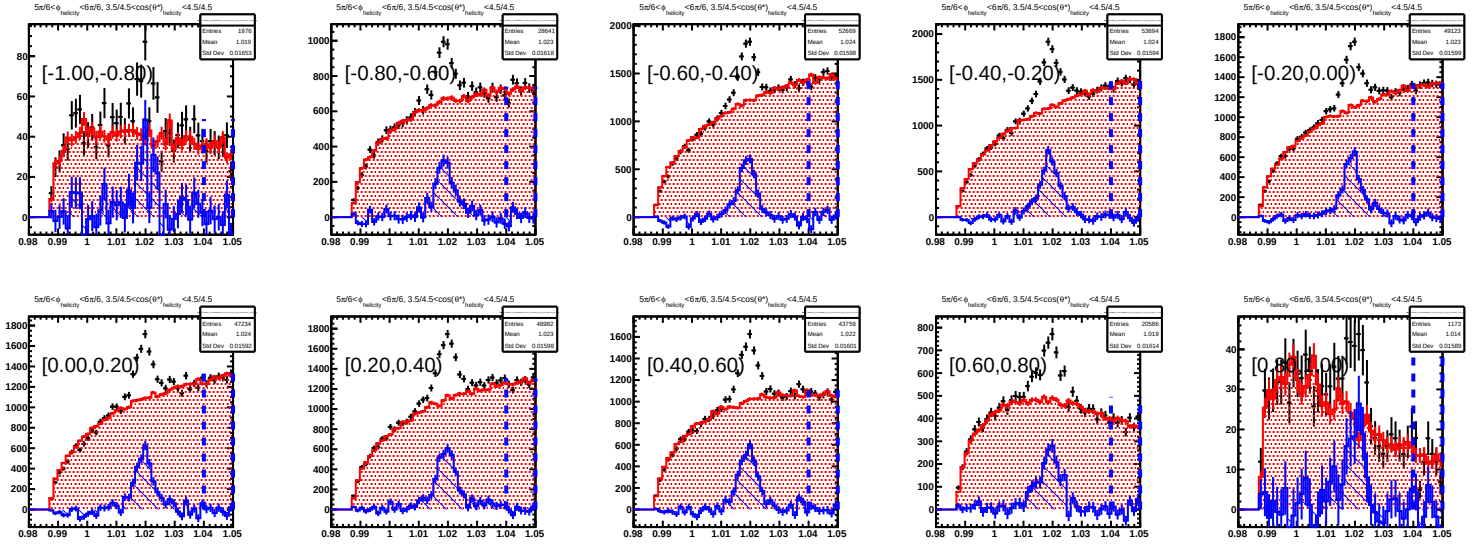

5π/6<φ_helicity<6π/6, -1.5/4.5<cos(θ*)_helicity<-0.5/4.5
[-1.00,-0.80)
Entries 276
Mean 1.003
Std Dev 0.01317
[-0.80,-0.60)
Entries 12615
Mean 1.016
Std Dev 0.01585
[-0.60,-0.40)
Entries 45180
Mean 1.022
Std Dev 0.016
[-0.40,-0.20)
Entries 59903
Mean 1.024
Std Dev 0.01586
[-0.20,0.00)
Entries 58595
Mean 1.025
Std Dev 0.0158
[0.00,0.20)
Entries 57524
Mean 1.025
Std Dev 0.01579
[0.20,0.40)
Entries 58313
Mean 1.023
Std Dev 0.01582
[0.40,0.60)
Entries 48931
Mean 1.023
Std Dev 0.01594
[0.60,0.80)
Entries 16004
Mean 1.019
Std Dev 0.01620
[0.80,1.00)
Entries 348
Mean 1.007
Std Dev 0.01475

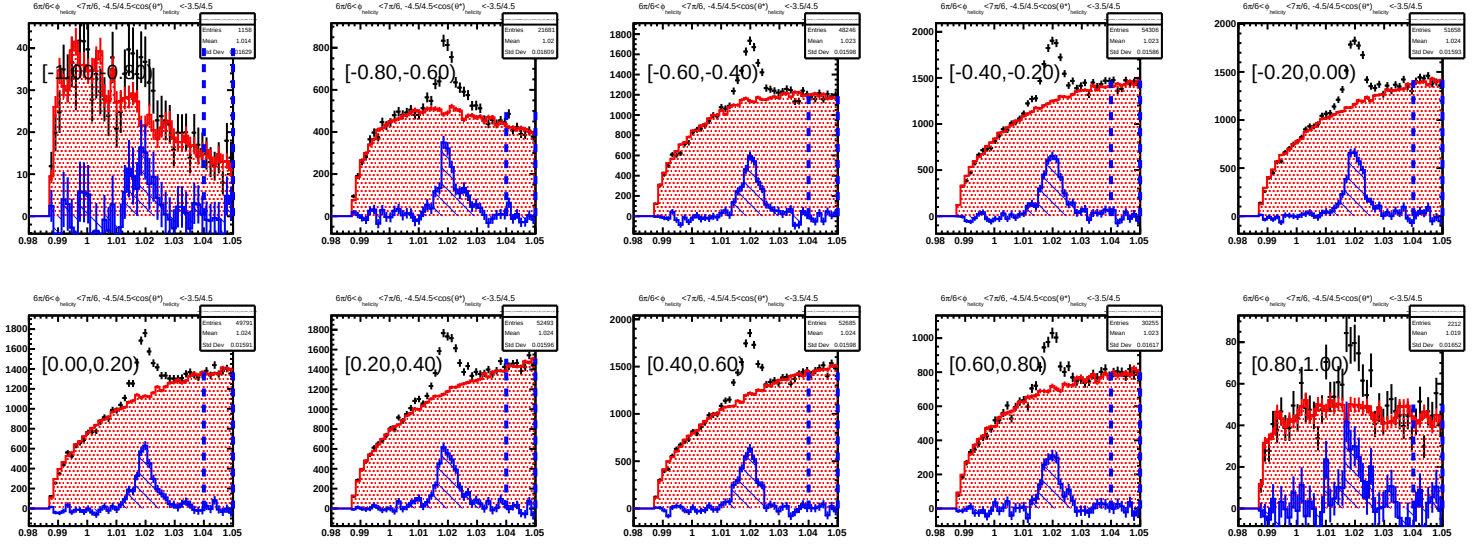

5π/6<φ_helicity<6π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 270
Mean .006
Std Dev .0152
[-0.80,-0.60)
Entries 13833
Mean 1.017
Std Dev 0.01609
[-0.60,-0.40)
Entries 47529
Mean 1.023
Std Dev 0.01599
[-0.40,-0.20)
Entries 60381
Mean 1.025
Std Dev 0.01582
[-0.20,0.00)
Entries 59022
Mean 1.025
Std Dev 0.01582
[0.00,0.20)
Entries 57455
Mean 1.025
Std Dev 0.0158
[0.20,0.40)
Entries 57661
Mean 1.025
Std Dev 0.01579
[0.40,0.60)
Entries 46318
Mean 1.023
Std Dev 0.01589
[0.60,0.80)
Entries 14014
Mean 1.017
Std Dev 0.01613
[0.80,1.00)
Entries 285
Mean 1.006
Std Dev 0.0439

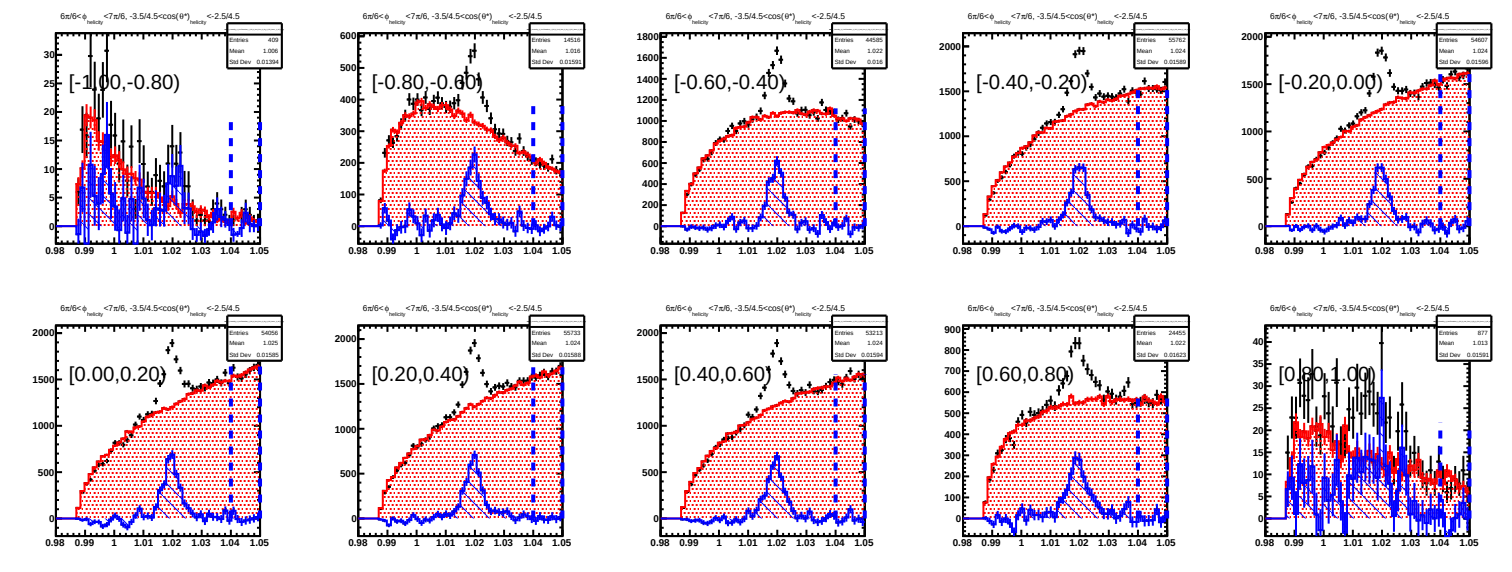

5π/6<φ_helicity<6π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
[-1.00,-0.80)
Entries 343
Mean 1.009
Std Dev 0.01612
[-0.80,-0.60)
Entries 15881
Mean 1.018
Std Dev 0.01691
[-0.60,-0.40)
Entries 49588
Mean 1.023
Std Dev 0.01596
[-0.40,-0.20)
Entries 60358
Mean 1.025
Std Dev 0.01588
[-0.20,0.00)
Entries 58043
Mean 1.025
Std Dev 0.01585
[0.00,0.20)
Entries 56472
Mean 1.025
Std Dev 0.01588
[0.20,0.40)
Entries 55748
Mean 1.024
Std Dev 0.01585
[0.40,0.60)
Entries 43535
Mean 1.022
Std Dev 0.01592
[0.60,0.80)
Entries 12713
Mean 1.016
Std Dev 0.01593
[0.80,1.00)
Entries 282
Mean 1.005
Std Dev 0.01444

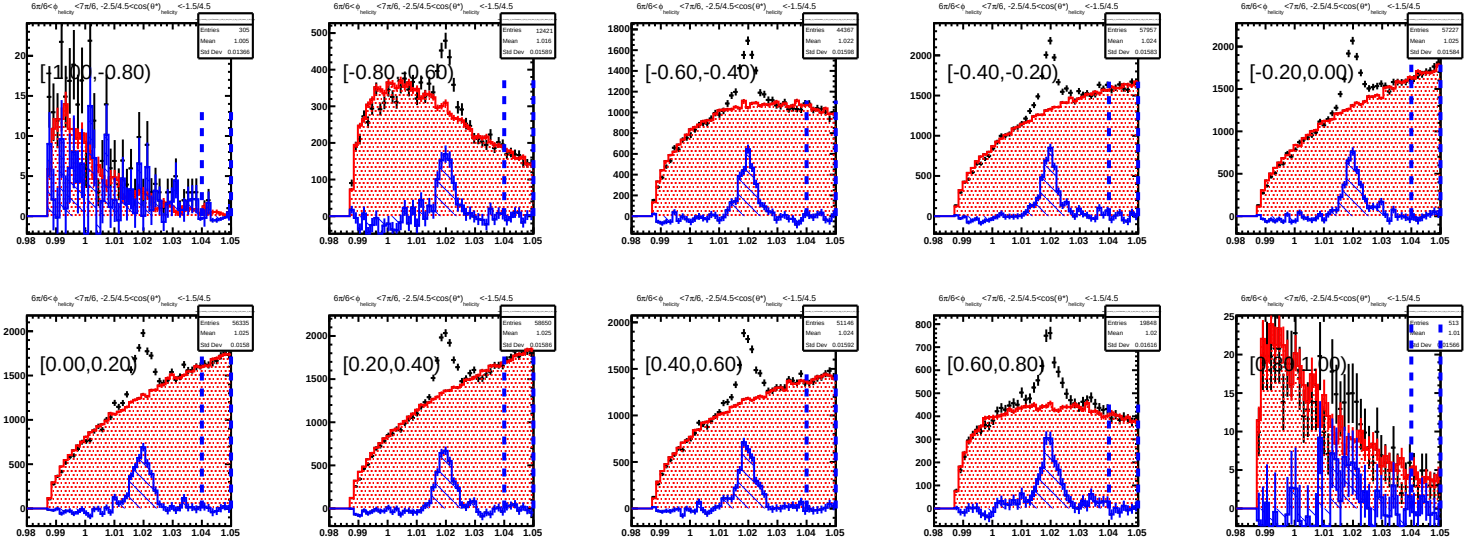

5π/6<φ_helicity<6π/6, 1.5/4.5<cos(θ*)_helicity<2.5/4.5
[-1.00,-0.80)
Entries 496
Mean 1.011
Std Dev 0.0159
[-0.80,-0.60)
Entries 18926
Mean 1.02
Std Dev 0.01619
[-0.60,-0.40)
Entries 51718
Mean 1.023
Std Dev 0.01593
[-0.40,-0.20)
Entries 59371
Mean 1.024
Std Dev 0.01592
[-0.20,0.00)
Entries 58319
Mean 1.025
Std Dev 0.01589
[0.00,0.20)
Entries 54089
Mean 1.025
Std Dev 0.0159
[0.20,0.40)
Entries 53268
Mean 1.024
Std Dev 0.01588
[0.40,0.60)
Entries 41806
Mean 1.022
Std Dev 0.01587
[0.60,0.80)
Entries 12851
Mean 1.016
Std Dev 0.01572
[0.80,1.00)
Entries 284
Mean 1.005
Std Dev 0.0149

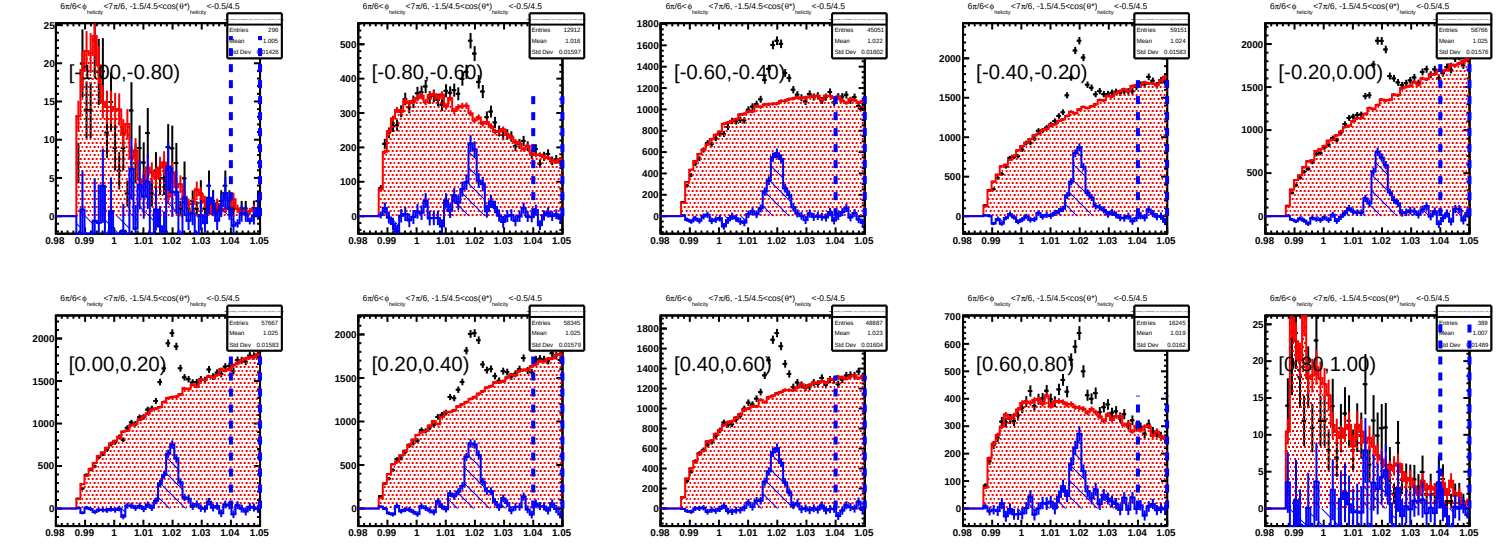

5π/6<φ_helicity<6π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
[-1.00,-0.80)
Entries 799
Mean 1.014
Std Dev 0.01634
[-0.80,-0.60)
Entries 23057
Mean 1.022
Std Dev 0.01621
[-0.60,-0.40)
Entries 53125
Mean 1.024
Std Dev 0.01595
[-0.40,-0.20)
Entries 57369
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 53633
Mean 1.024
Std Dev 0.01593
[0.00,0.20)
Entries 50937
Mean 1.024
Std Dev 0.0159
[0.20,0.40)
Entries 50854
Mean 1.022
Std Dev 0.01591
[0.40,0.60)
Entries 41363
Mean 1.022
Std Dev 0.01596
[0.60,0.80)
Entries 14053
Mean 1.016
Std Dev 0.01574
[0.80,1.00)
Entries 416
Mean 1.006
Std Dev 0.01309

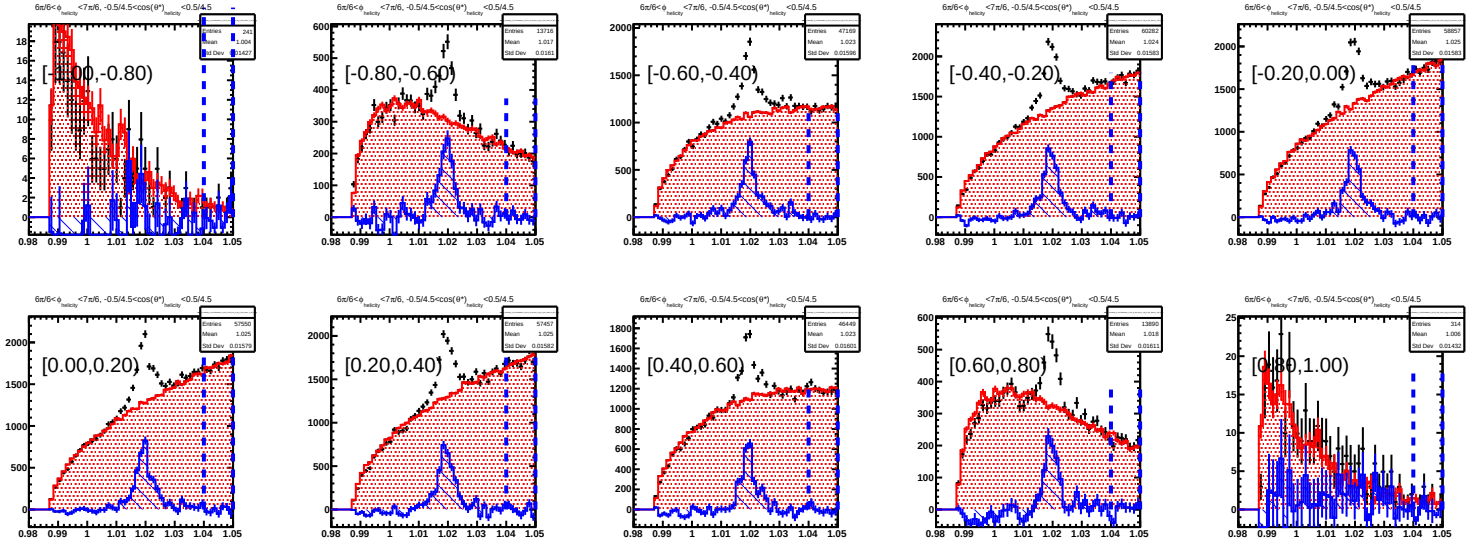

5π/6<φ_helicity<6π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
[-1.00,-0.80)
Entries 1976
Mean 1.019
Std Dev 0.01653
[-0.80,-0.60)
Entries 28641
Mean 1.023
Std Dev 0.01618
[-0.60,-0.40)
Entries 52689
Mean 1.024
Std Dev 0.01598
[-0.40,-0.20)
Entries 53694
Mean 1.024
Std Dev 0.01594
[-0.20,0.00)
Entries 49123
Mean 1.023
Std Dev 0.01599
[0.00,0.20)
Entries 47234
Mean 1.024
Std Dev 0.01592
[0.20,0.40)
Entries 48992
Mean 1.023
Std Dev 0.01598
[0.40,0.60)
Entries 43759
Mean 1.022
Std Dev 0.01603
[0.60,0.80)
Entries 20585
Mean 1.019
Std Dev 0.01614
[0.80,1.00)
Entries 1173
Mean 1.014
Std Dev 0.01589

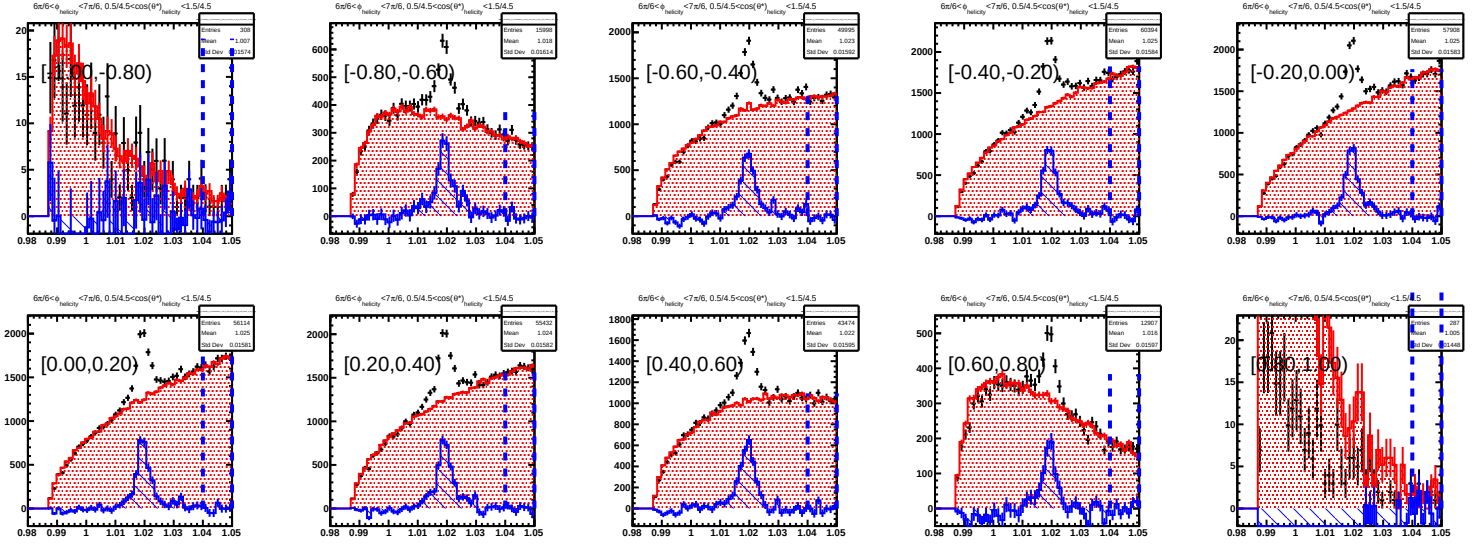

6π/6<φ_helicity<7π/6, -4.5/4.5<cos(θ*)_helicity<-3.5/4.5
[-1.00,-0.80)
Entries 1158
Mean 1.014
Std Dev 0.01629
[-0.80,-0.60)
Entries 21661
Mean 1.02
Std Dev 0.01609
[-0.60,-0.40)
Entries 48246
Mean 1.023
Std Dev 0.01598
[-0.40,-0.20)
Entries 54305
Mean 1.023
Std Dev 0.01598
[-0.20,0.00)
Entries 51658
Mean 1.024
Std Dev 0.01593
[0.00,0.20)
Entries 49791
Mean 1.024
Std Dev 0.01591
[0.20,0.40)
Entries 52493
Mean 1.024
Std Dev 0.01598
[0.40,0.60)
Entries 52685
Mean 1.024
Std Dev 0.01598
[0.60,0.80)
Entries 30253
Mean 1.023
Std Dev 0.01617
[0.80,1.00)
Entries 2212
Mean 1.019
Std Dev 0.01652

