

Hicham ATMANI

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March 4, 2019

Mass Distribution : 20 80000 100000

Template : /sps/atlas/h/hatmani/Extrapolation/source17/5Intervals/MC16d-4.root

Events : 3798719

Data : /sps/atlas/h/hatmani/Extrapolation/source17/5Intervals/data17-4.root

Events : 3229398

Variable1 : el1_etaCalo

Fit Method : 2

nUseEl : 6

nEventCut : 10

Selection :

Contents

1	Results	5	16 ChiMatrix_4_4	20
2	ChiMatrix_0_0	6	17 ChiMatrix_5_0	21
3	ChiMatrix_1_0	7	18 ChiMatrix_5_1	22
4	ChiMatrix_1_1	8	19 ChiMatrix_5_2	23
5	ChiMatrix_2_0	9	20 ChiMatrix_5_3	24
6	ChiMatrix_2_1	10	21 ChiMatrix_5_4	25
7	ChiMatrix_2_2	11	22 ChiMatrix_5_5	26
8	ChiMatrix_3_0	12	23 ChiMatrix_6_0	27
9	ChiMatrix_3_1	13	24 ChiMatrix_6_1	28
10	ChiMatrix_3_2	14	25 ChiMatrix_6_2	29
11	ChiMatrix_3_3	15	26 ChiMatrix_6_3	30
12	ChiMatrix_4_0	16	27 ChiMatrix_6_4	31
13	ChiMatrix_4_1	17	28 ChiMatrix_6_5	32
14	ChiMatrix_4_2	18	29 ChiMatrix_6_6	33
15	ChiMatrix_4_3	19	30 ChiMatrix_7_1	34

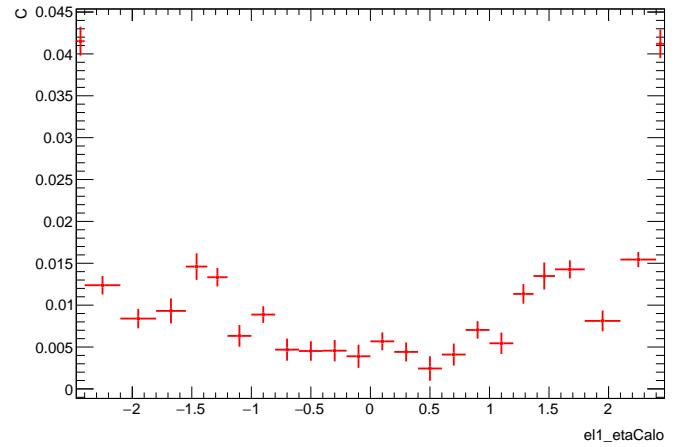
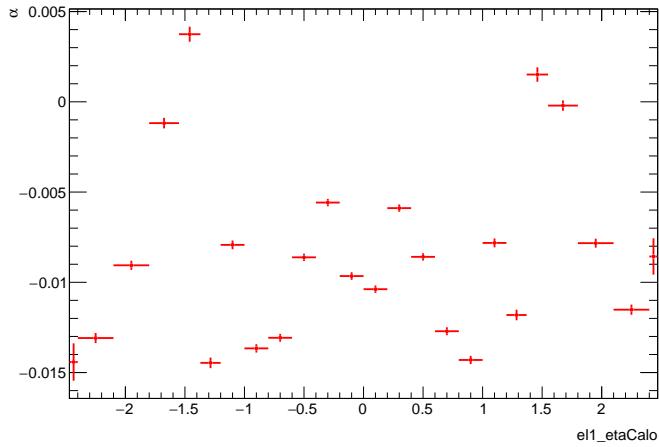
31 ChiMatrix_7_2	35 60 ChiMatrix_11_4	64
32 ChiMatrix_7_3	36 61 ChiMatrix_11_5	65
33 ChiMatrix_7_4	37 62 ChiMatrix_11_6	66
34 ChiMatrix_7_5	38 63 ChiMatrix_11_7	67
35 ChiMatrix_7_6	39 64 ChiMatrix_11_8	68
36 ChiMatrix_7_7	40 65 ChiMatrix_11_9	69
37 ChiMatrix_8_2	41 66 ChiMatrix_11_10	70
38 ChiMatrix_8_3	42 67 ChiMatrix_11_11	71
39 ChiMatrix_8_4	43 68 ChiMatrix_12_5	72
40 ChiMatrix_8_5	44 69 ChiMatrix_12_6	73
41 ChiMatrix_8_6	45 70 ChiMatrix_12_7	74
42 ChiMatrix_8_7	46 71 ChiMatrix_12_8	75
43 ChiMatrix_8_8	47 72 ChiMatrix_12_9	76
44 ChiMatrix_9_2	48 73 ChiMatrix_12_10	77
45 ChiMatrix_9_3	49 74 ChiMatrix_12_11	78
46 ChiMatrix_9_4	50 75 ChiMatrix_12_12	79
47 ChiMatrix_9_5	51 76 ChiMatrix_13_6	80
48 ChiMatrix_9_6	52 77 ChiMatrix_13_7	81
49 ChiMatrix_9_7	53 78 ChiMatrix_13_8	82
50 ChiMatrix_9_8	54 79 ChiMatrix_13_9	83
51 ChiMatrix_9_9	55 80 ChiMatrix_13_10	84
52 ChiMatrix_10_3	56 81 ChiMatrix_13_11	85
53 ChiMatrix_10_4	57 82 ChiMatrix_13_12	86
54 ChiMatrix_10_5	58 83 ChiMatrix_13_13	87
55 ChiMatrix_10_6	59 84 ChiMatrix_14_7	88
56 ChiMatrix_10_7	60 85 ChiMatrix_14_8	89
57 ChiMatrix_10_8	61 86 ChiMatrix_14_9	90
58 ChiMatrix_10_9	62 87 ChiMatrix_14_10	91
59 ChiMatrix_10_10	63 88 ChiMatrix_14_11	92