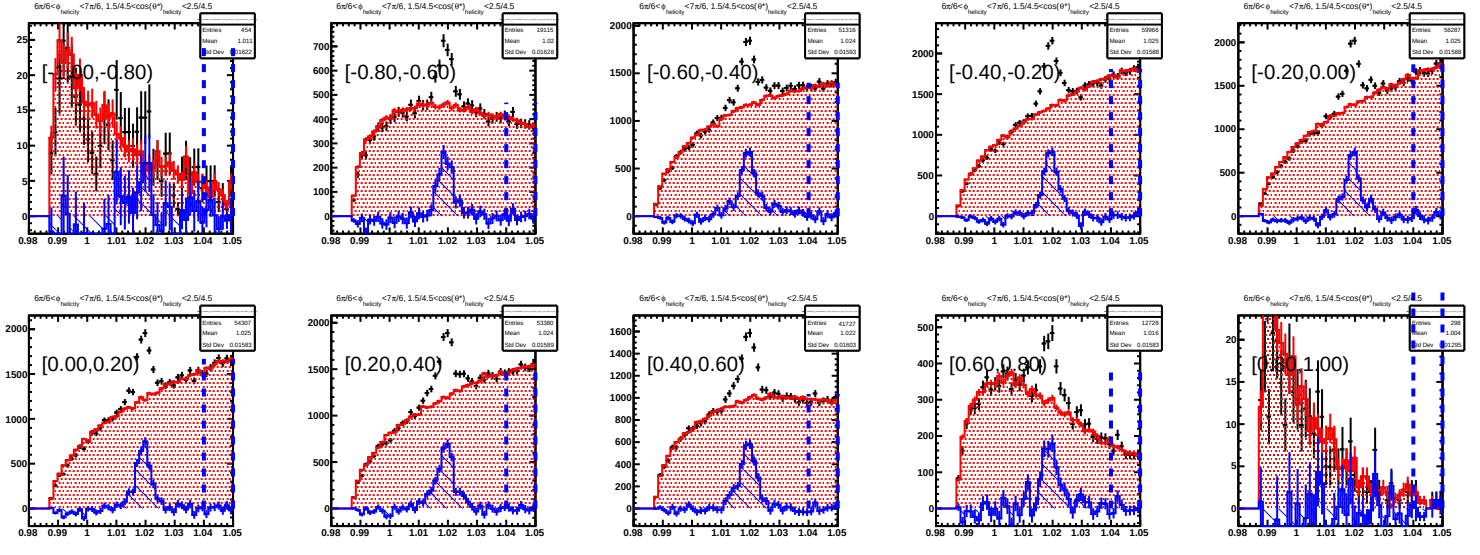

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

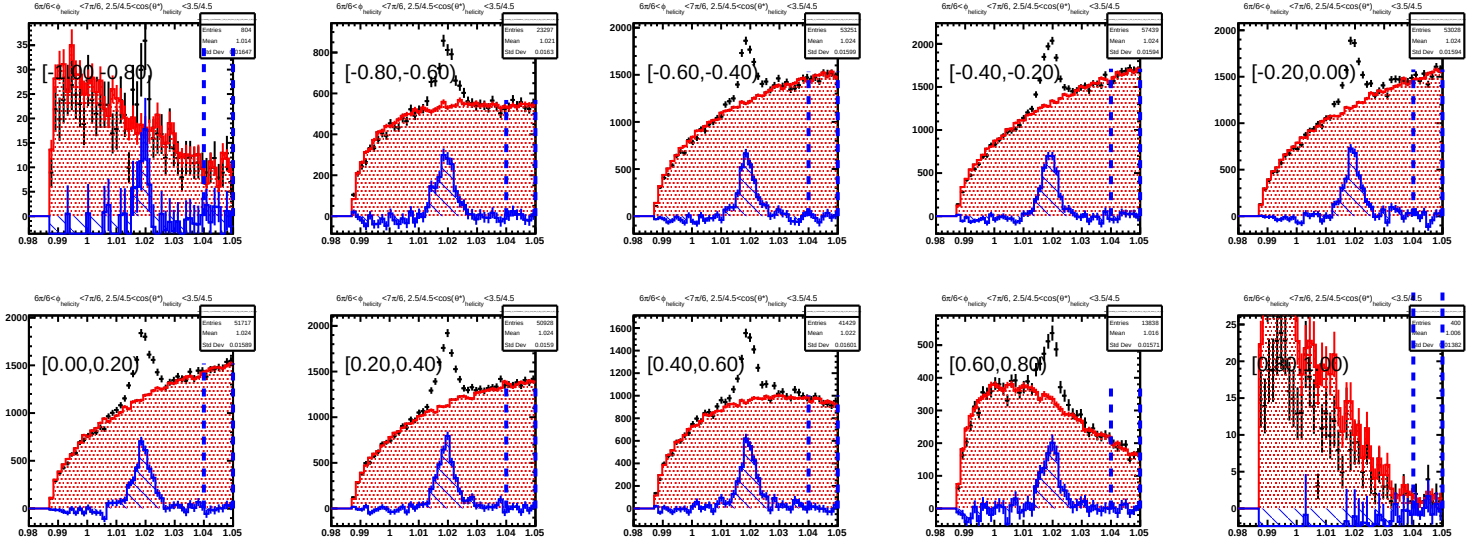

6π/6<φ_helicity<7π/6, -2.5/4.5<cos(θ*)_helicity<-1.5/4.5
[-1.00,-0.80)
Entries 305
Mean 1.005
Std Dev 0.01366
[-0.80,-0.60)
Entries 12421
Mean 1.016
Std Dev 0.01593
[-0.60,-0.40)
Entries 44367
Mean 1.022
Std Dev 0.01598
[-0.40,-0.20)
Entries 57957
Mean 1.024
Std Dev 0.01583
[-0.20,0.00)
Entries 57227
Mean 1.025
Std Dev 0.01584
[0.00,0.20)
Entries 56335
Mean 1.025
Std Dev 0.0158
[0.20,0.40)
Entries 58650
Mean 1.025
Std Dev 0.01586
[0.40,0.60)
Entries 51146
Mean 1.024
Std Dev 0.01592
[0.60,0.80)
Entries 19848
Mean 1.02
Std Dev 0.01616
[0.80,1.00)
Entries 513
Mean 1.01
Std Dev 0.01569

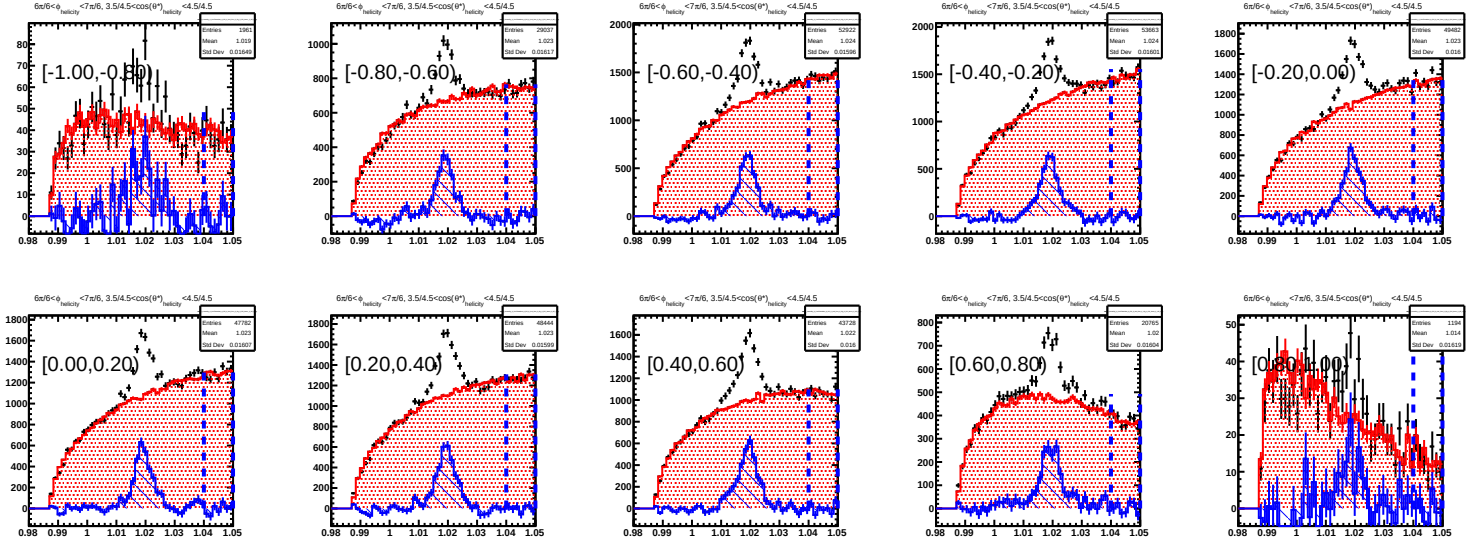

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

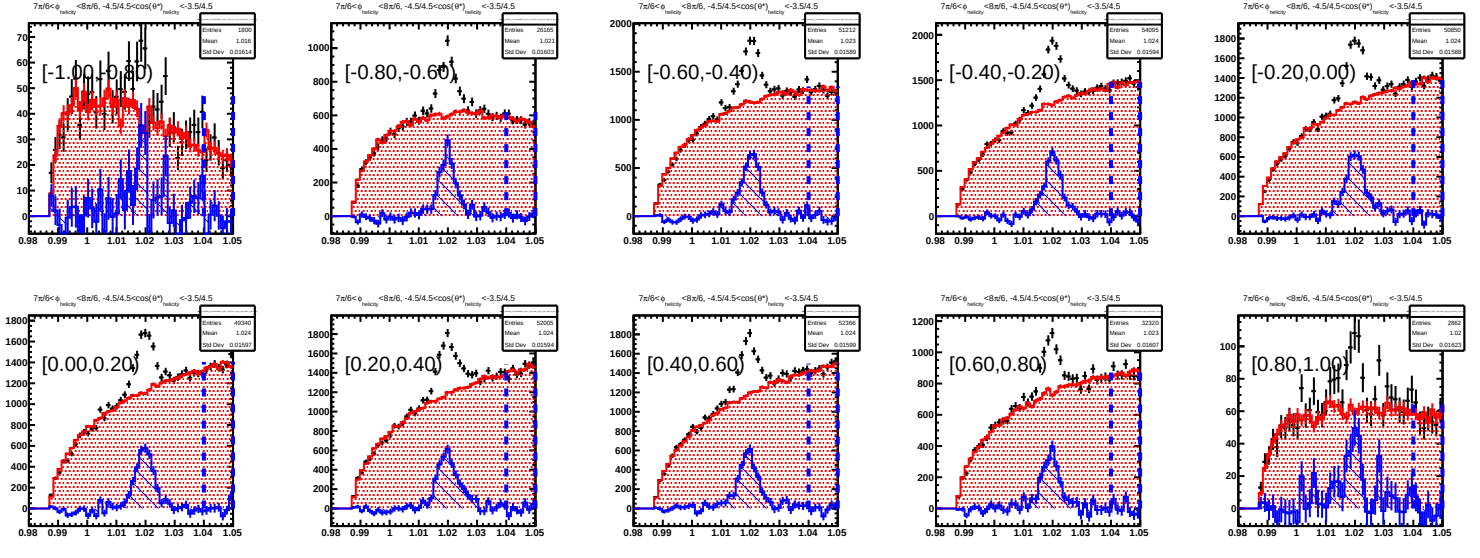

6π/6<φ_helicity<7π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 241
Mean 1.004
Std Dev 0.01427
[-0.80,-0.60)
Entries 13716
Mean 1.017
Std Dev 0.0161
[-0.60,-0.40)
Entries 47169
Mean 1.023
Std Dev 0.01596
[-0.40,-0.20)
Entries 65282
Mean 1.024
Std Dev 0.01583
[-0.20,0.00)
Entries 58857
Mean 1.025
Std Dev 0.01583
[0.00,0.20)
Entries 57550
Mean 1.025
Std Dev 0.01579
[0.20,0.40)
Entries 57457
Mean 1.023
Std Dev 0.01582
[0.40,0.60)
Entries 46449
Mean 1.023
Std Dev 0.01603
[0.60,0.80)
Entries 13892
Mean 1.018
Std Dev 0.01611
[0.80,1.00)
Entries 314
Mean 1.006
Std Dev 0.01432


6π/6<φ_helicity<7π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
[-1.00,-0.80)
Entries 308
Mean 1.007
Std Dev 0.01574
[-0.80,-0.60)
Entries 15998
Mean 1.018
Std Dev 0.01614
[-0.60,-0.40)
Entries 49995
Mean 1.023
Std Dev 0.01592
[-0.40,-0.20)
Entries 65394
Mean 1.025
Std Dev 0.01584
[-0.20,0.00)
Entries 57908
Mean 1.025
Std Dev 0.01581
[0.00,0.20)
Entries 56114
Mean 1.025
Std Dev 0.01581
[0.20,0.40)
Entries 55432
Mean 1.024
Std Dev 0.01592
[0.40,0.60)
Entries 43474
Mean 1.022
Std Dev 0.01595
[0.60,0.80)
Entries 12907
Mean 1.016
Std Dev 0.01597
[0.80,1.00)
Entries 287
Mean 1.005
Std Dev 0.01449


6π/6<φhelicity<7π/6, 1.5/4.5<cos(θ*)helicity<2.5/4.5
[-1.00,-0.80)
Entries 454
Mean 1.011
Std Dev 0.01622
[-0.80,-0.60)
Entries 19115
Mean 1.02
Std Dev 0.01628
[-0.60,-0.40)
Entries 51318
Mean 1.024
Std Dev 0.01593
[-0.40,-0.20)
Entries 59968
Mean 1.025
Std Dev 0.01588
[-0.20,0.00)
Entries 56287
Mean 1.025
Std Dev 0.01589
[0.00,0.20)
Entries 54307
Mean 1.025
Std Dev 0.01583
[0.20,0.40)
Entries 53380
Mean 1.024
Std Dev 0.01589
[0.40,0.60)
Entries 41727
Mean 1.022
Std Dev 0.01603
[0.60,0.80)
Entries 12728
Mean 1.016
Std Dev 0.01583
[0.80,1.00)
Entries 298
Mean 1.004
Std Dev 0.01295


6π/6<φ_helicity<7π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
[-1.00,-0.80)
Entries 804
Mean 1.014
Std Dev 0.01647
[-0.80,-0.60)
Entries 23297
Mean 1.021
Std Dev 0.0163
[-0.60,-0.40)
Entries 53253
Mean 1.024
Std Dev 0.01599
[-0.40,-0.20)
Entries 57439
Mean 1.024
Std Dev 0.01594
[-0.20,0.00)
Entries 53028
Mean 1.024
Std Dev 0.01594
[0.00,0.20)
Entries 51717
Mean 1.024
Std Dev 0.01589
[0.20,0.40)
Entries 50928
Mean 1.024
Std Dev 0.0159
[0.40,0.60)
Entries 41429
Mean 1.022
Std Dev 0.01603
[0.60,0.80)
Entries 13838
Mean 1.016
Std Dev 0.01571
[0.80,1.00)
Entries 400
Mean 1.006
Std Dev 0.01382


6π/6<ϕ_helicity<7π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
[-1.00,-0.80)
Entries 1961
Mean 1.019
Std Dev 0.01649
[-0.80,-0.60)
Entries 29037
Mean 1.023
Std Dev 0.01617
[-0.60,-0.40)
Entries 52922
Mean 1.024
Std Dev 0.01596
[-0.40,-0.20)
Entries 53663
Mean 1.024
Std Dev 0.01601
[-0.20,0.00)
Entries 49482
Mean 1.023
Std Dev 0.016
[0.00,0.20)
Entries 47782
Mean 1.023
Std Dev 0.01607
[0.20,0.40)
Entries 48444
Mean 1.023
Std Dev 0.01599
[0.40,0.60)
Entries 43728
Mean 1.022
Std Dev 0.016
[0.60,0.80)
Entries 20765
Mean 1.02
Std Dev 0.01604
[0.80,1.00)
Entries 1194
Mean 1.014
Std Dev 0.01619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[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
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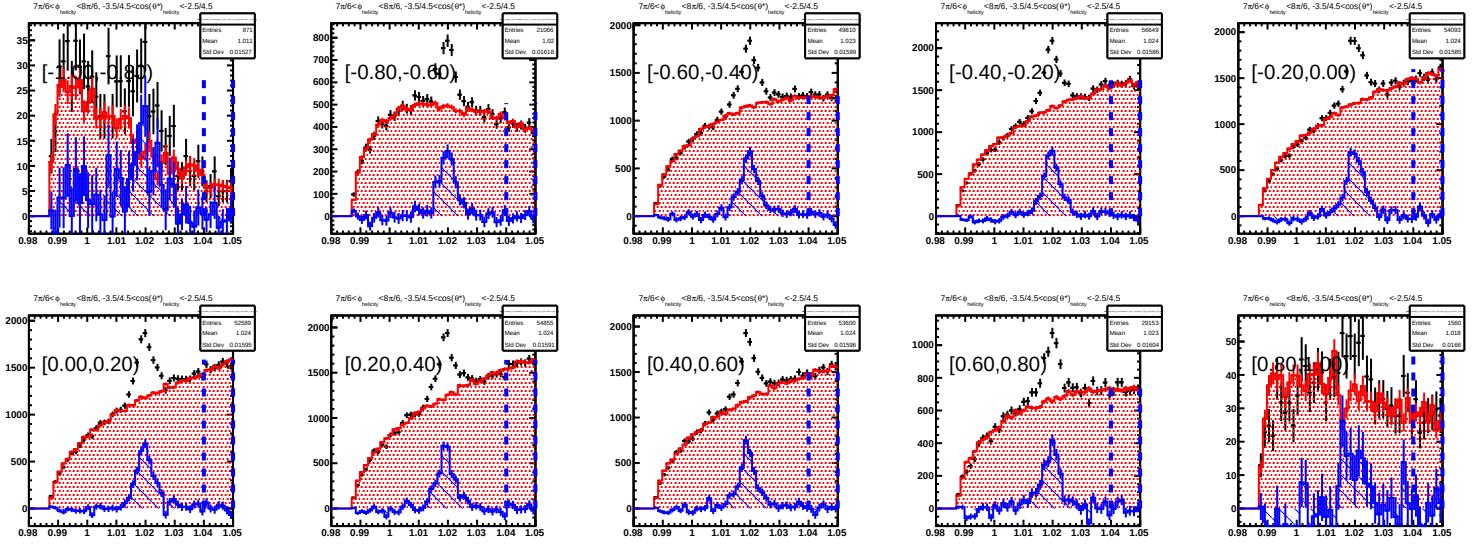
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)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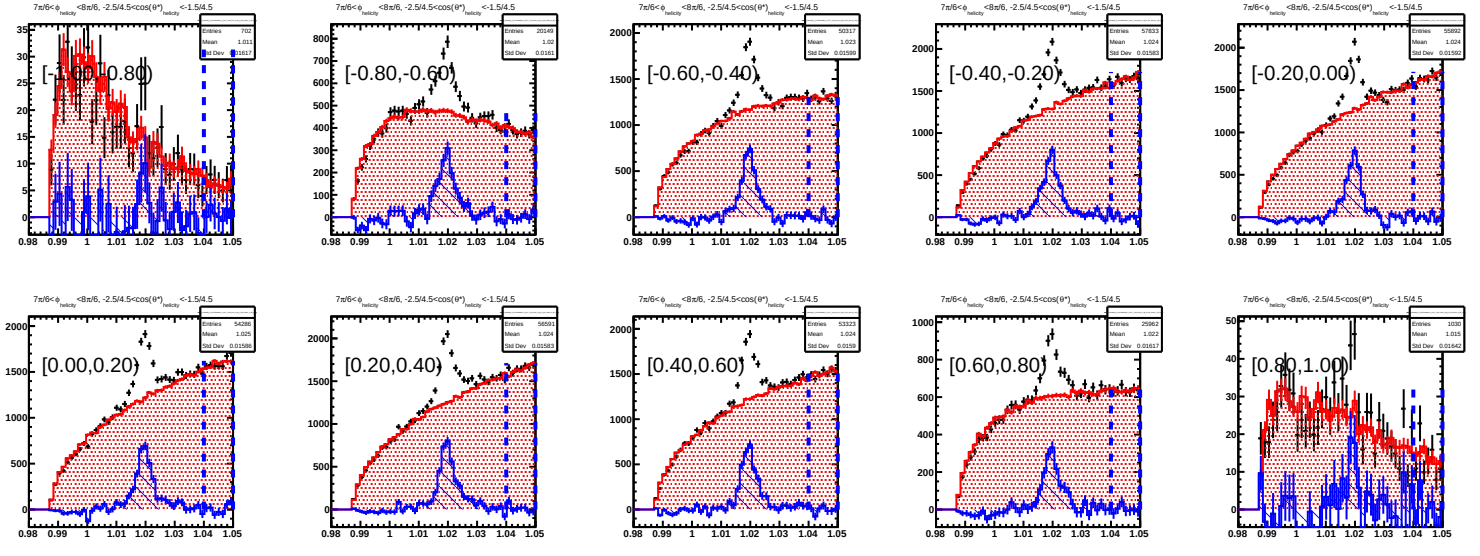
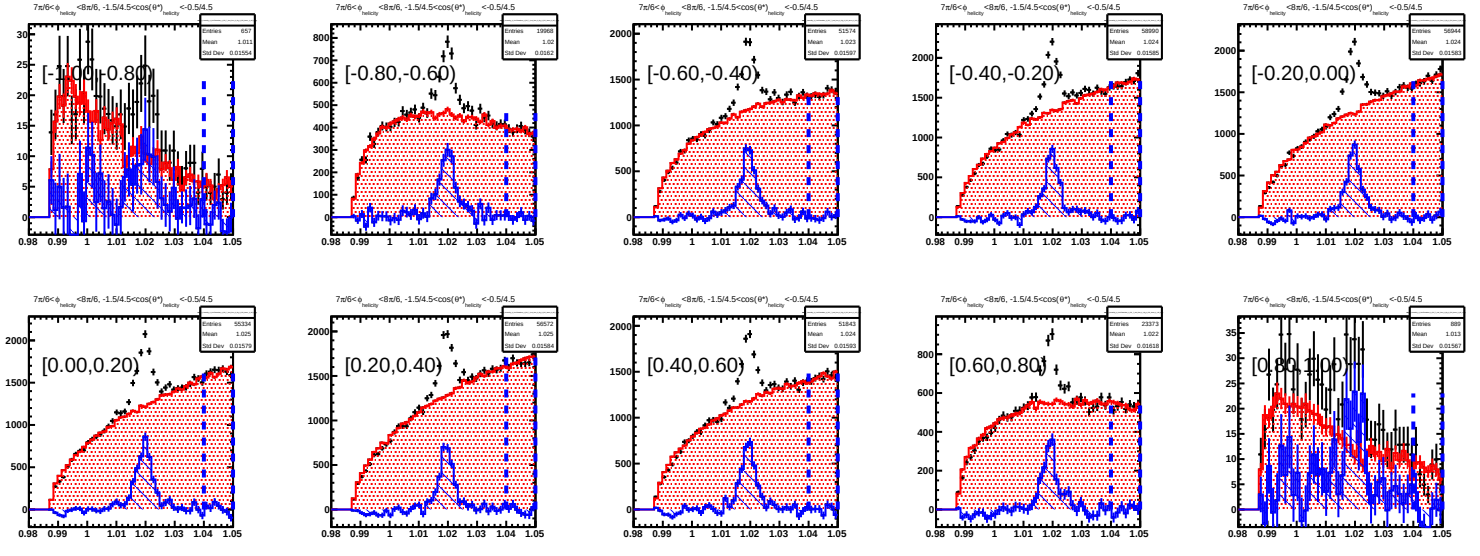
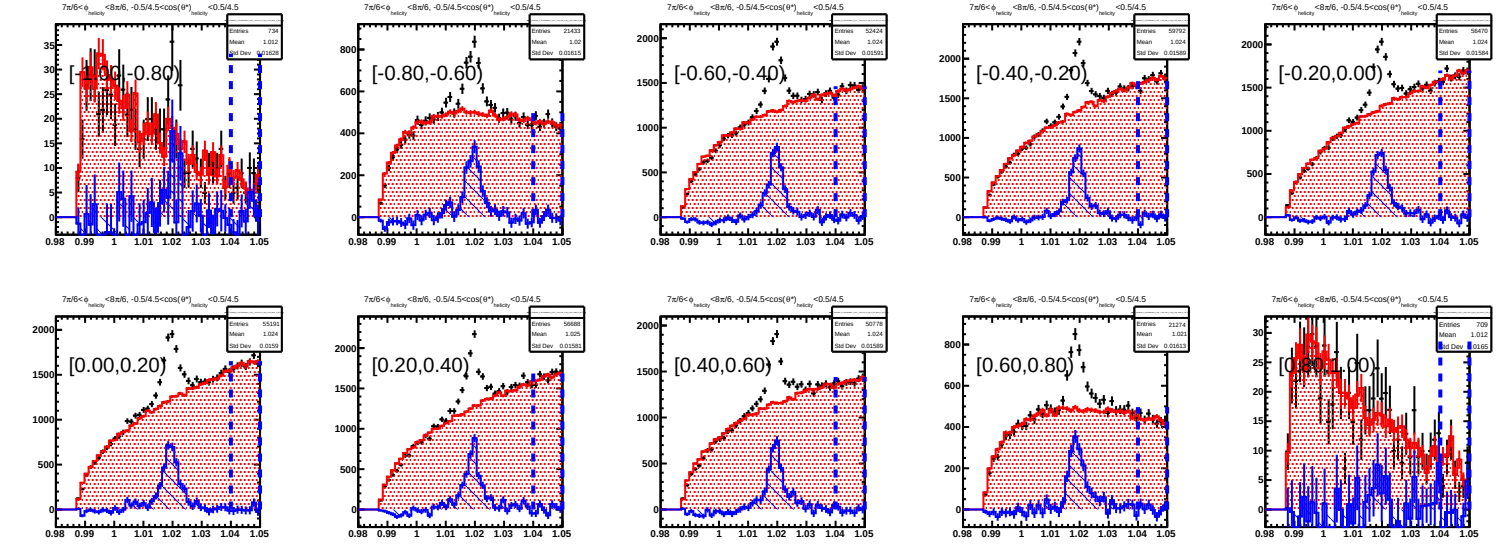
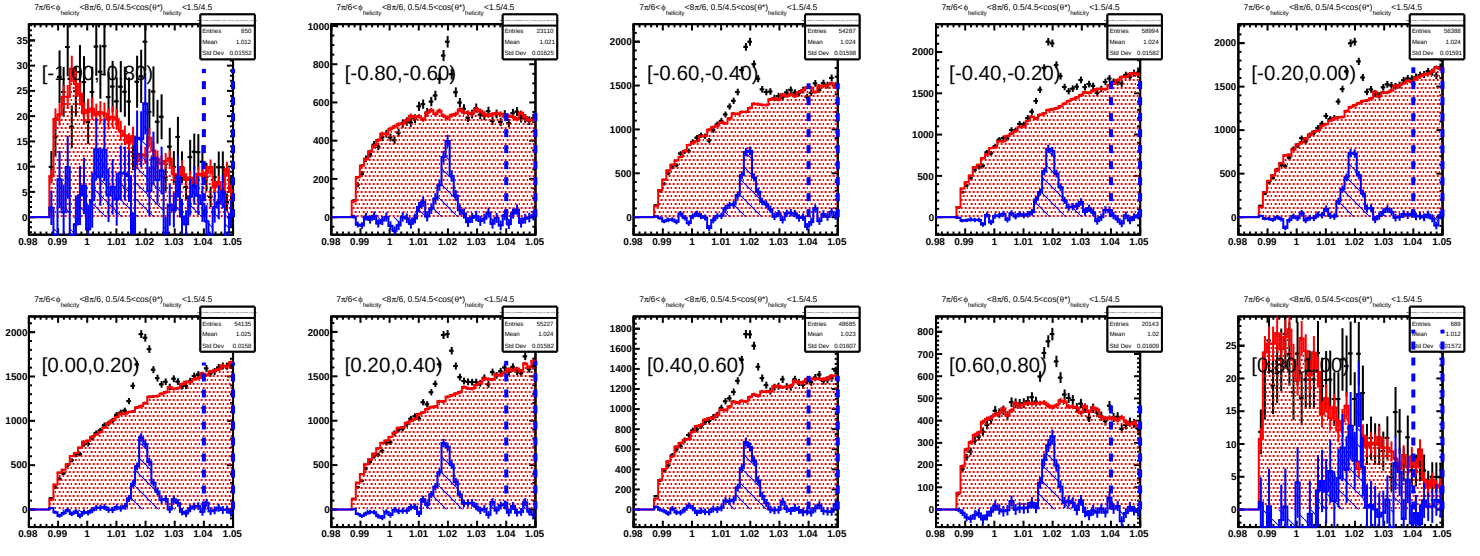
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


7π/6<φ_helicity<8π/6, -1.5/4.5<cos(θ*)_helicity<-0.5/4.5
[-1.00,-0.80)
Entries 657
Mean 1.011
Std Dev 0.01554
[-0.80,-0.60)
Entries 19968
Mean 1.02
Std Dev 0.0162
[-0.60,-0.40)
Entries 51574
Mean 1.023
Std Dev 0.01597
[-0.40,-0.20)
Entries 58993
Mean 1.024
Std Dev 0.01585
[-0.20,0.00)
Entries 56944
Mean 1.024
Std Dev 0.01583
[0.00,0.20)
Entries 55334
Mean 1.025
Std Dev 0.01579
[0.20,0.40)
Entries 56572
Mean 1.025
Std Dev 0.01584
[0.40,0.60)
Entries 51843
Mean 1.024
Std Dev 0.01593
[0.60,0.80)
Entries 23373
Mean 1.022
Std Dev 0.01618
[0.80,1.00)
Entries 888
Mean 1.013
Std Dev 0.01567


7π/6<φ_helicity<8π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 734
Mean 1.012
Std Dev 0.01628
[-0.80,-0.60)
Entries 21433
Mean 1.02
Std Dev 0.01615
[-0.60,-0.40)
Entries 52424
Mean 1.024
Std Dev 0.01591
[-0.40,-0.20)
Entries 59762
Mean 1.024
Std Dev 0.01589
[-0.20,0.00)
Entries 56470
Mean 1.024
Std Dev 0.01584
[0.00,0.20)
Entries 55191
Mean 1.024
Std Dev 0.0159
[0.20,0.40)
Entries 56688
Mean 1.025
Std Dev 0.01581
[0.40,0.60)
Entries 50779
Mean 1.024
Std Dev 0.01589
[0.60,0.80)
Entries 21274
Mean 1.031
Std Dev 0.01613
[0.80,1.00)
Entries 709
Mean 1.012
Std Dev 0.0165


7π/6<ϕhelicity<8π/6, 0.5/4.5<cos(θ*)helicity<1.5/4.5
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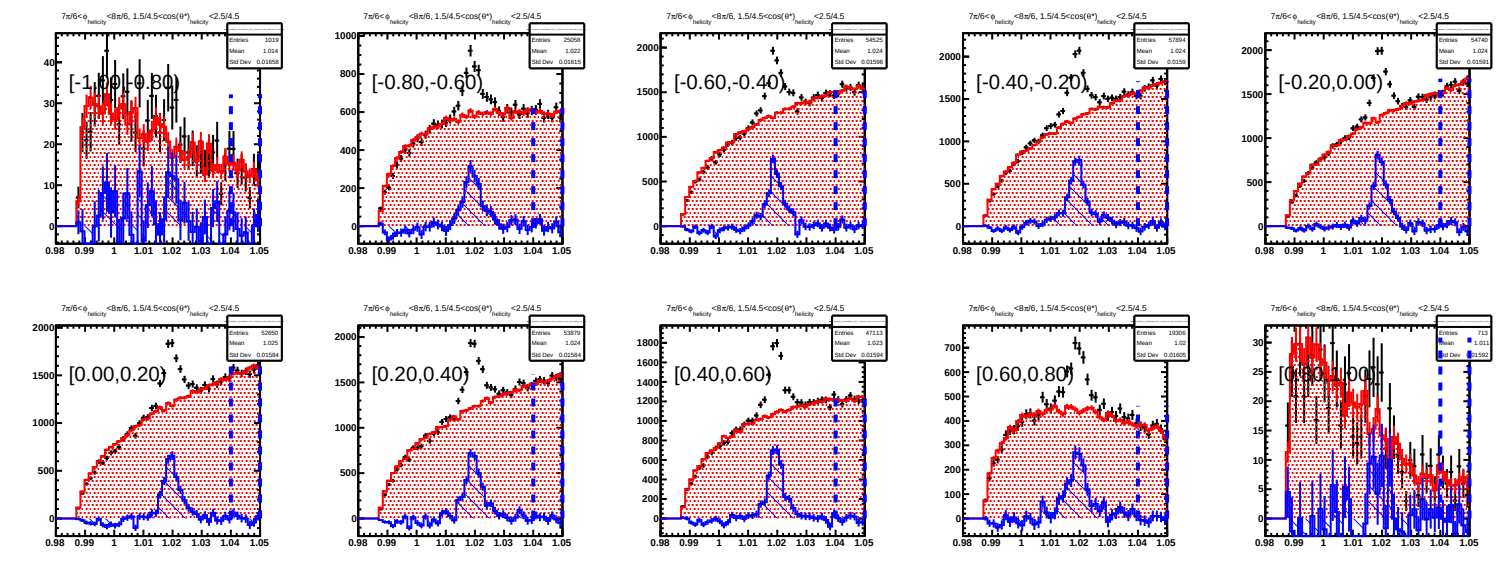
Entries 850
Mean 1.012
Std Dev 0.01552
[-0.80,-0.60)
Entries 23110
Mean 1.021
Std Dev 0.01625
[-0.60,-0.40)
Entries 54287
Mean 1.024
Std Dev 0.01598
[-0.40,-0.20)
Entries 58994
Mean 1.024
Std Dev 0.01582
[-0.20,0.00)
Entries 56388
Mean 1.024
Std Dev 0.01591
[0.00,0.20)
Entries 54135
Mean 1.025
Std Dev 0.0158
[0.20,0.40)
Entries 55227
Mean 1.024
Std Dev 0.01582
[0.40,0.60)
Entries 48835
Mean 1.023
Std Dev 0.01607
[0.60,0.80)
Entries 20143
Mean 1.02
Std Dev 0.01609
[0.80,1.00)
Entries 698
Mean 1.012
Std Dev 0.01572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[-0.80,-0.60)
[-0.60,-0.40)
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[0.40,0.60)
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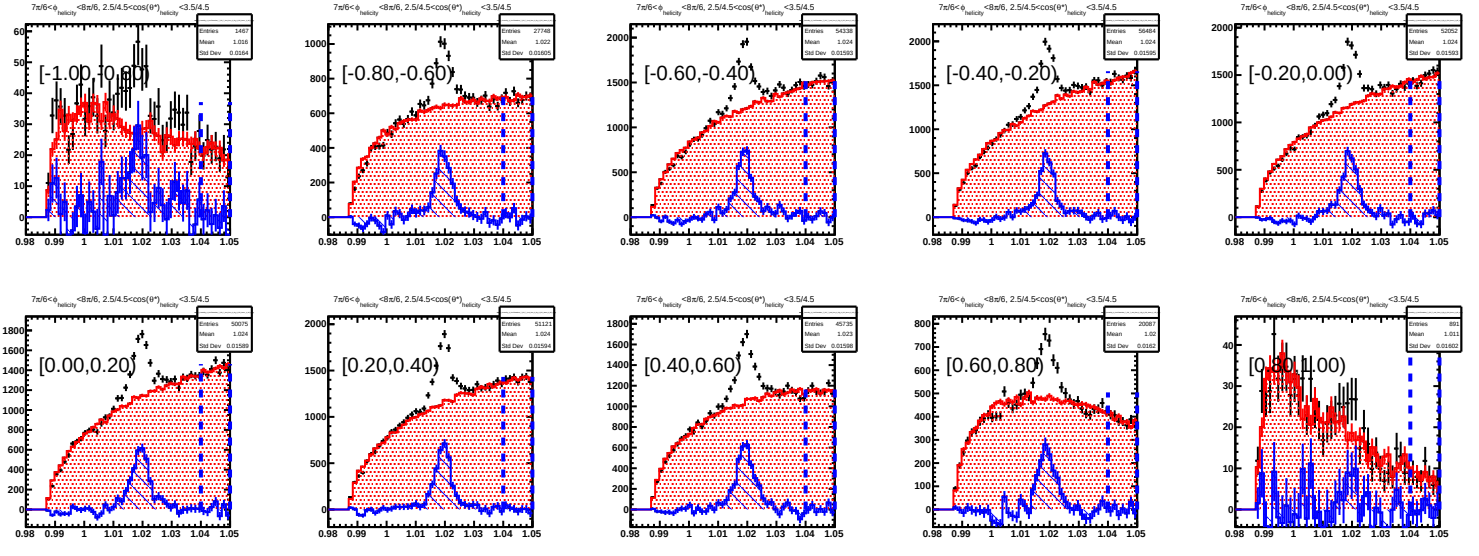
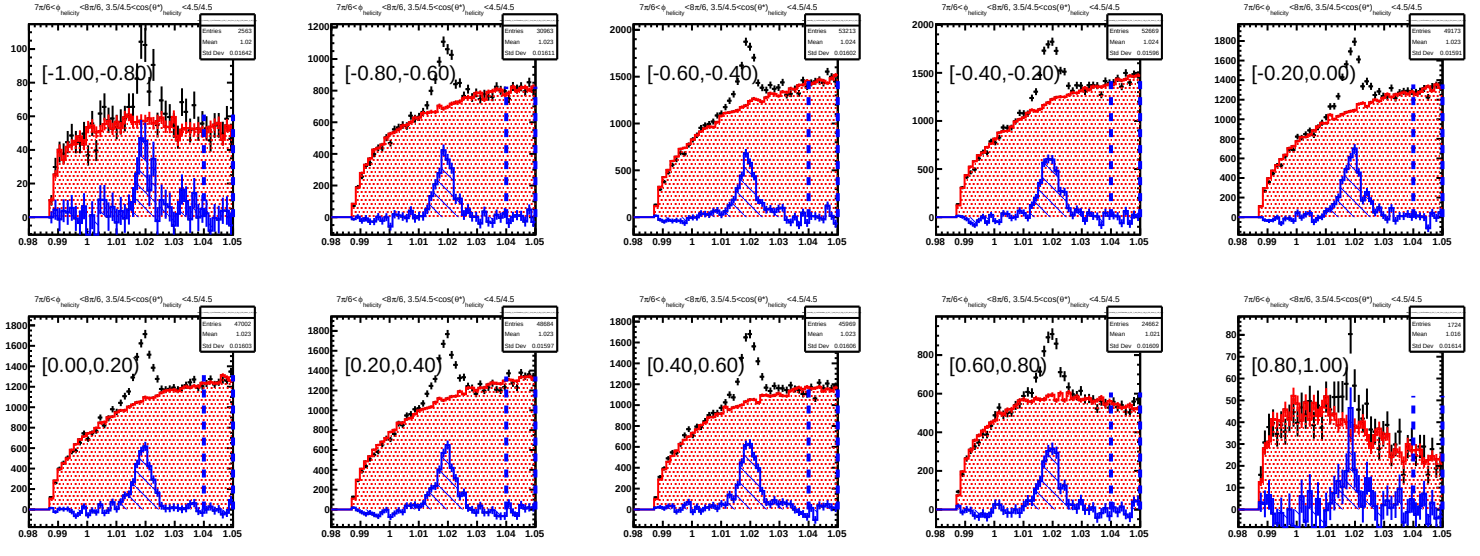
[0.80,1.00)


7π/6<ϕ_helicity<8π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
[-1.00,-0.80)
Entries 1467
Mean 1.016
Std Dev 0.0164
[-0.80,-0.60)
Entries 27748
Mean 1.022
Std Dev 0.01605
[-0.60,-0.40)
Entries 54338
Mean 1.024
Std Dev 0.01593
[-0.40,-0.20)
Entries 56464
Mean 1.024
Std Dev 0.01595
[-0.20,0.00)
Entries 52052
Mean 1.024
Std Dev 0.01593
[0.00,0.20)
Entries 50075
Mean 1.024
Std Dev 0.01589
[0.20,0.40)
Entries 51121
Mean 1.023
Std Dev 0.01594
[0.40,0.60)
Entries 45735
Mean 1.023
Std Dev 0.01598
[0.60,0.80)
Entries 20087
Mean 1.02
Std Dev 0.0162
[0.80,1.00)
Entries 881
Mean 1.011
Std Dev 0.01602