89 ChiMatrix_14_12	93 118ChiMatrix_18_13	122
90 ChiMatrix_14_13	94 119ChiMatrix_18_14	123
91 ChiMatrix_14_14	95 120ChiMatrix_18_15	124
92 ChiMatrix_15_8	96 121ChiMatrix_18_16	125
93 ChiMatrix_15_9	97 122ChiMatrix_18_17	126
94 ChiMatrix_15_10	98 123ChiMatrix_18_18	127
95 ChiMatrix_15_11	99 124ChiMatrix_19_12	128
96 ChiMatrix_15_12	100 125ChiMatrix_19_13	129
97 ChiMatrix_15_13	101 126ChiMatrix_19_14	130
98 ChiMatrix_15_14	102 127ChiMatrix_19_15	131
99 ChiMatrix_15_15	103 128ChiMatrix_19_16	132
100ChiMatrix_16_9	104 129ChiMatrix_19_17	133
101ChiMatrix_16_10	105 130ChiMatrix_19_18	134
102ChiMatrix_16_11	106 131ChiMatrix_19_19	135
103ChiMatrix_16_12	107 132ChiMatrix_20_13	136
104ChiMatrix_16_13	108 133ChiMatrix_20_14	137
105ChiMatrix_16_14	109 134ChiMatrix_20_15	138
106ChiMatrix_16_15	110 135ChiMatrix_20_16	139
107ChiMatrix_16_16	111 136ChiMatrix_20_17	140
108ChiMatrix_17_10	112 137ChiMatrix_20_18	141
109ChiMatrix_17_11	113 138ChiMatrix_20_19	142
110ChiMatrix_17_12	114 139ChiMatrix_20_20	143
111ChiMatrix_17_13	115 140ChiMatrix_21_14	144
112ChiMatrix_17_14	116 141ChiMatrix_21_15	145
113ChiMatrix_17_15	117 142ChiMatrix_21_16	146
114ChiMatrix_17_16	118 143ChiMatrix_21_17	147
115ChiMatrix_17_17	119 144ChiMatrix_21_18	148
116ChiMatrix_18_11	120 145ChiMatrix_21_19	149
117ChiMatrix_18_12	121 146ChiMatrix_21_20	150