[-1.00,-0.80)
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[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
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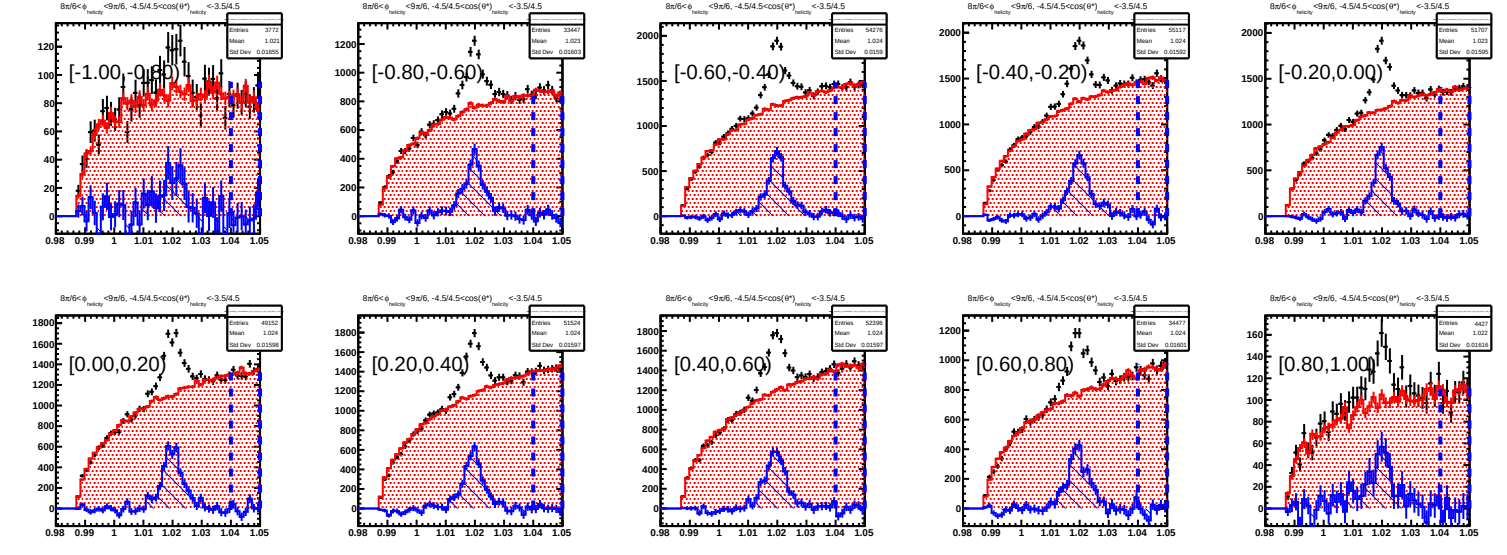
[0.60,0.80)
[0.80,1.00)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[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
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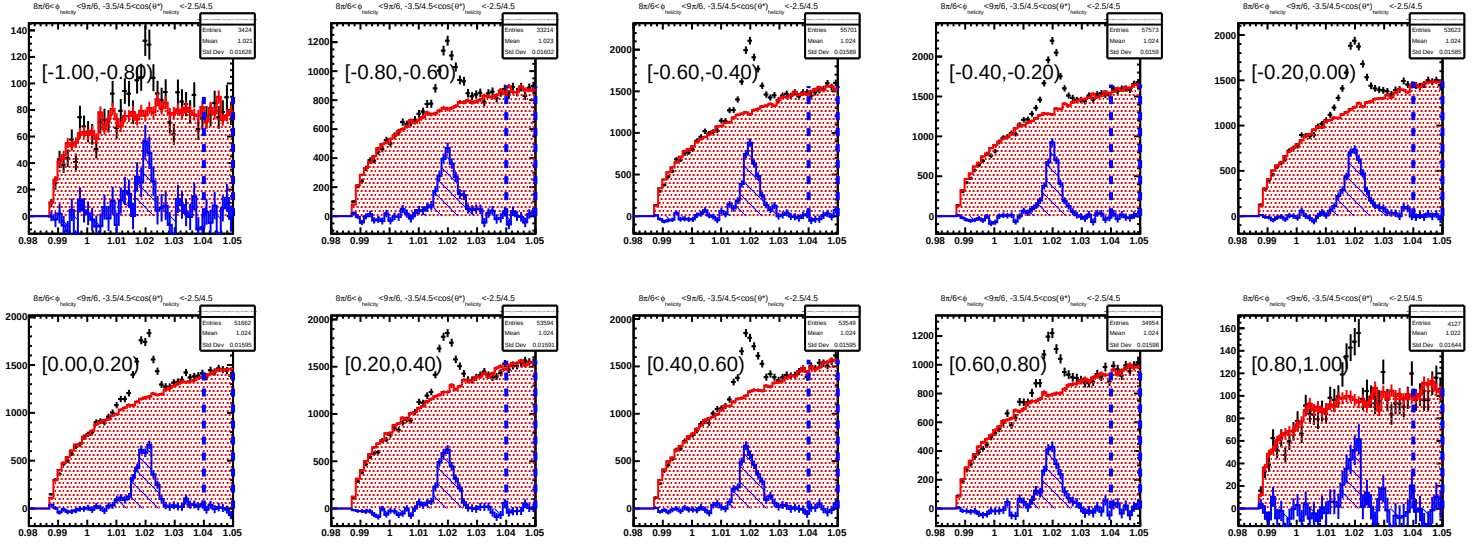
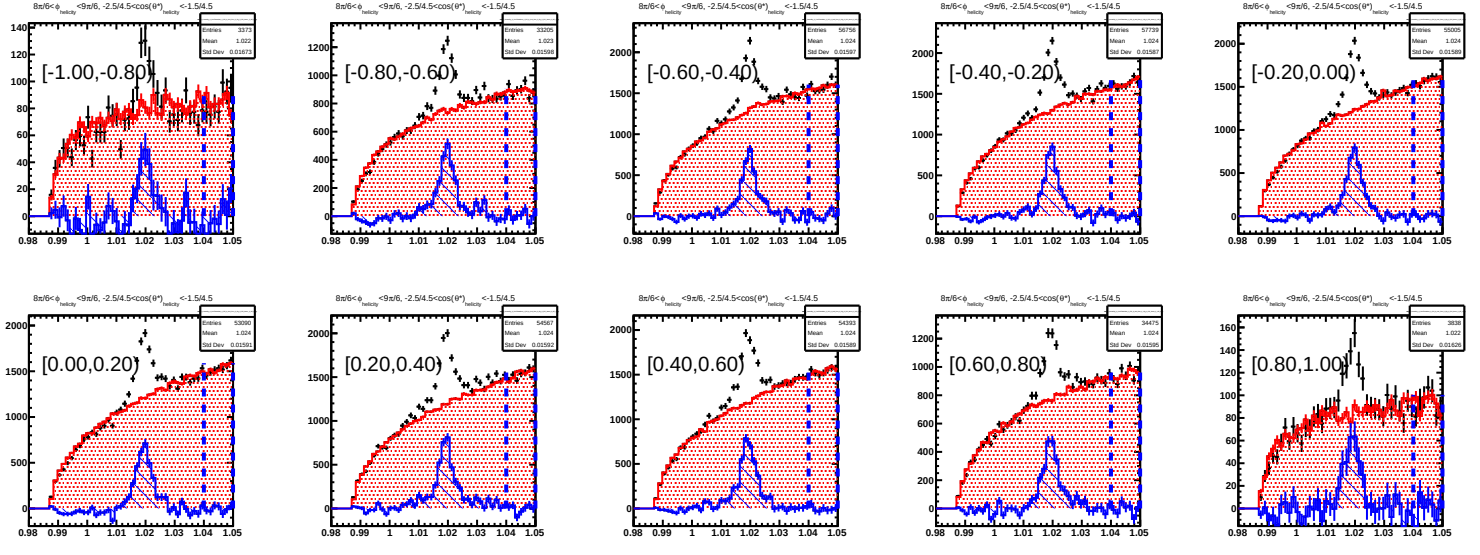
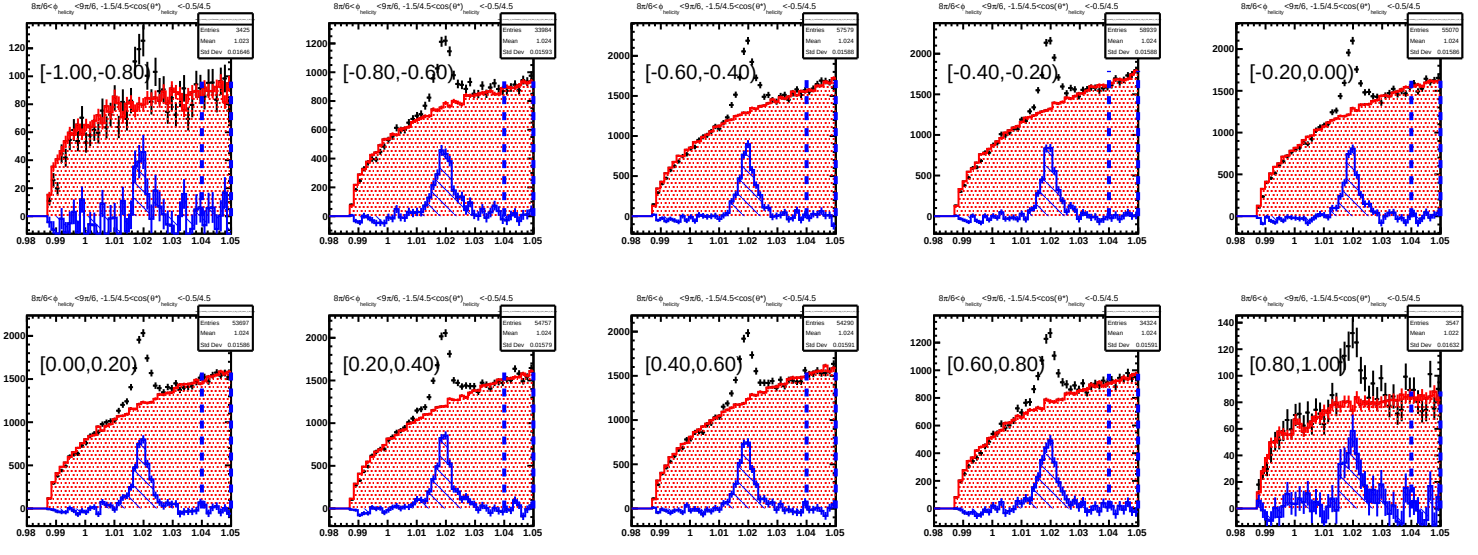
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


8π/6<φ_helicity<9π/6, -3.5/4.5<cos(θ*)_helicity<-2.5/4.5
[-1.00,-0.80)
Entries 3424
Mean 1.021
Std Dev 0.01628
[-0.80,-0.60)
Entries 33214
Mean 1.023
Std Dev 0.01602
[-0.60,-0.40)
Entries 55703
Mean 1.024
Std Dev 0.01589
[-0.40,-0.20)
Entries 57573
Mean 1.024
Std Dev 0.0159
[-0.20,0.00)
Entries 53623
Mean 1.024
Std Dev 0.01585
[0.00,0.20)
Entries 51662
Mean 1.024
Std Dev 0.01595
[0.20,0.40)
Entries 53584
Mean 1.024
Std Dev 0.01591
[0.40,0.60)
Entries 53549
Mean 1.024
Std Dev 0.01595
[0.60,0.80)
Entries 34954
Mean 1.024
Std Dev 0.01598
[0.80,1.00)
Entries 4127
Mean 1.022
Std Dev 0.01644


8π/6<φ_helicity<9π/6, -2.5/4.5<cos(θ*)_helicity<-1.5/4.5
[-1.00,-0.80)
Entries 3373
Mean 1.022
Std Dev 0.01673
[-0.80,-0.60)
Entries 33305
Mean 1.023
Std Dev 0.01598
[-0.60,-0.40)
Entries 56758
Mean 1.024
Std Dev 0.01597
[-0.40,-0.20)
Entries 57739
Mean 1.024
Std Dev 0.01587
[-0.20,0.00)
Entries 55005
Mean 1.024
Std Dev 0.01589
[0.00,0.20)
Entries 53090
Mean 1.024
Std Dev 0.01591
[0.20,0.40)
Entries 54567
Mean 1.024
Std Dev 0.01592
[0.40,0.60)
Entries 54393
Mean 1.024
Std Dev 0.01589
[0.60,0.80)
Entries 34475
Mean 1.024
Std Dev 0.01595
[0.80,1.00)
Entries 3838
Mean 1.022
Std Dev 0.01626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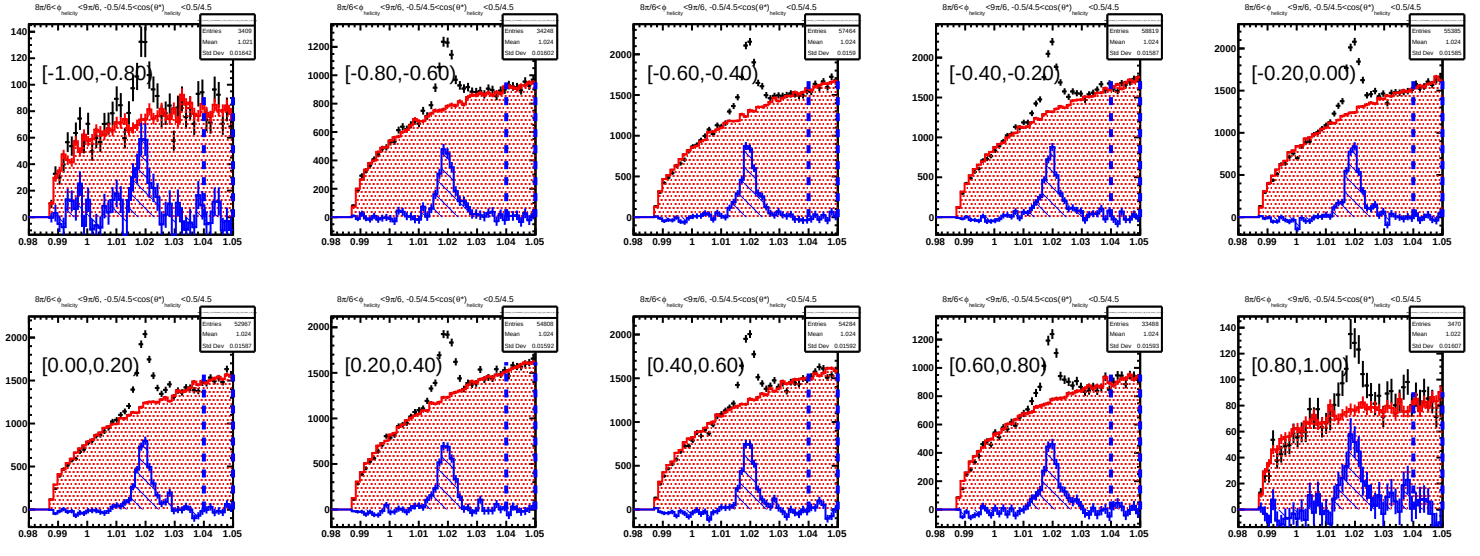
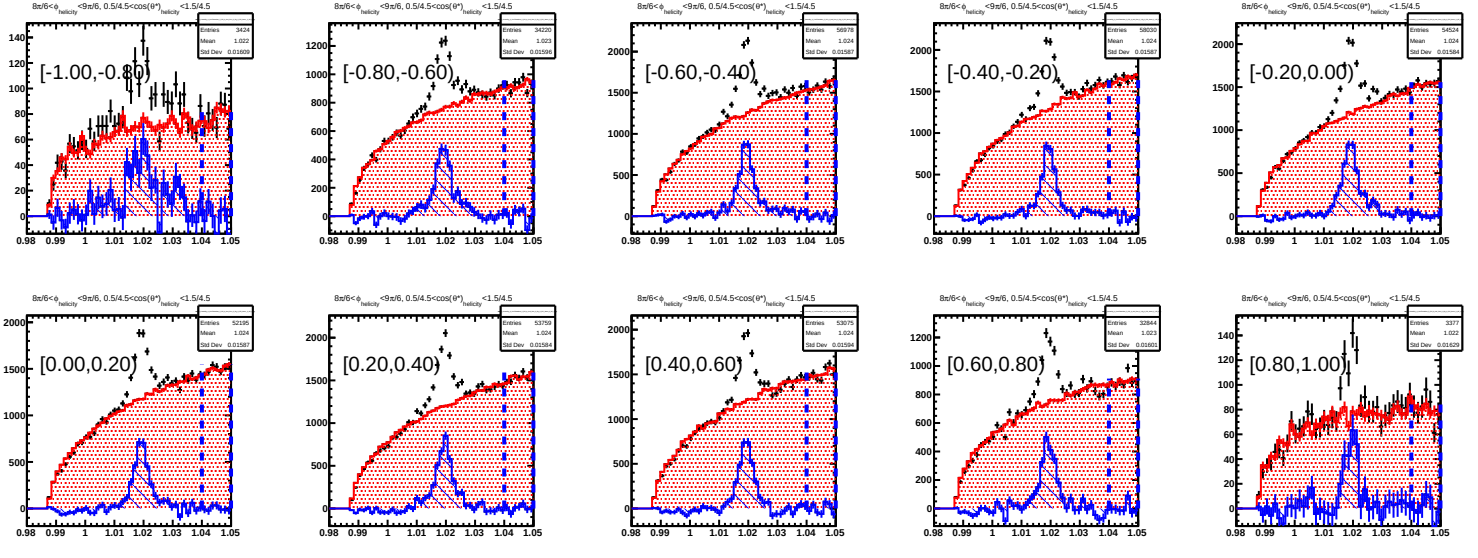
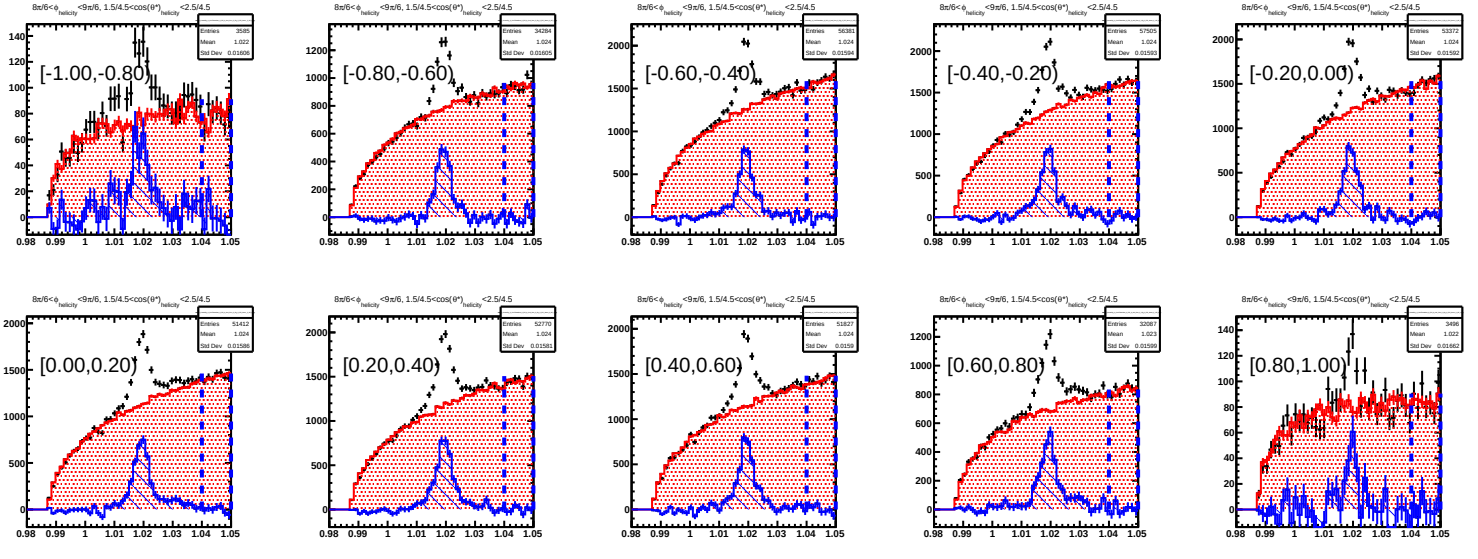
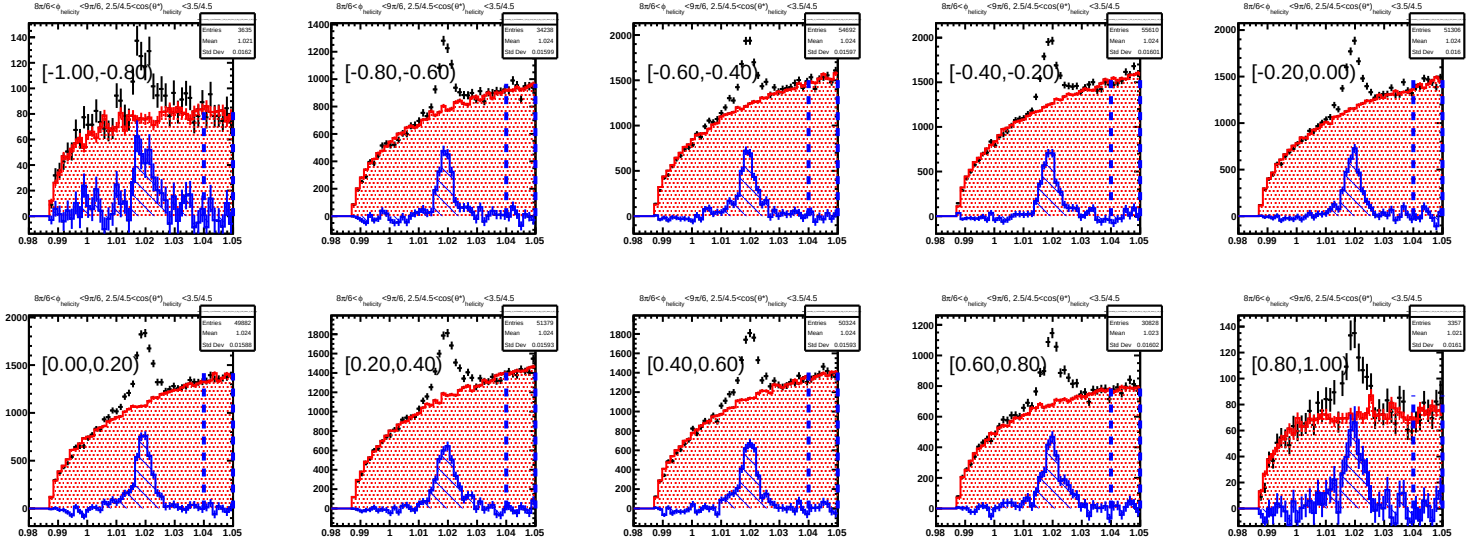
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


8π/6<ϕ_helicity<9π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 3409
Mean 1.021
Std Dev 0.01642
[-0.80,-0.60)
Entries 34248
Mean 1.024
Std Dev 0.01602
[-0.60,-0.40)
Entries 57464
Mean 1.024
Std Dev 0.0159
[-0.40,-0.20)
Entries 58613
Mean 1.024
Std Dev 0.01587
[-0.20,0.00)
Entries 55386
Mean 1.024
Std Dev 0.01585
[0.00,0.20)
Entries 52987
Mean 1.024
Std Dev 0.01587
[0.20,0.40)
Entries 54808
Mean 1.024
Std Dev 0.01592
[0.40,0.60)
Entries 54294
Mean 1.024
Std Dev 0.01592
[0.60,0.80)
Entries 33468
Mean 1.024
Std Dev 0.01593
[0.80,1.00)
Entries 3470
Mean 1.022
Std Dev 0.01607


8π/6<ϕ_helicity<9π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
[-1.00,-0.80)
Entries 3424
Mean 1.022
Std Dev 0.01609
[-0.80,-0.60)
Entries 34220
Mean 1.023
Std Dev 0.01596
[-0.60,-0.40)
Entries 56978
Mean 1.024
Std Dev 0.01587
[-0.40,-0.20)
Entries 58020
Mean 1.024
Std Dev 0.01587
[-0.20,0.00)
Entries 54524
Mean 1.024
Std Dev 0.01584
[0.00,0.20)
Entries 52195
Mean 1.024
Std Dev 0.01587
[0.20,0.40)
Entries 53759
Mean 1.024
Std Dev 0.01584
[0.40,0.60)
Entries 53075
Mean 1.024
Std Dev 0.01594
[0.60,0.80)
Entries 32844
Mean 1.023
Std Dev 0.01601
[0.80,1.00)
Entries 3377
Mean 1.022
Std Dev 0.01629


8π/6<ϕ_helicity<9π/6, 1.5/4.5<cos(θ*)_helicity<2.5/4.5
Entries 3585
Mean 1.022
Std Dev 0.01606
[-1.00,-0.80)
Entries 34284
Mean 1.024
Std Dev 0.01605
[-0.80,-0.60)
Entries 56383
Mean 1.024
Std Dev 0.01594
[-0.60,-0.40)
Entries 57505
Mean 1.024
Std Dev 0.01593
[-0.40,-0.20)
Entries 53372
Mean 1.024
Std Dev 0.01592
[-0.20,0.00)
Entries 51412
Mean 1.024
Std Dev 0.01586
[0.00,0.20)
Entries 52770
Mean 1.024
Std Dev 0.01581
[0.20,0.40)
Entries 51827
Mean 1.024
Std Dev 0.0159
[0.40,0.60)
Entries 32087
Mean 1.023
Std Dev 0.01599
[0.60,0.80)
Entries 3496
Mean 1.022
Std Dev 0.01662
[0.80,1.00)


8π/6<φ_helicity<9π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
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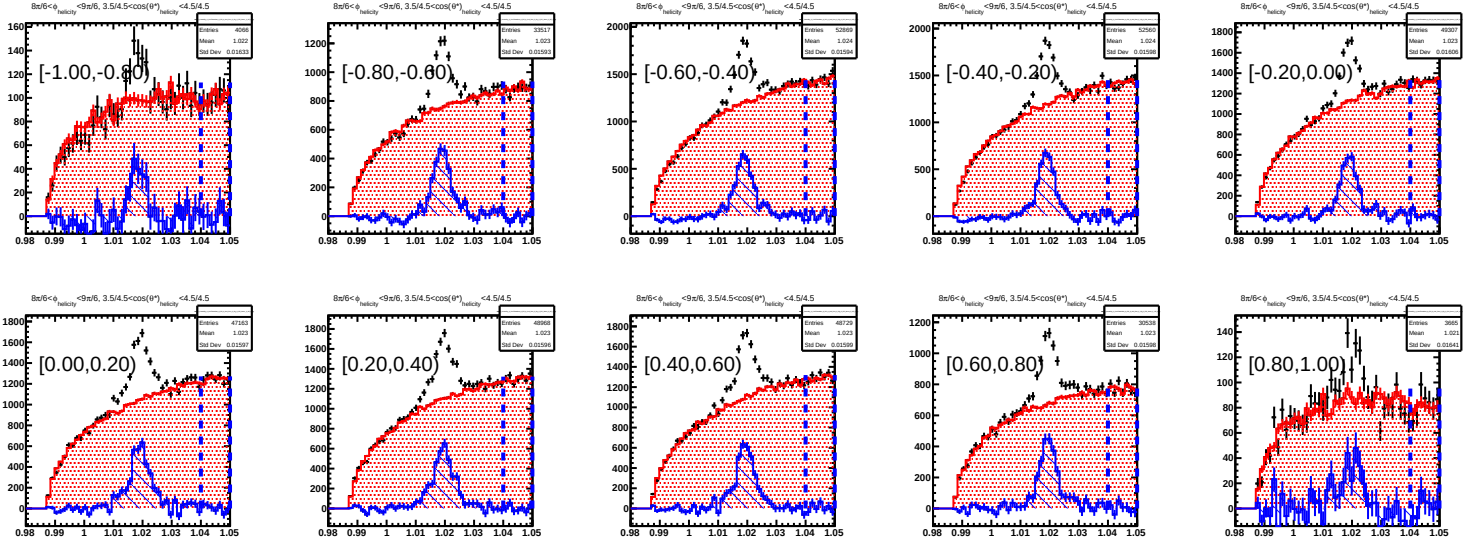
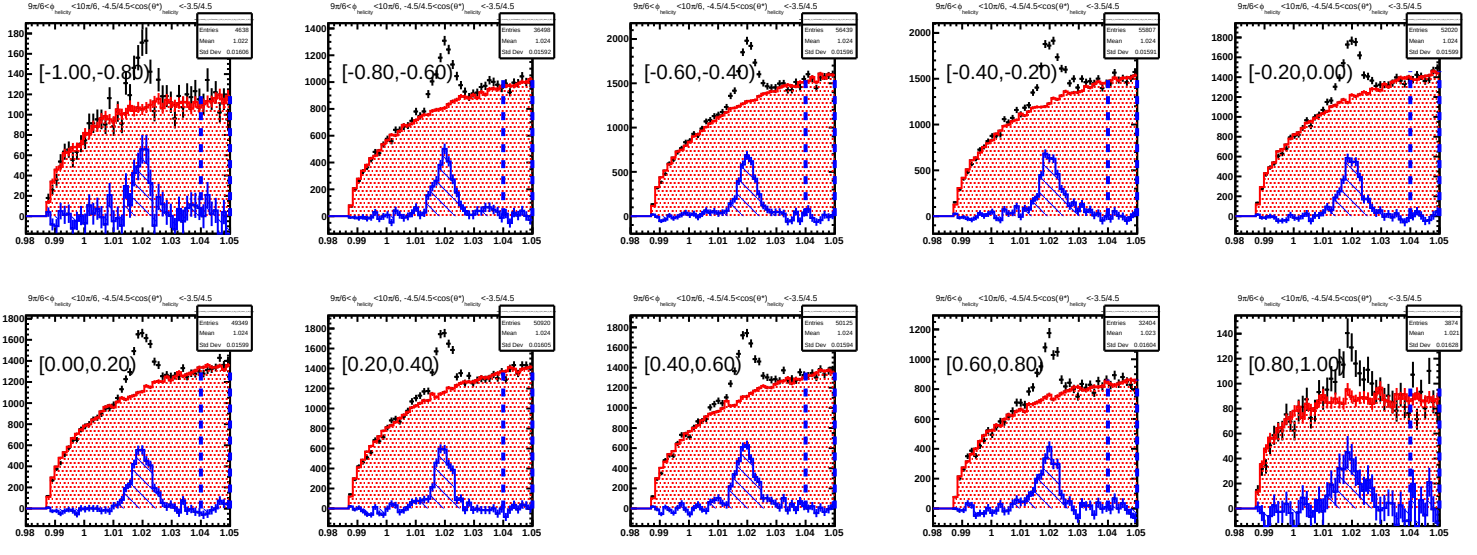
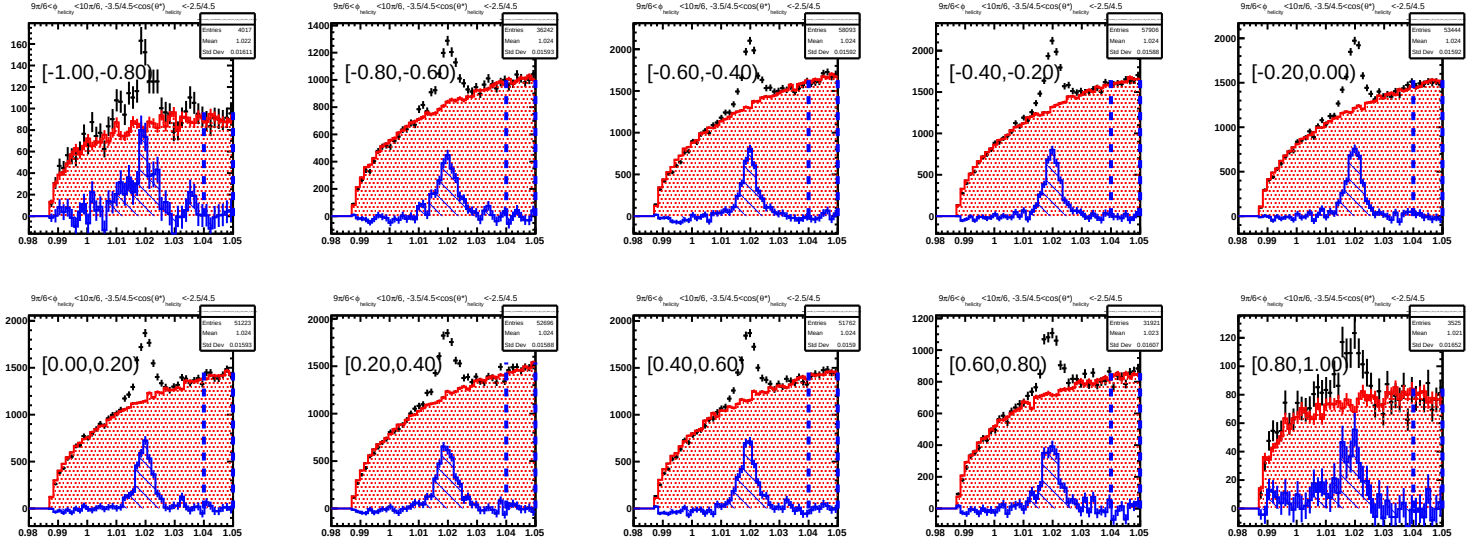
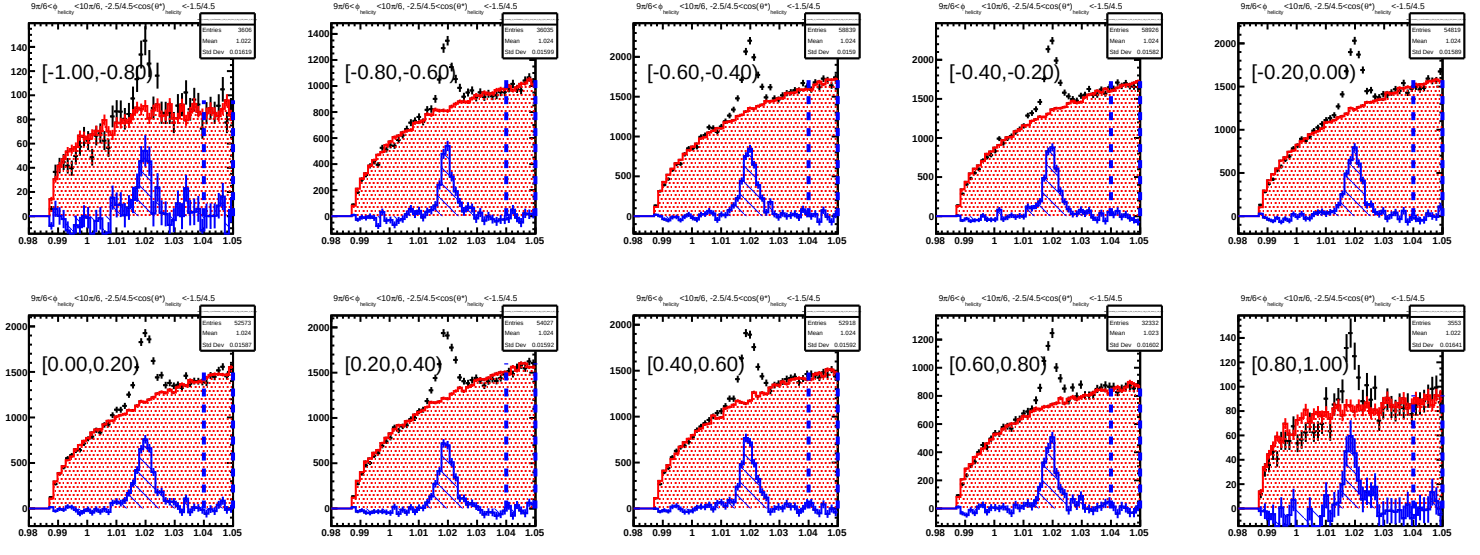
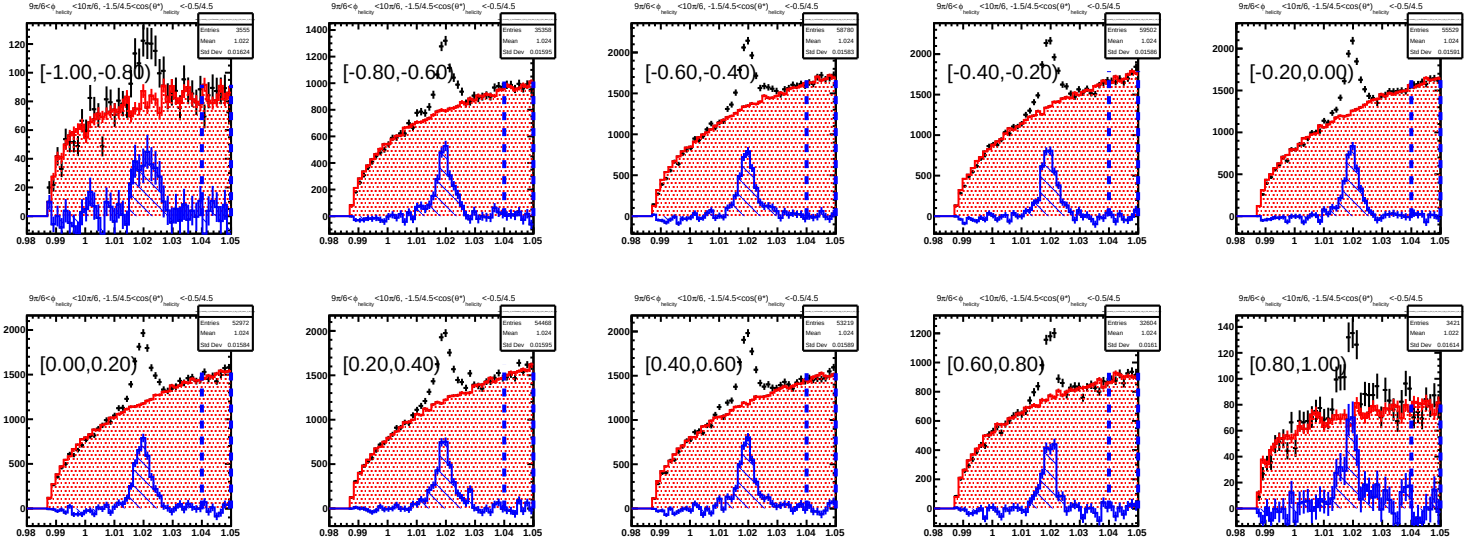
Entries 3635
Mean 1.021
Std Dev 0.0162
[-0.80,-0.60)
Entries 34238
Mean 1.024
Std Dev 0.01599
[-0.60,-0.40)
Entries 54692
Mean 1.024
Std Dev 0.01597
[-0.40,-0.20)
Entries 55610
Mean 1.024
Std Dev 0.01601
[-0.20,0.00)
Entries 51306
Mean 1.024
Std Dev 0.016
[0.00,0.20)
Entries 49882
Mean 1.024
Std Dev 0.01588
[0.20,0.40)
Entries 51378
Mean 1.024
Std Dev 0.01593
[0.40,0.60)
Entries 50324
Mean 1.024
Std Dev 0.01593
[0.60,0.80)
Entries 30828
Mean 1.023
Std Dev 0.01602
[0.80,1.00)
Entries 3357
Mean 1.021
Std Dev 0.0161

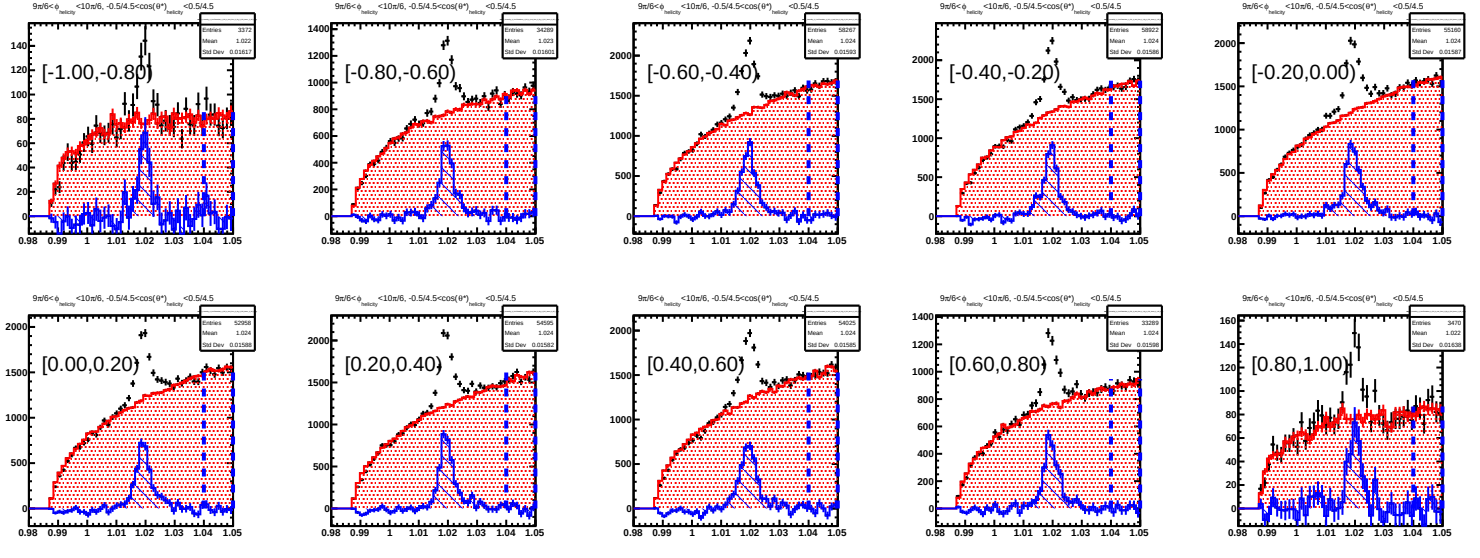

8π/6<ϕ_helicity<9π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
[-1.00,-0.80)
Entries 4066
Mean 1.022
Std Dev 0.01633
[-0.80,-0.60)
Entries 33517
Mean 1.023
Std Dev 0.01593
[-0.60,-0.40)
Entries 52869
Mean 1.024
Std Dev 0.01594
[-0.40,-0.20)
Entries 52563
Mean 1.024
Std Dev 0.01598
[-0.20,0.00)
Entries 49307
Mean 1.023
Std Dev 0.01606
[0.00,0.20)
Entries 47163
Mean 1.023
Std Dev 0.01597
[0.20,0.40)
Entries 48998
Mean 1.023
Std Dev 0.01596
[0.40,0.60)
Entries 48729
Mean 1.023
Std Dev 0.01599
[0.60,0.80)
Entries 30538
Mean 1.023
Std Dev 0.01598
[0.80,1.00)
Entries 3665
Mean 1.021
Std Dev 0.01641

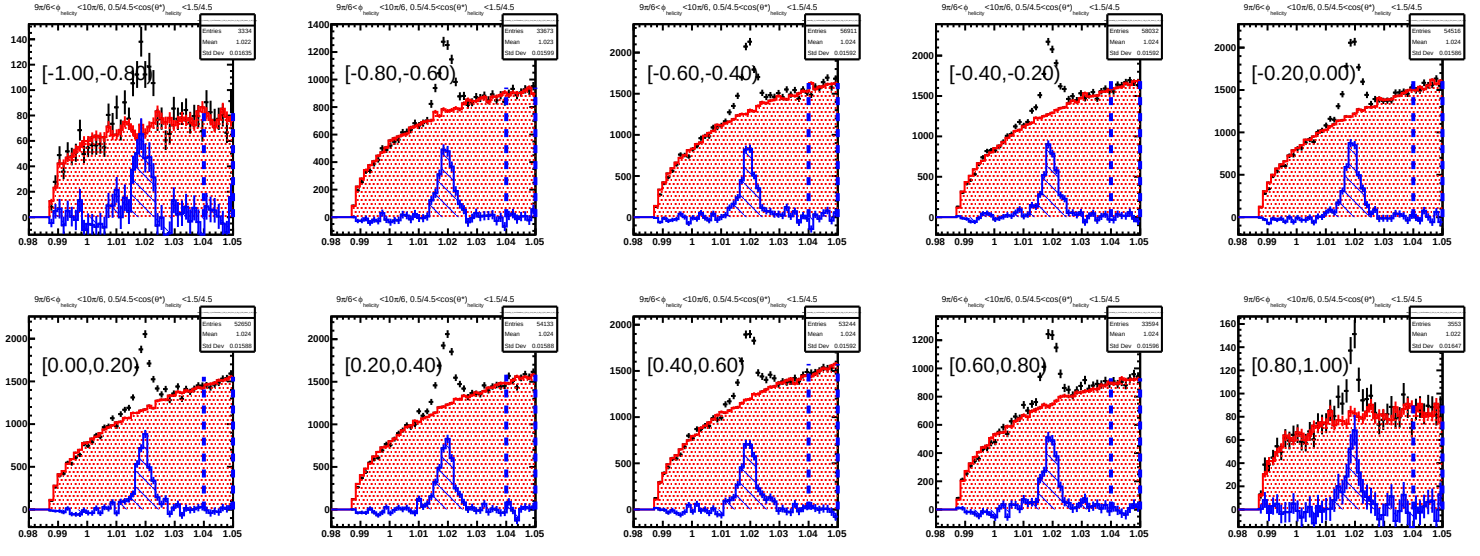

9π/6<ϕ_helicity<10π/6, -4.5/4.5<cos(θ*)_helicity<-3.5/4.5
[-1.00,-0.80)
Entries 4638
Mean 1.022
Std Dev 0.01606
[-0.80,-0.60)
Entries 36498
Mean 1.024
Std Dev 0.01592
[-0.60,-0.40)
Entries 56439
Mean 1.024
Std Dev 0.01596
[-0.40,-0.20)
Entries 55807
Mean 1.024
Std Dev 0.01591
[-0.20,0.00)
Entries 52020
Mean 1.024
Std Dev 0.01599
[0.00,0.20)
Entries 49349
Mean 1.024
Std Dev 0.01599
[0.20,0.40)
Entries 50920
Mean 1.024
Std Dev 0.01605
[0.40,0.60)
Entries 50125
Mean 1.024
Std Dev 0.01594
[0.60,0.80)
Entries 32404
Mean 1.023
Std Dev 0.01604
[0.80,1.00)
Entries 3874
Mean 1.021
Std Dev 0.01628

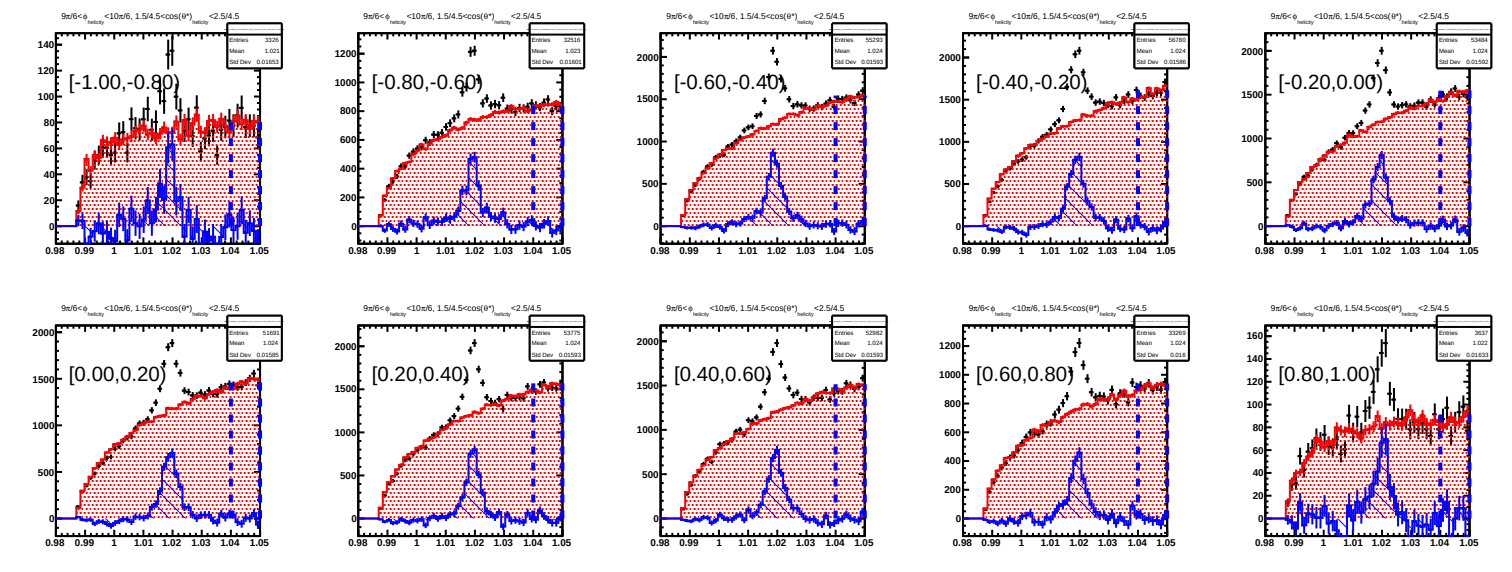

9π/6<φ_helicity<10π/6, -3.5/4.5<cos(θ*)_helicity<-2.5/4.5
[-1.00,-0.80)
Entries 4017
Mean 1.022
Std Dev 0.01611
[-0.80,-0.60)
Entries 36242
Mean 1.024
Std Dev 0.01593
[-0.60,-0.40)
Entries 58093
Mean 1.024
Std Dev 0.01592
[-0.40,-0.20)
Entries 57908
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 53444
Mean 1.024
Std Dev 0.01592
[0.00,0.20)
Entries 51223
Mean 1.024
Std Dev 0.01593
[0.20,0.40)
Entries 52686
Mean 1.024
Std Dev 0.01588
[0.40,0.60)
Entries 51762
Mean 1.024
Std Dev 0.0159
[0.60,0.80)
Entries 33821
Mean 1.023
Std Dev 0.01607
[0.80,1.00)
Entries 3525
Mean 1.021
Std Dev 0.01652