147ChiMatrix_21_21	151	155ChiMatrix_23_17	159
148ChiMatrix_22_16	152	156ChiMatrix_23_18	160
149ChiMatrix_22_17	153	157ChiMatrix_23_19	161
150ChiMatrix_22_18	154	158ChiMatrix_23_20	162
151ChiMatrix_22_19	155		
152ChiMatrix_22_20	156	159ChiMatrix_23_21	163
153ChiMatrix_22_21	157	160ChiMatrix_23_22	164
154ChiMatrix_22_22	158	161ChiMatrix_23_23	165

1 Results

$el1_{etaCalo}$	bin	α	$\Delta\alpha$	σ	$\Delta\sigma$
] $-2.47, -2.4]$	0	-0.0144168	0.00103646	0.0415233	0.00172327
] $-2.4, -2.1]$	1	-0.0130875	0.000277922	0.0123799	0.00110761
] $-2.1, -1.8]$	2	-0.00905813	0.000252824	0.00839597	0.00115977
] $-1.8, -1.55]$	3	-0.00118049	0.000291055	0.00931288	0.00149074
] $-1.55, -1.37]$	4	0.00374527	0.00041534	0.0146059	0.00158802
] $-1.37, -1.2]$	5	-0.0144633	0.000292879	0.0133328	0.00110199
] $-1.2, -1]$	6	-0.00792672	0.000241209	0.00632909	0.00129573
] $-1, -0.8]$	7	-0.0136603	0.000231017	0.00887594	0.000998514
] $-0.8, -0.6]$	8	-0.0130742	0.000216783	0.00468695	0.00131401
] $-0.6, -0.4]$	9	-0.0086166	0.000203963	0.00452552	0.00116692
] $-0.4, -0.2]$	10	-0.005582	0.000203425	0.00456177	0.00127188
] $-0.2, 0]$	11	-0.00965446	0.000208976	0.00389336	0.00138241
] $0, 0.2]$	12	-0.0103817	0.000206488	0.00567751	0.00106638
] $0.2, 0.4]$	13	-0.00589003	0.000204936	0.00441695	0.00113531
] $0.4, 0.6]$	14	-0.00858987	0.000202496	0.00243545	0.0014601
] $0.6, 0.8]$	15	-0.0127104	0.000218076	0.00410169	0.00131329
] $0.8, 1]$	16	-0.0143028	0.000228385	0.00703951	0.00104222
] $1, 1.2]$	17	-0.00781779	0.000244812	0.00544626	0.0012725
] $1.2, 1.37]$	18	-0.0118112	0.000293032	0.0113414	0.00116894
] $1.37, 1.55]$	19	0.00151089	0.000398318	0.0134774	0.00161643
] $1.55, 1.8]$	20	-0.000209028	0.000286993	0.0142741	0.00107189
] $1.8, 2.1]$	21	-0.00783062	0.000247833	0.0081186	0.00123829
] $2.1, 2.4]$	22	-0.011517	0.000281529	0.0154444	0.000903753
] $2.4, 2.47]$	23	-0.00856974	0.0010069	0.0411971	0.00170856