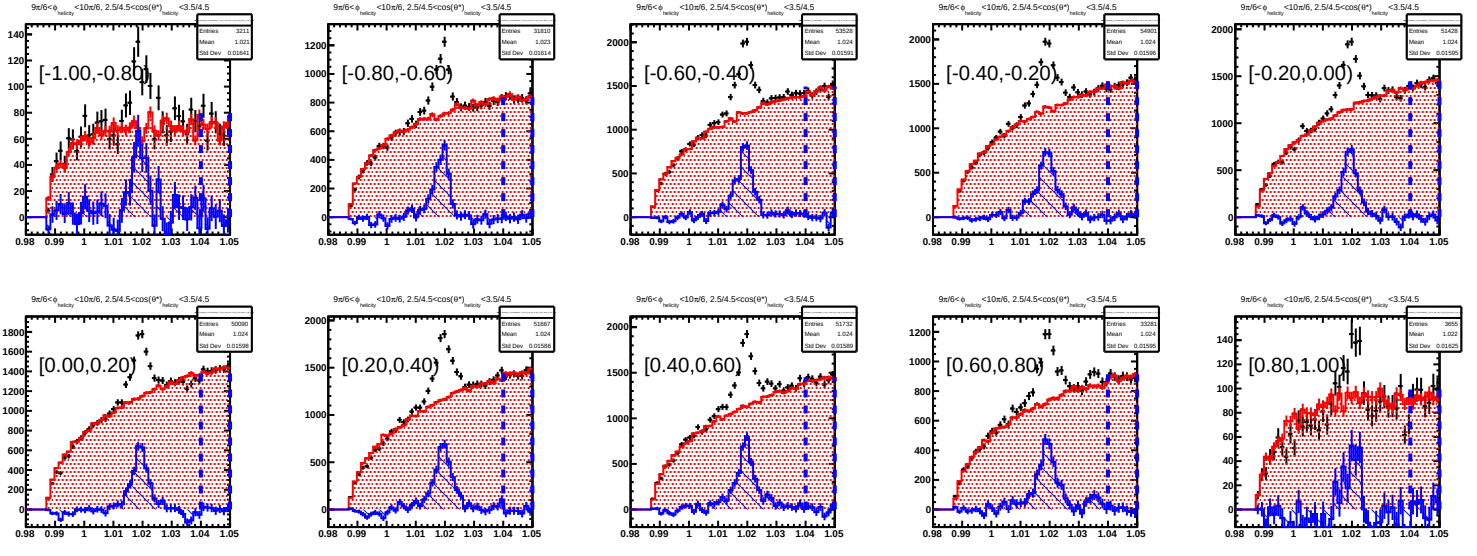

9π/6<φ_helicity<10π/6, -2.5/4.5<cos(θ*)_helicity<-1.5/4.5
[-1.00,-0.80)
Entries 3606
Mean 1.022
Std Dev 0.01619
[-0.80,-0.60)
Entries 36035
Mean 1.024
Std Dev 0.01593
[-0.60,-0.40)
Entries 58839
Mean 1.024
Std Dev 0.0159
[-0.40,-0.20)
Entries 58926
Mean 1.024
Std Dev 0.01582
[-0.20,0.00)
Entries 54816
Mean 1.024
Std Dev 0.01589
[0.00,0.20)
Entries 52573
Mean 1.024
Std Dev 0.01587
[0.20,0.40)
Entries 54027
Mean 1.024
Std Dev 0.01592
[0.40,0.60)
Entries 52918
Mean 1.024
Std Dev 0.01592
[0.60,0.80)
Entries 32332
Mean 1.023
Std Dev 0.01602
[0.80,1.00)
Entries 3553
Mean 1.022
Std Dev 0.01641

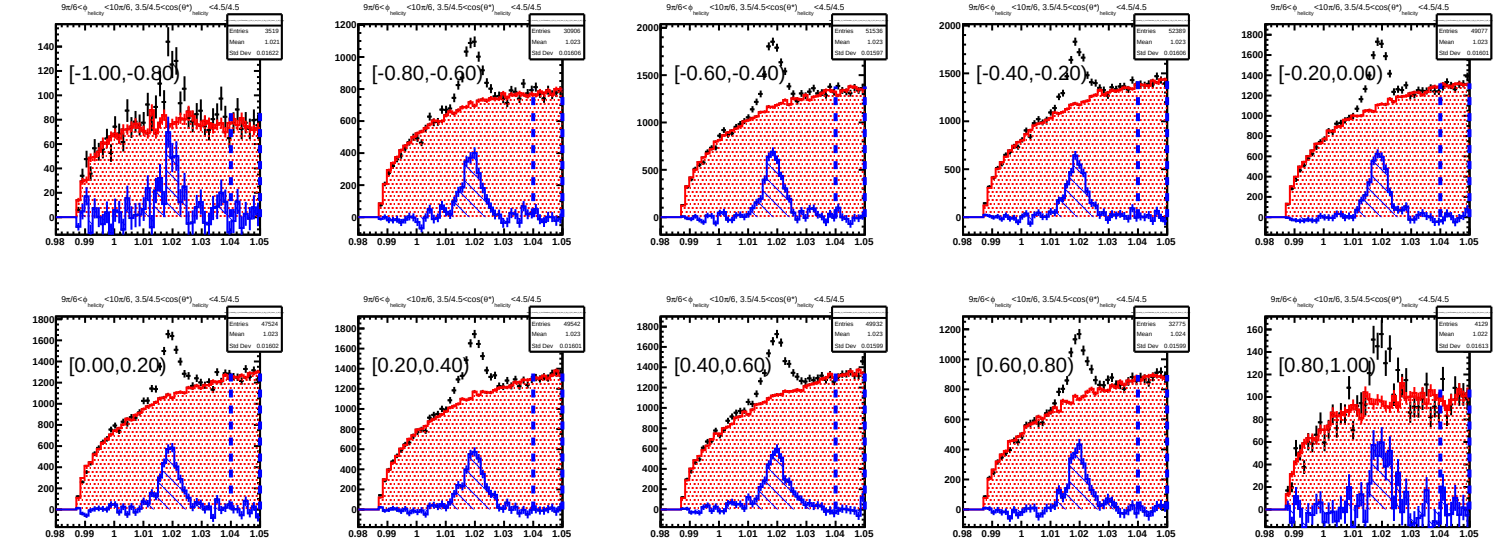

9π/6<φ_helicity<10π/6, -1.5/4.5<cos(θ*)_helicity<-0.5/4.5
[-1.00,-0.80)
Entries 3555
Mean 1.022
Std Dev 0.01624
[-0.80,-0.60)
Entries 35358
Mean 1.024
Std Dev 0.01595
[-0.60,-0.40)
Entries 58780
Mean 1.024
Std Dev 0.01583
[-0.40,-0.20)
Entries 59502
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 55529
Mean 1.024
Std Dev 0.01581
[0.00,0.20)
Entries 52972
Mean 1.024
Std Dev 0.01584
[0.20,0.40)
Entries 54468
Mean 1.024
Std Dev 0.01595
[0.40,0.60)
Entries 53219
Mean 1.024
Std Dev 0.01589
[0.60,0.80)
Entries 32604
Mean 1.024
Std Dev 0.0161
[0.80,1.00)
Entries 3421
Mean 1.022
Std Dev 0.01614

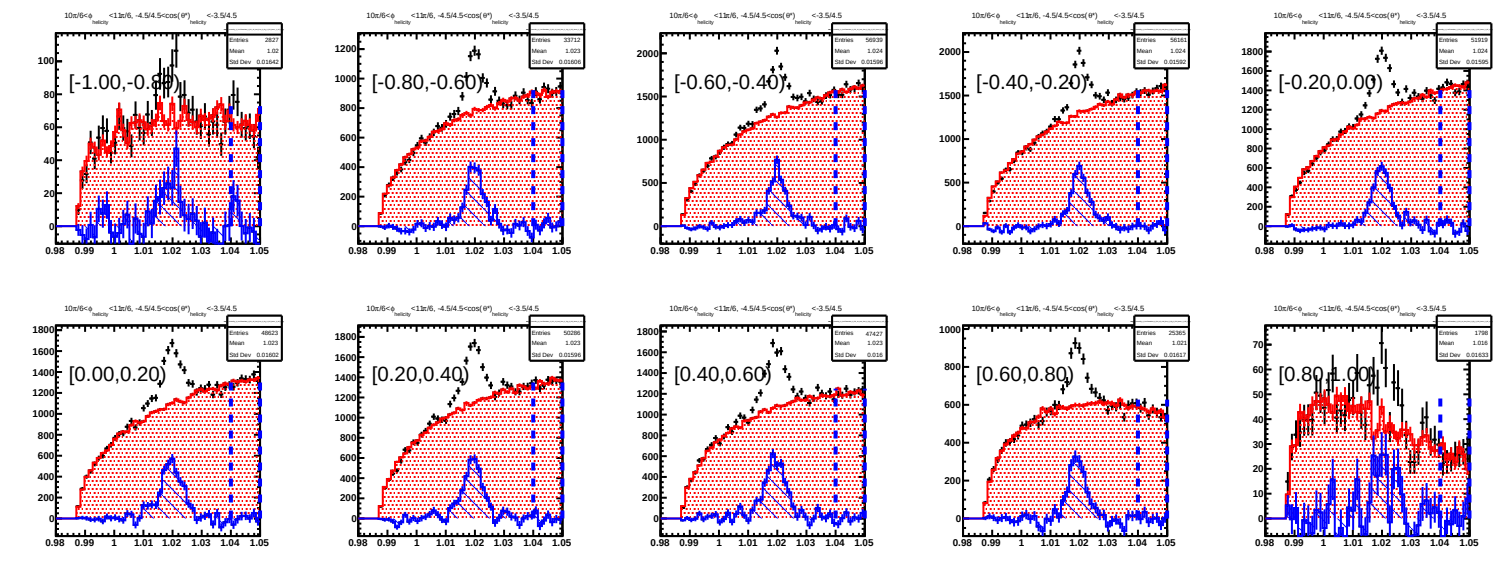

9π/6<φ_helicity<10π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 3372
Mean 1.022
Std Dev 0.01617
[-0.80,-0.60)
Entries 34289
Mean 1.023
Std Dev 0.01691
[-0.60,-0.40)
Entries 58267
Mean 1.024
Std Dev 0.01593
[-0.40,-0.20)
Entries 58922
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 55160
Mean 1.024
Std Dev 0.01587
[0.00,0.20)
Entries 52958
Mean 1.024
Std Dev 0.01588
[0.20,0.40)
Entries 54566
Mean 1.024
Std Dev 0.01592
[0.40,0.60)
Entries 54025
Mean 1.024
Std Dev 0.01585
[0.60,0.80)
Entries 33283
Mean 1.024
Std Dev 0.01588
[0.80,1.00)
Entries 3470
Mean 1.022
Std Dev 0.01639

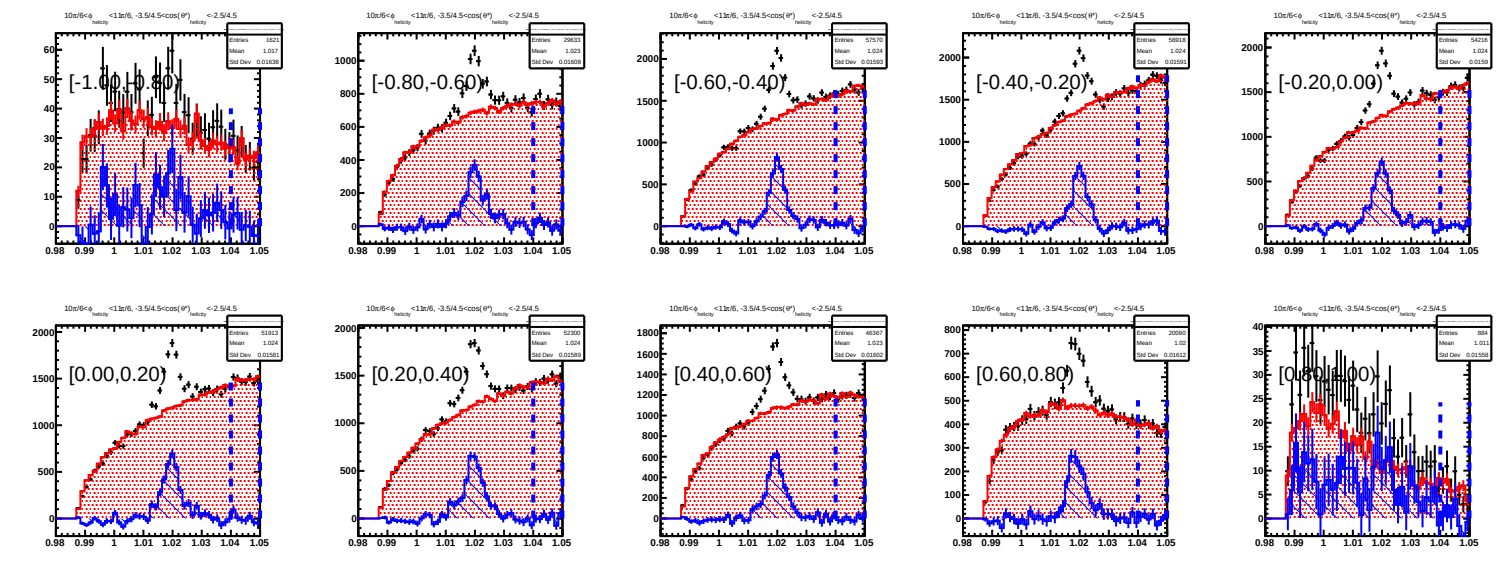

9π/6<φ_helicity<10π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
Entries 3334
Mean 1.022
Std Dev 0.01635
[-1.00,-0.80)
Entries 33673
Mean 1.023
Std Dev 0.01592
[-0.80,-0.60)
Entries 56911
Mean 1.024
Std Dev 0.01592
[-0.60,-0.40)
Entries 58032
Mean 1.024
Std Dev 0.01592
[-0.40,-0.20)
Entries 54516
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 52650
Mean 1.024
Std Dev 0.01588
[0.00,0.20)
Entries 54133
Mean 1.024
Std Dev 0.01588
[0.20,0.40)
Entries 53244
Mean 1.024
Std Dev 0.01592
[0.40,0.60)
Entries 33584
Mean 1.024
Std Dev 0.01586
[0.60,0.80)
Entries 3553
Mean 1.022
Std Dev 0.01647
[0.80,1.00)

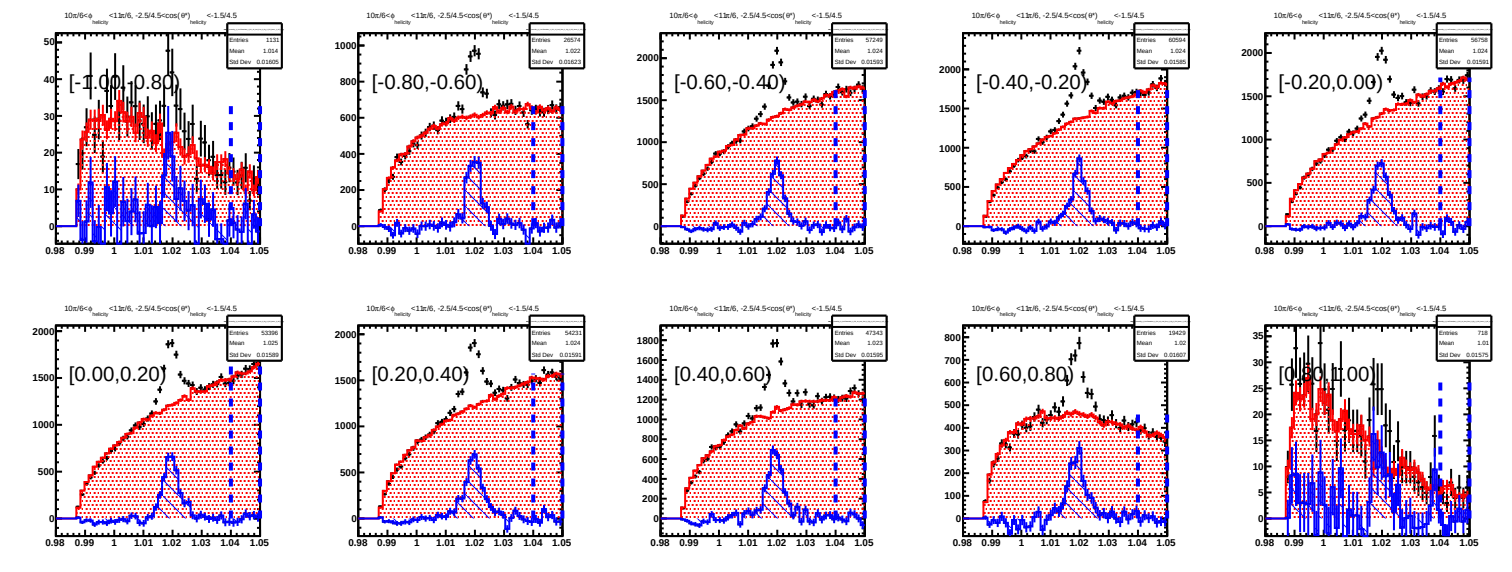

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

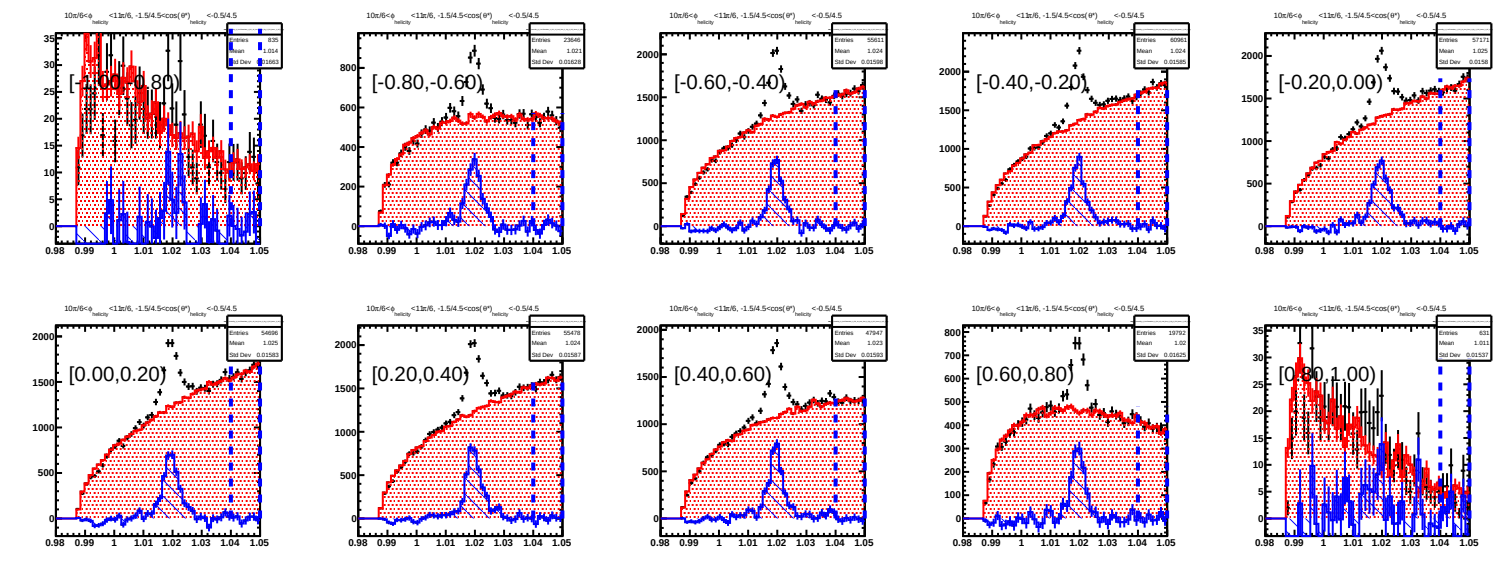

9π/6<ϕ_helicity<10π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
[-1.00,-0.80)
Entries 3211
Mean 1.021
Std Dev 0.01641
[-0.80,-0.60)
Entries 31810
Mean 1.023
Std Dev 0.01614
[-0.60,-0.40)
Entries 53528
Mean 1.024
Std Dev 0.01591
[-0.40,-0.20)
Entries 54601
Mean 1.024
Std Dev 0.01595
[-0.20,0.00)
Entries 51428
Mean 1.024
Std Dev 0.01595
[0.00,0.20)
Entries 50090
Mean 1.024
Std Dev 0.01598
[0.20,0.40)
Entries 51667
Mean 1.024
Std Dev 0.01595
[0.40,0.60)
Entries 51732
Mean 1.024
Std Dev 0.01589
[0.60,0.80)
Entries 33281
Mean 1.024
Std Dev 0.01595
[0.80,1.00)
Entries 3655
Mean 1.022
Std Dev 0.01625

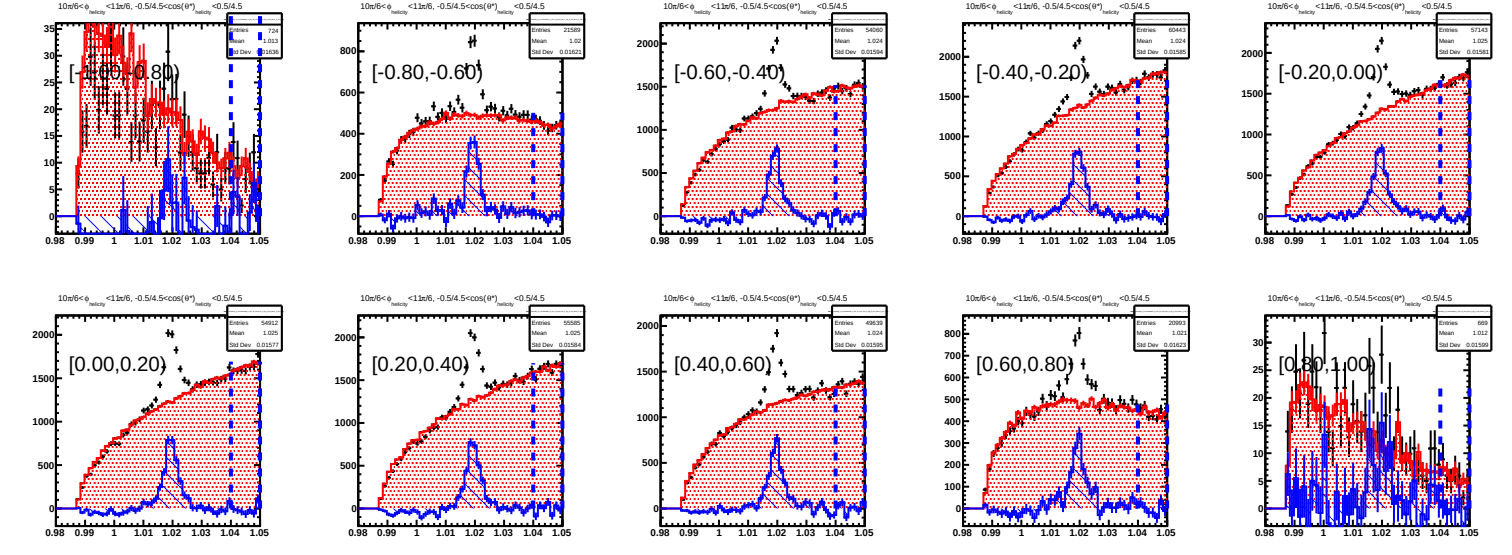

9π/6<ϕ_helicity<10π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
[-1.00,-0.80)
Entries 3519
Mean 1.021
Std Dev 0.01622
[-0.80,-0.60)
Entries 30906
Mean 1.023
Std Dev 0.01606
[-0.60,-0.40)
Entries 51538
Mean 1.023
Std Dev 0.01597
[-0.40,-0.20)
Entries 52383
Mean 1.023
Std Dev 0.01606
[-0.20,0.00)
Entries 49077
Mean 1.023
Std Dev 0.01601
[0.00,0.20)
Entries 47524
Mean 1.023
Std Dev 0.01602
[0.20,0.40)
Entries 49542
Mean 1.023
Std Dev 0.01601
[0.40,0.60)
Entries 49932
Mean 1.023
Std Dev 0.01599
[0.60,0.80)
Entries 32773
Mean 1.024
Std Dev 0.01599
[0.80,1.00)
Entries 4128
Mean 1.022
Std Dev 0.01613

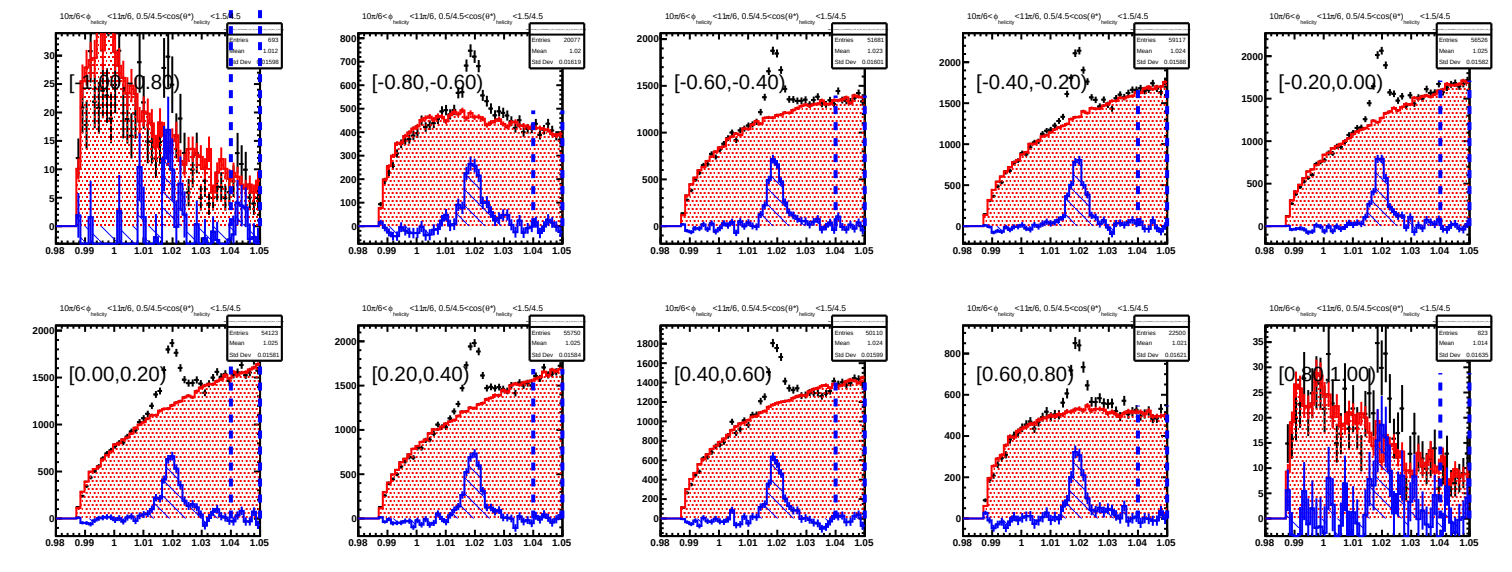

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

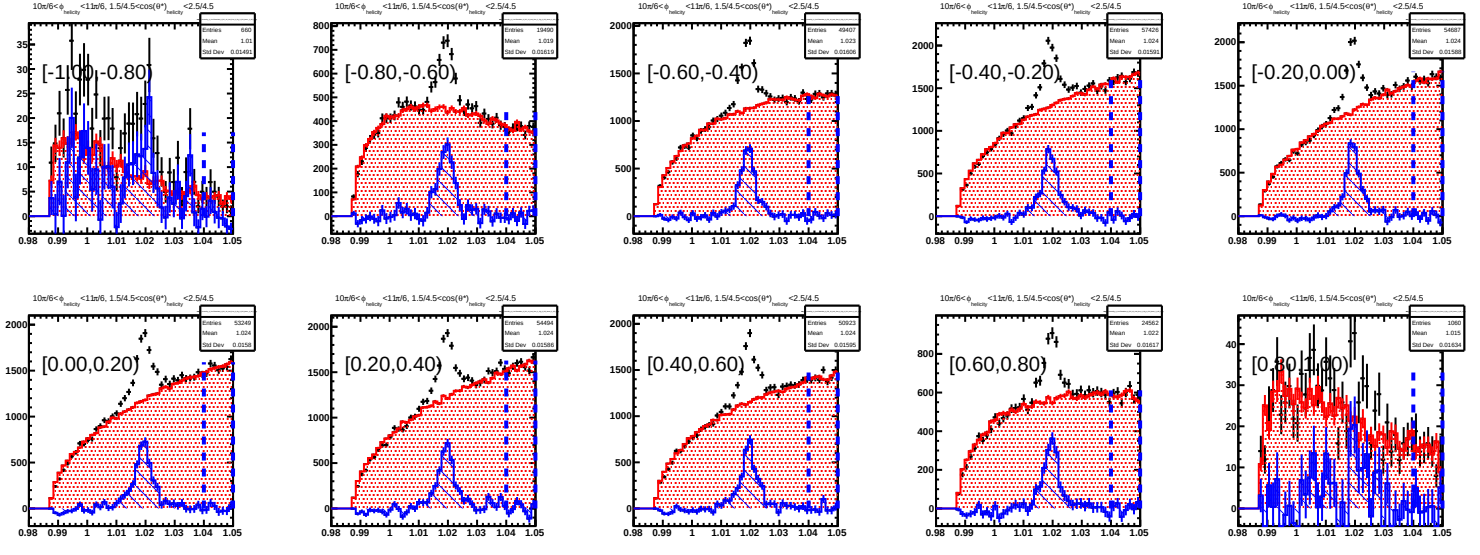

10π/6<ϕ<11π/6, -3.5/4.5<cos(θ*)<-2.5/4.5
helicity
[-1.00,-0.80)
Entries 1621
Mean 1.017
Std Dev 0.01638
[-0.80,-0.60)
Entries 29633
Mean 1.023
Std Dev 0.01608
[-0.60,-0.40)
Entries 57570
Mean 1.024
Std Dev 0.01593
[-0.40,-0.20)
Entries 58618
Mean 1.024
Std Dev 0.01591
[-0.20,0.00)
Entries 54216
Mean 1.024
Std Dev 0.0159
[0.00,0.20)
Entries 51913
Mean 1.024
Std Dev 0.01581
[0.20,0.40)
Entries 52300
Mean 1.023
Std Dev 0.01589
[0.40,0.60)
Entries 46367
Mean 1.023
Std Dev 0.01602
[0.60,0.80)
Entries 20092
Mean 1.02
Std Dev 0.01612
[0.80,1.00)
Entries 894
Mean 1.011
Std Dev 0.01559

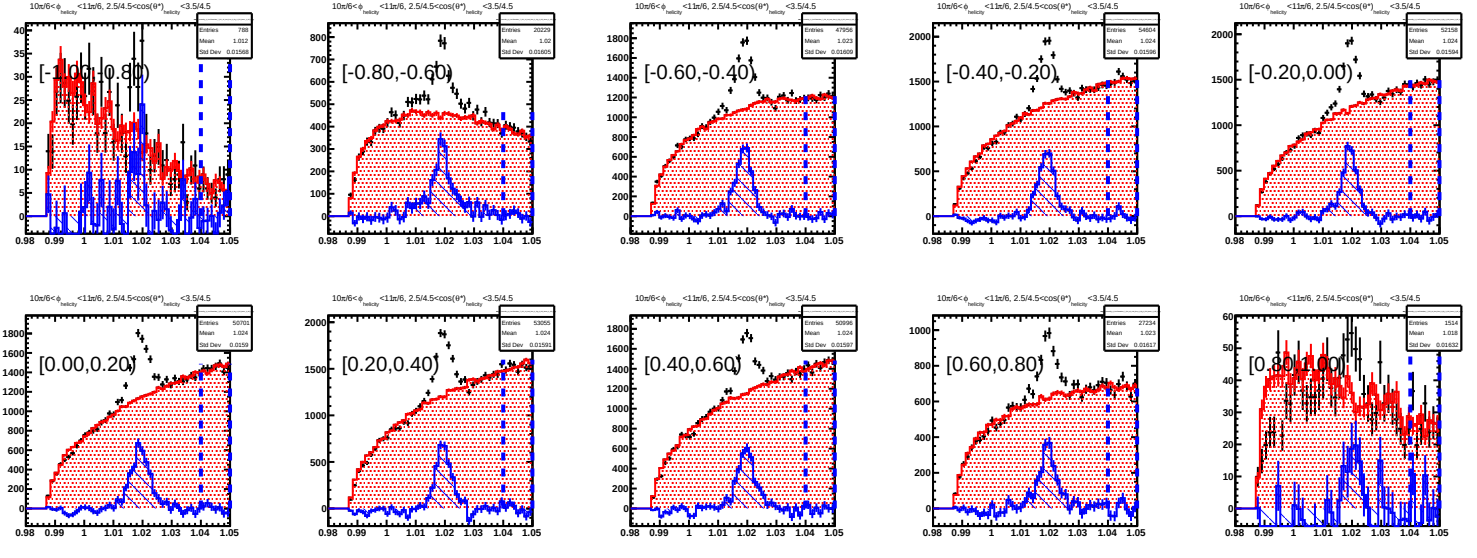

10π/6<ϕ<11π/6, -2.5/4.5<cos(θ*)<-1.5/4.5
[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

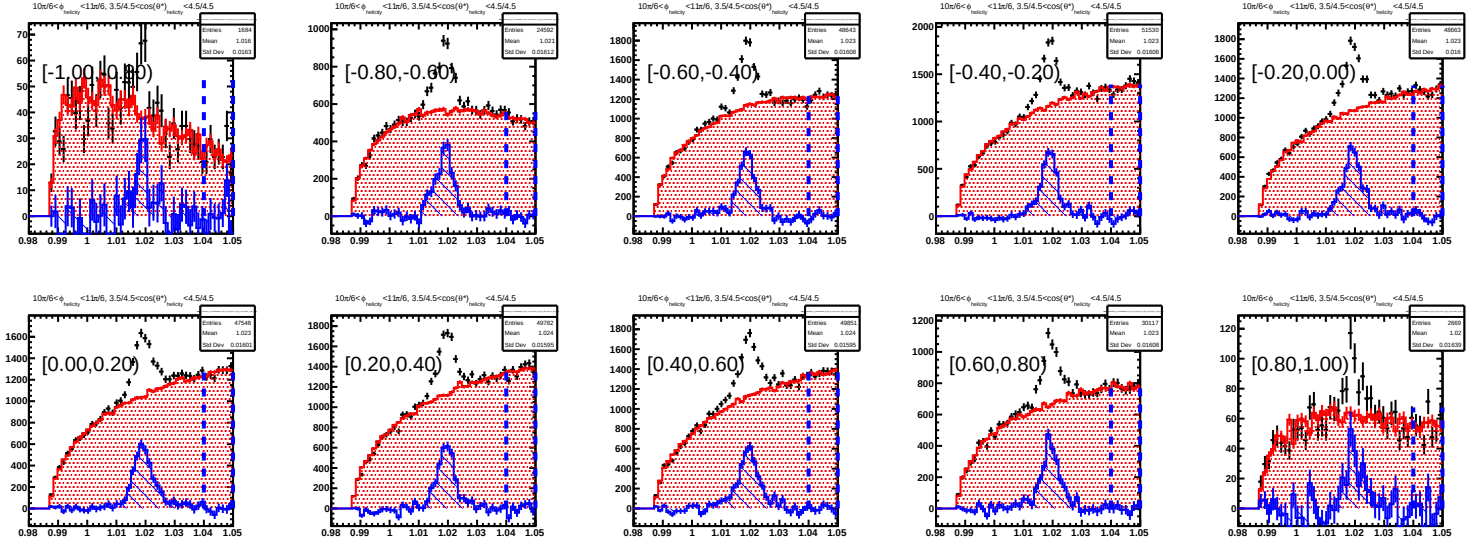

10π/6<ϕ helicity <11π/6, -1.5/4.5<cos(θ*) helicity <-0.5/4.5
[-1.00,-0.80)
Entries 835
Mean 1.014
Std Dev 0.01663
[-0.80,-0.60)
Entries 23646
Mean 1.021
Std Dev 0.01628
[-0.60,-0.40)
Entries 55611
Mean 1.024
Std Dev 0.01598
[-0.40,-0.20)
Entries 60961
Mean 1.024
Std Dev 0.01585
[-0.20,0.00)
Entries 57171
Mean 1.025
Std Dev 0.0158
[0.00,0.20)
Entries 54696
Mean 1.025
Std Dev 0.01583
[0.20,0.40)
Entries 55478
Mean 1.024
Std Dev 0.01587
[0.40,0.60)
Entries 47947
Mean 1.023
Std Dev 0.01593
[0.60,0.80)
Entries 19792
Mean 1.02
Std Dev 0.01625
[0.80,1.00)
Entries 831
Mean 1.011
Std Dev 0.01537

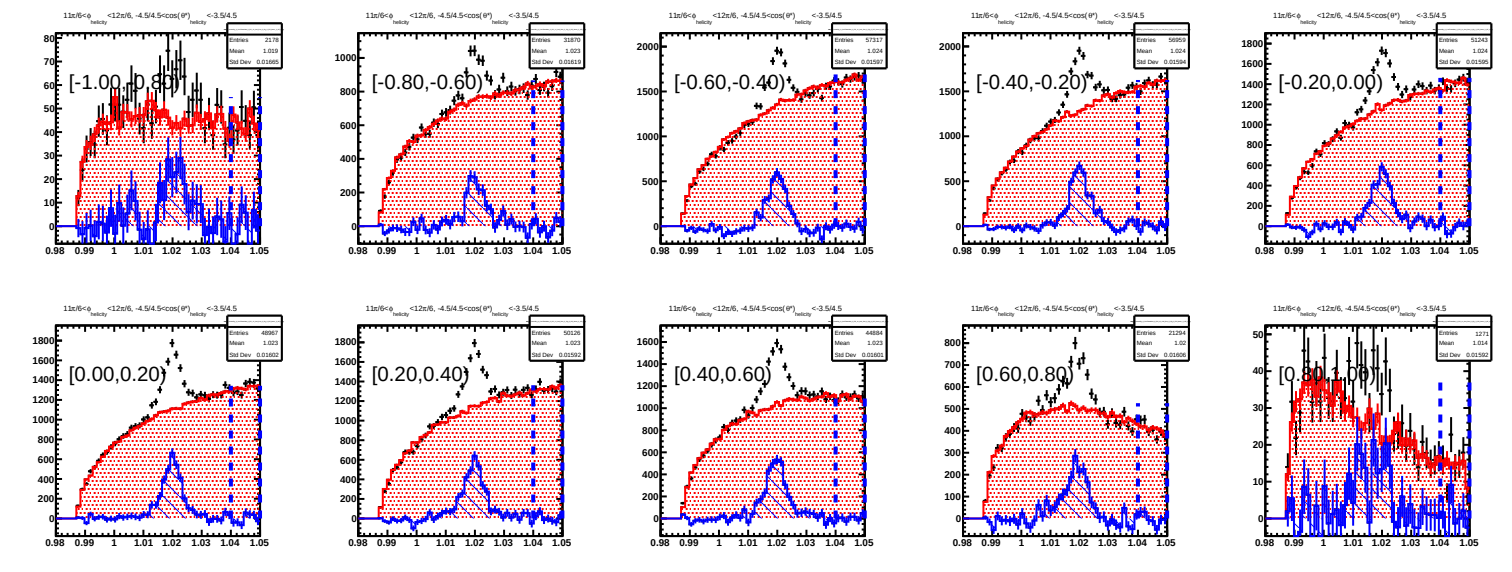

10π/6<φ_helicity<11π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 724
Mean 1.013
Std Dev 0.01636
[-0.80,-0.60)
Entries 21580
Mean 1.02
Std Dev 0.01621
[-0.60,-0.40)
Entries 54060
Mean 1.024
Std Dev 0.01594
[-0.40,-0.20)
Entries 65443
Mean 1.024
Std Dev 0.01585
[-0.20,0.00)
Entries 57143
Mean 1.025
Std Dev 0.01581
[0.00,0.20)
Entries 54912
Mean 1.025
Std Dev 0.01577
[0.20,0.40)
Entries 55585
Mean 1.025
Std Dev 0.01584
[0.40,0.60)
Entries 49639
Mean 1.024
Std Dev 0.01595
[0.60,0.80)
Entries 20993
Mean 1.031
Std Dev 0.01623
[0.80,1.00)
Entries 668
Mean 1.012
Std Dev 0.01509

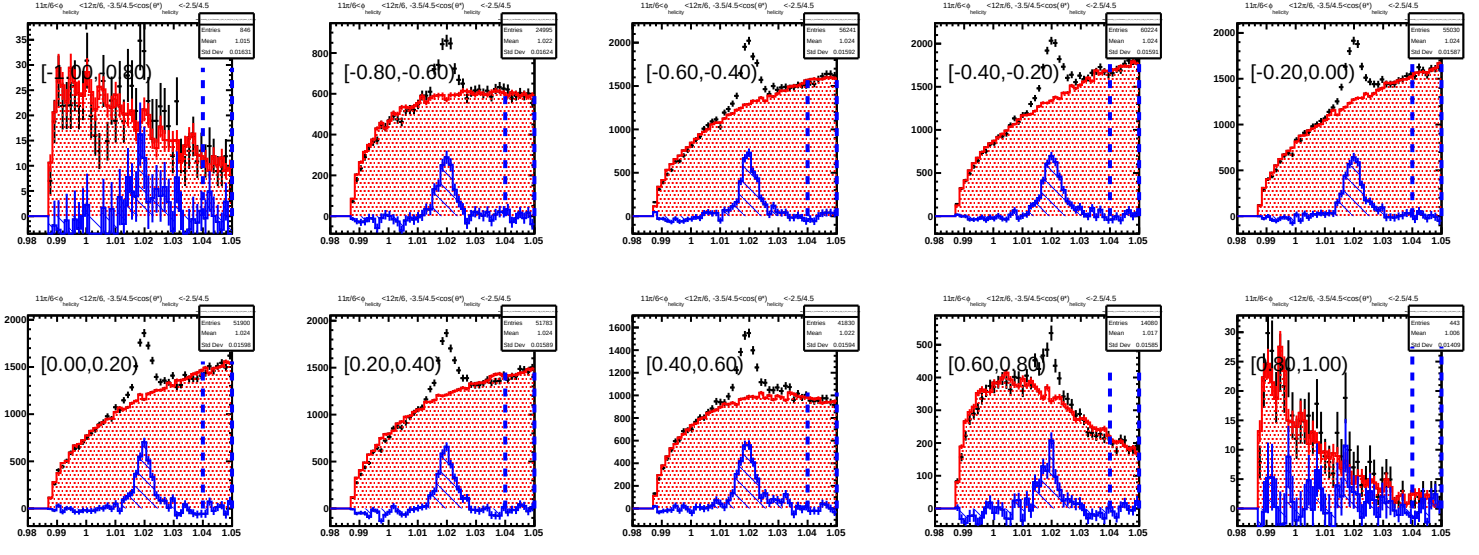

10π/6<φ_helicity<11π/6, 0.5/4.5<cos(θ*)_helicity<1.5/4.5
[-1.00,-0.80)
Entries 693
Mean 1.012
Std Dev 0.01598
[-0.80,-0.60)
Entries 20077
Mean 1.02
Std Dev 0.01619
[-0.60,-0.40)
Entries 51683
Mean 1.023
Std Dev 0.01601
[-0.40,-0.20)
Entries 59117
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 58526
Mean 1.025
Std Dev 0.01582
[0.00,0.20)
Entries 54123
Mean 1.025
Std Dev 0.01581
[0.20,0.40)
Entries 55750
Mean 1.025
Std Dev 0.01584
[0.40,0.60)
Entries 50110
Mean 1.024
Std Dev 0.01599
[0.60,0.80)
Entries 22503
Mean 1.031
Std Dev 0.01601
[0.80,1.00)
Entries 823
Mean 1.014
Std Dev 0.01635

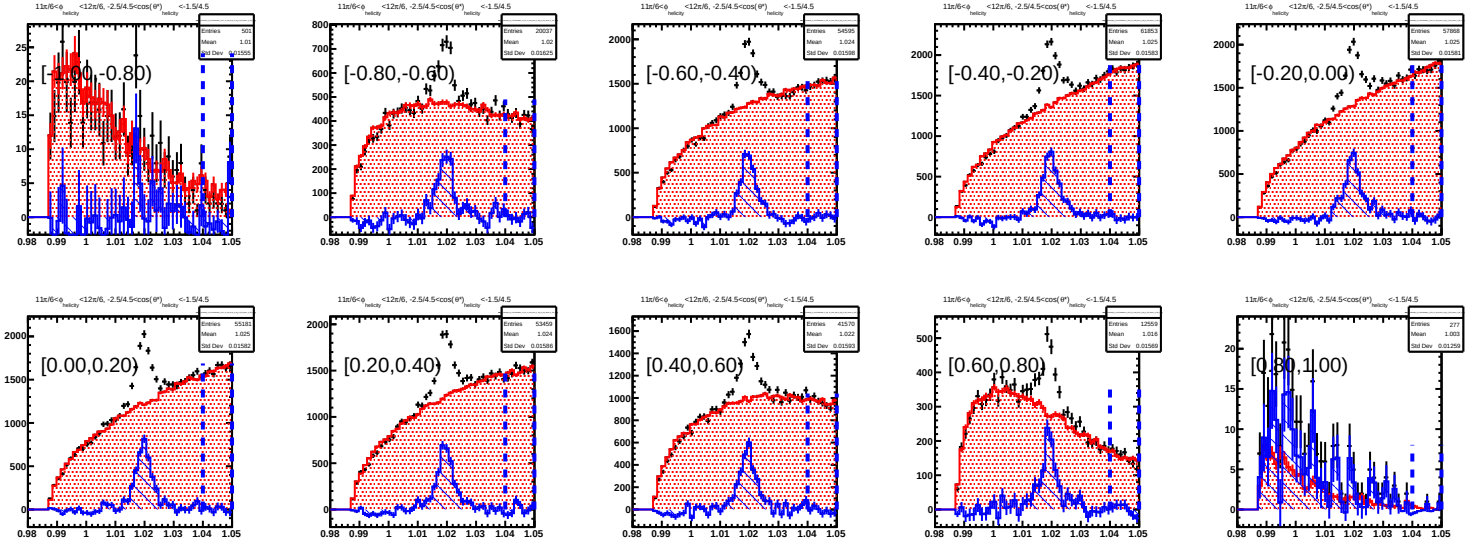

10π/6<φ_helicity<11π/6, 1.5/4.5<cos(θ*)_helicity<2.5/4.5
[-1.00,-0.80)
Entries 660
Mean 1.01
Std Dev 0.01491
[-0.80,-0.60)
Entries 19460
Mean 1.019
Std Dev 0.01619
[-0.60,-0.40)
Entries 49407
Mean 1.023
Std Dev 0.01606
[-0.40,-0.20)
Entries 57426
Mean 1.024
Std Dev 0.01591
[-0.20,0.00)
Entries 54687
Mean 1.024
Std Dev 0.01589
[0.00,0.20)
Entries 53249
Mean 1.024
Std Dev 0.0158
[0.20,0.40)
Entries 54494
Mean 1.024
Std Dev 0.01598
[0.40,0.60)
Entries 50923
Mean 1.024
Std Dev 0.01595
[0.60,0.80)
Entries 24562
Mean 1.022
Std Dev 0.01617
[0.80,1.00)
Entries 1060
Mean 1.015
Std Dev 0.01634

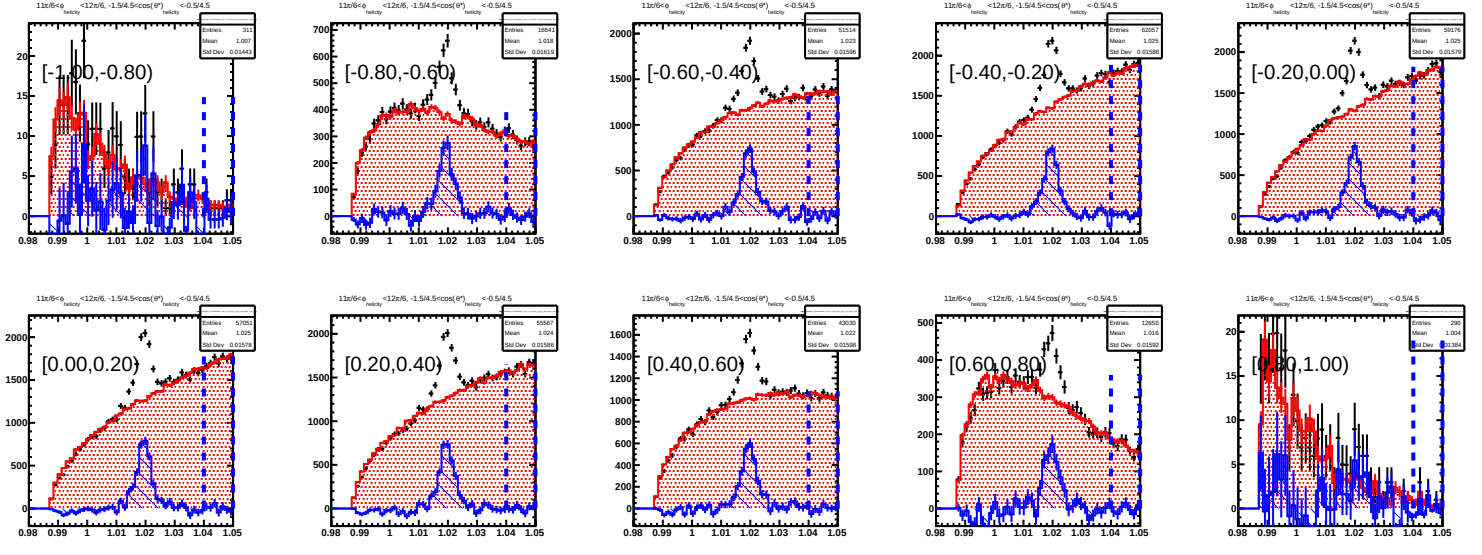

10π/6<φ_helicity<11π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
[-1.00,-0.80)
Entries 788
Mean 1.012
Std Dev 0.01568
[-0.80,-0.60)
Entries 20229
Mean 1.02
Std Dev 0.01605
[-0.60,-0.40)
Entries 47958
Mean 1.023
Std Dev 0.01609
[-0.40,-0.20)
Entries 54604
Mean 1.024
Std Dev 0.01598
[-0.20,0.00)
Entries 52158
Mean 1.024
Std Dev 0.01594
[0.00,0.20)
Entries 50701
Mean 1.024
Std Dev 0.0159
[0.20,0.40)
Entries 53055
Mean 1.024
Std Dev 0.01591
[0.40,0.60)
Entries 50996
Mean 1.024
Std Dev 0.01597
[0.60,0.80)
Entries 27224
Mean 1.023
Std Dev 0.01617
[0.80,1.00)
Entries 1514
Mean 1.018
Std Dev 0.01632

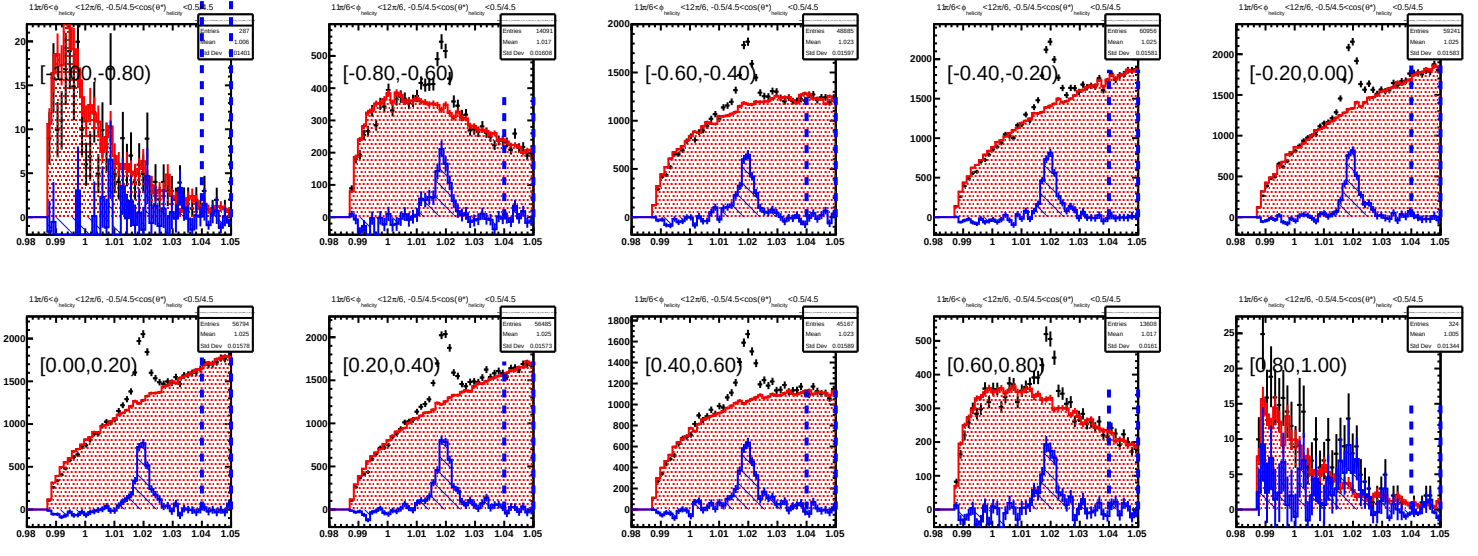

10π/6<φ_helicity<11π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
[-1.00,-0.80)
Entries 1684
Mean 1.016
Std Dev 0.0163
[-0.80,-0.60)
Entries 24562
Mean 1.021
Std Dev 0.01612
[-0.60,-0.40)
Entries 48643
Mean 1.023
Std Dev 0.01608
[-0.40,-0.20)
Entries 51530
Mean 1.023
Std Dev 0.01608
[-0.20,0.00)
Entries 48662
Mean 1.023
Std Dev 0.016
[0.00,0.20)
Entries 47548
Mean 1.023
Std Dev 0.01601
[0.20,0.40)
Entries 49782
Mean 1.024
Std Dev 0.01595
[0.40,0.60)
Entries 49851
Mean 1.024
Std Dev 0.01595
[0.60,0.80)
Entries 30117
Mean 1.023
Std Dev 0.01608
[0.80,1.00)
Entries 2668
Mean 1.02
Std Dev 0.01639

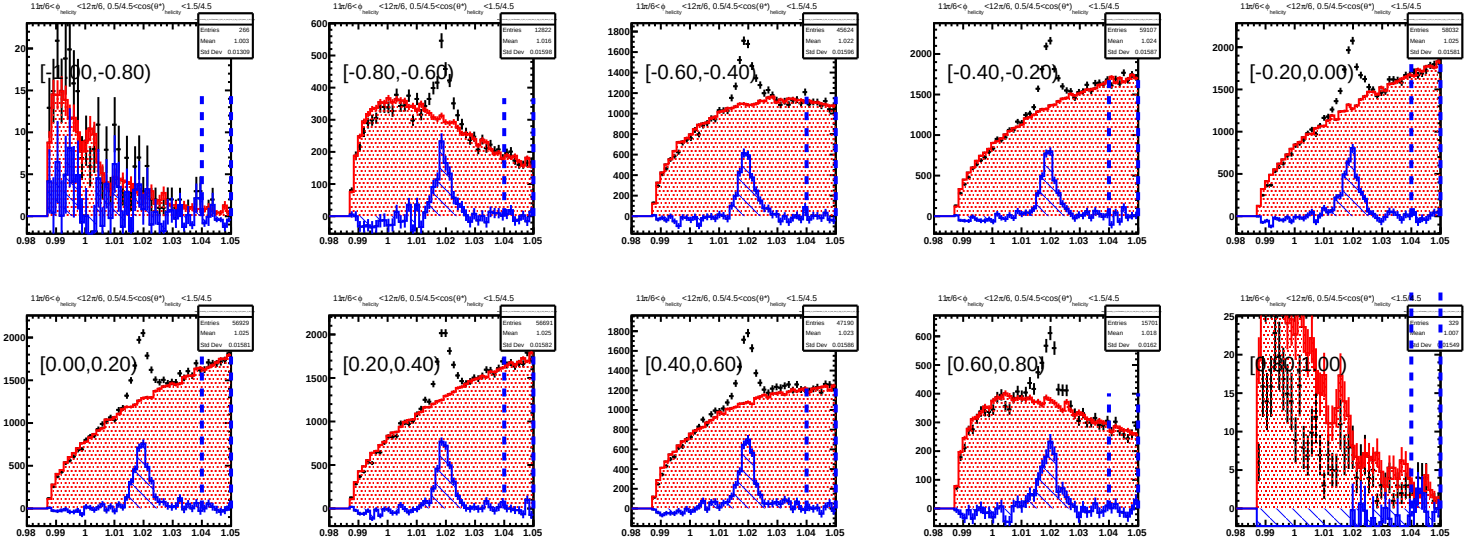

11π/6<φ_helicity <12π/6, -4.5/4.5<cos(θ*)_helicity <-3.5/4.5
[-1.00,-0.80)
Entries 2178
Mean 1.019
Std Dev 0.01665
[-0.80,-0.60)
Entries 31870
Mean 1.023
Std Dev 0.01619
[-0.60,-0.40)
Entries 57317
Mean 1.024
Std Dev 0.01597
[-0.40,-0.20)
Entries 56953
Mean 1.024
Std Dev 0.01594
[-0.20,0.00)
Entries 51243
Mean 1.024
Std Dev 0.01595
[0.00,0.20)
Entries 48957
Mean 1.023
Std Dev 0.01602
[0.20,0.40)
Entries 50126
Mean 1.023
Std Dev 0.01592
[0.40,0.60)
Entries 44894
Mean 1.023
Std Dev 0.01603
[0.60,0.80)
Entries 21284
Mean 1.02
Std Dev 0.01606
[0.80,1.00)
Entries 1271
Mean 1.014
Std Dev 0.01592

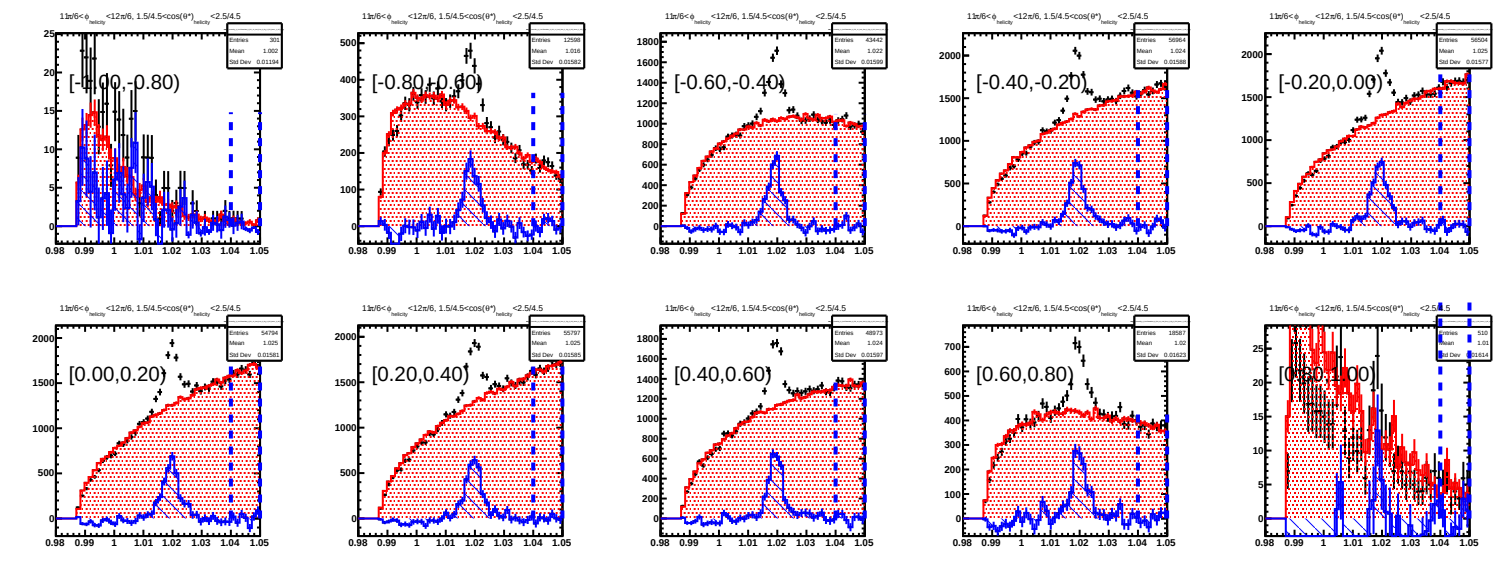

11π/6<φ_helicity<12π/6, -3.5/4.5<cos(θ*)_helicity<-2.5/4.5
Entries 846
Mean 1.015
Std Dev 0.01631
[-1.00,-0.80)
Entries 24995
Mean 1.022
Std Dev 0.01624
[-0.80,-0.60)
Entries 56243
Mean 1.024
Std Dev 0.01592
[-0.60,-0.40)
Entries 65224
Mean 1.024
Std Dev 0.01591
[-0.40,-0.20)
Entries 55030
Mean 1.024
Std Dev 0.01587
[-0.20,0.00)
Entries 51900
Mean 1.024
Std Dev 0.01598
[0.00,0.20)
Entries 51783
Mean 1.024
Std Dev 0.01589
[0.20,0.40)
Entries 41830
Mean 1.022
Std Dev 0.01594
[0.40,0.60)
Entries 14083
Mean 1.017
Std Dev 0.01585
[0.60,0.80)
Entries 443
Mean 1.006
Std Dev 0.01409
[0.80,1.00)

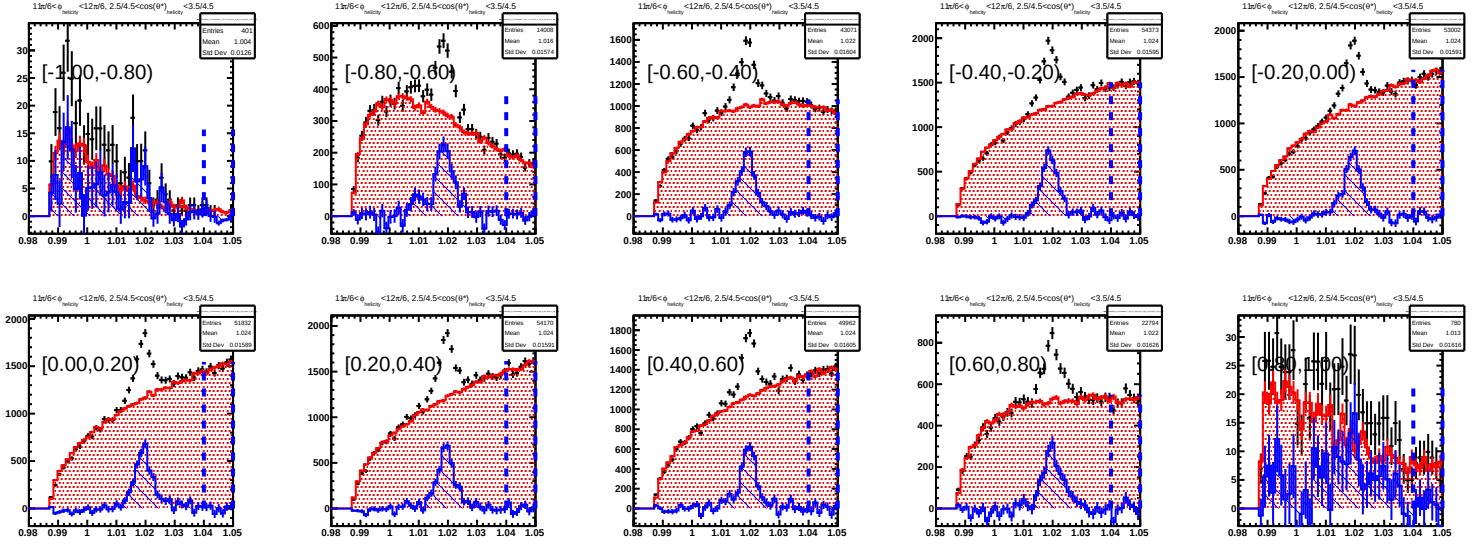

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)

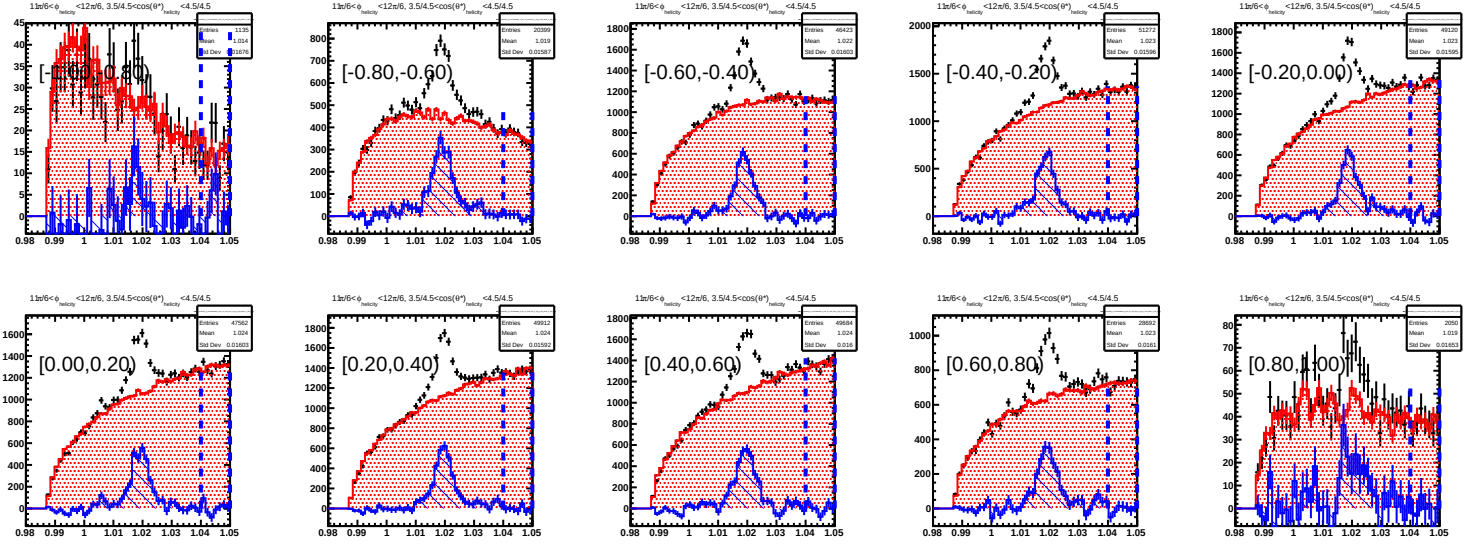

[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


11π/6<φ_helicity<12π/6, -0.5/4.5<cos(θ*)_helicity<0.5/4.5
[-1.00,-0.80)
Entries 287
Mean 1.006
Std Dev 0.01401
[-0.80,-0.60)
Entries 14091
Mean 1.017
Std Dev 0.01608
[-0.60,-0.40)
Entries 48895
Mean 1.023
Std Dev 0.01597
[-0.40,-0.20)
Entries 60958
Mean 1.025
Std Dev 0.01581
[-0.20,0.00)
Entries 59241
Mean 1.025
Std Dev 0.01583
[0.00,0.20)
Entries 56794
Mean 1.025
Std Dev 0.01578
[0.20,0.40)
Entries 56485
Mean 1.023
Std Dev 0.01573
[0.40,0.60)
Entries 45167
Mean 1.023
Std Dev 0.01589
[0.60,0.80)
Entries 13608
Mean 1.017
Std Dev 0.0161
[0.80,1.00)
Entries 324
Mean 1.005
Std Dev 0.01344


11π/6<φ<12π/6, 0.5/4.5<cos(θ*)<1.5/4.5
[-1.00,-0.80)
[-0.80,-0.60)
[-0.60,-0.40)
[-0.40,-0.20)
[-0.20,0.00)
[0.00,0.20)
[0.20,0.40)
[0.40,0.60)
[0.60,0.80)
[0.80,1.00)


11π/6<φ_helicity<12π/6, 1.5/4.5<cos(θ*)_helicity<2.5/4.5
[-1.00,-0.80)
Entries 301
Mean 1.002
Std Dev 0.01194
[-0.80,-0.60)
Entries 12598
Mean 1.016
Std Dev 0.01592
[-0.60,-0.40)
Entries 43442
Mean 1.022
Std Dev 0.01596
[-0.40,-0.20)
Entries 56964
Mean 1.024
Std Dev 0.01588
[-0.20,0.00)
Entries 58504
Mean 1.025
Std Dev 0.01577
[0.00,0.20)
Entries 54794
Mean 1.025
Std Dev 0.01581
[0.20,0.40)
Entries 55797
Mean 1.025
Std Dev 0.01585
[0.40,0.60)
Entries 48973
Mean 1.024
Std Dev 0.01597
[0.60,0.80)
Entries 18587
Mean 1.02
Std Dev 0.01623
[0.80,1.00)
Entries 516
Mean 1.01
Std Dev 0.01614


11π/6<φ_helicity<12π/6, 2.5/4.5<cos(θ*)_helicity<3.5/4.5
[-1.00,-0.80)
Entries 401
Mean 1.004
Std Dev 0.0126
[-0.80,-0.60)
Entries 14008
Mean 1.016
Std Dev 0.01574
[-0.60,-0.40)
Entries 43071
Mean 1.022
Std Dev 0.01604
[-0.40,-0.20)
Entries 54373
Mean 1.024
Std Dev 0.01595
[-0.20,0.00)
Entries 53002
Mean 1.024
Std Dev 0.01591
[0.00,0.20)
Entries 51832
Mean 1.024
Std Dev 0.01589
[0.20,0.40)
Entries 54170
Mean 1.024
Std Dev 0.01591
[0.40,0.60)
Entries 49962
Mean 1.024
Std Dev 0.01605
[0.60,0.80)
Entries 22764
Mean 1.022
Std Dev 0.01626
[0.80,1.00)
Entries 780
Mean 1.013
Std Dev 0.01616


11π/6<φ_helicity<12π/6, 3.5/4.5<cos(θ*)_helicity<4.5/4.5
[-1.00,-0.80)
Entries 1135
Mean 1.014
Std Dev 0.01676
[-0.80,-0.60)
Entries 20399
Mean 1.019
Std Dev 0.01597
[-0.60,-0.40)
Entries 46423
Mean 1.022
Std Dev 0.01603
[-0.40,-0.20)
Entries 51272
Mean 1.023
Std Dev 0.01598
[-0.20,0.00)
Entries 49120
Mean 1.023
Std Dev 0.01595
[0.00,0.20)
Entries 47562
Mean 1.024
Std Dev 0.01603
[0.20,0.40)
Entries 49912
Mean 1.024
Std Dev 0.01592
[0.40,0.60)
Entries 49684
Mean 1.024
Std Dev 0.016
[0.60,0.80)
Entries 28692
Mean 1.023
Std Dev 0.0161
[0.80,1.00)
Entries 2050
Mean 1.019
Std Dev 0.01653