2 ChiMatrix_0_0

Results

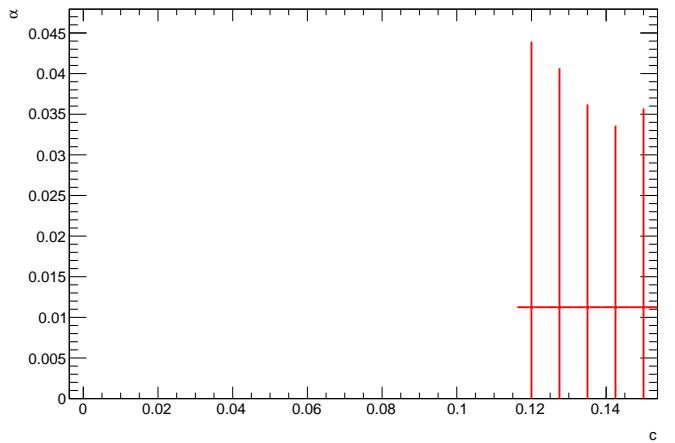
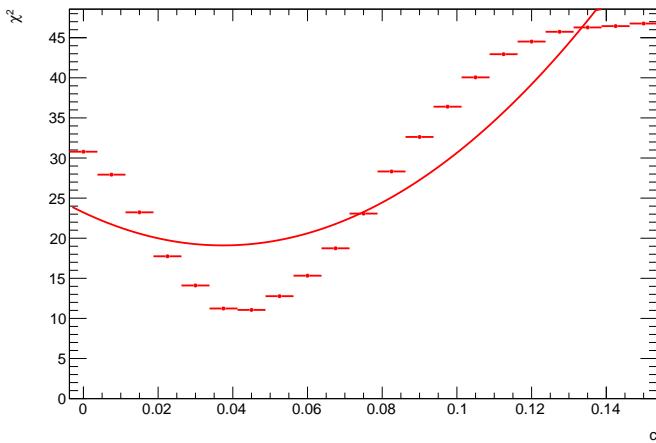
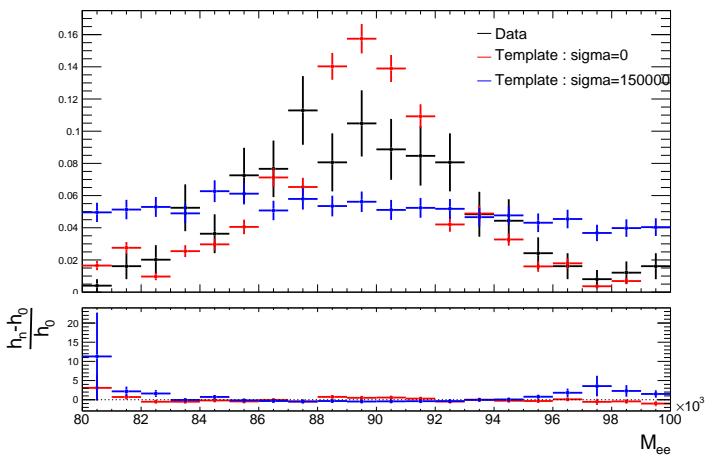
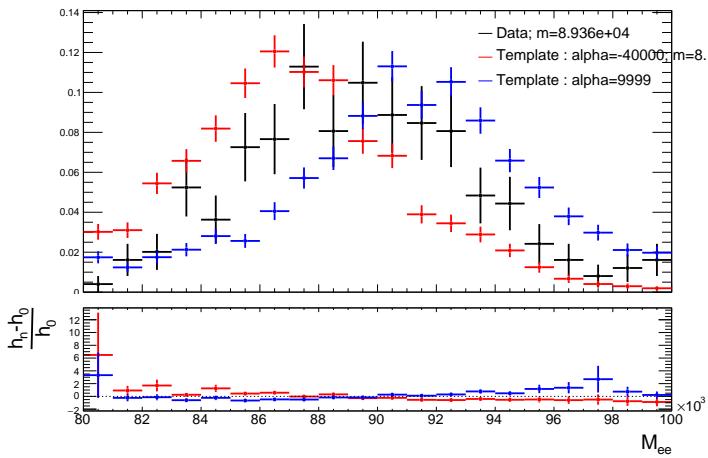
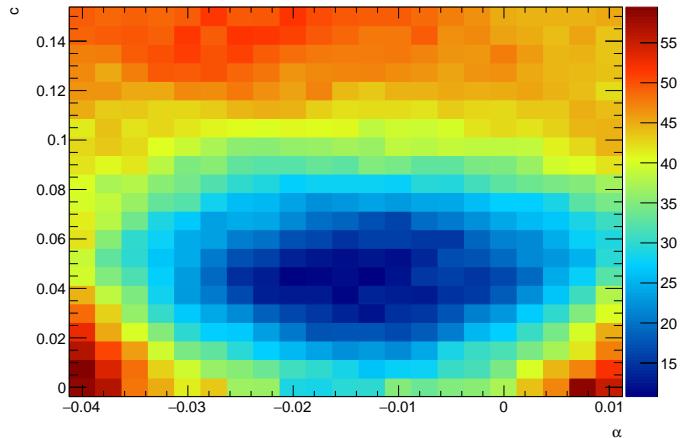
MCEvents : 2484

DataEvents : 281

ThresholdMass : 54

$$\alpha_{ij} = -0.0131734 \pm 0.00463338$$

$$\sigma_{ij} = 0.0373659 \pm 0.0184265$$



3 ChiMatrix_1_0

Results

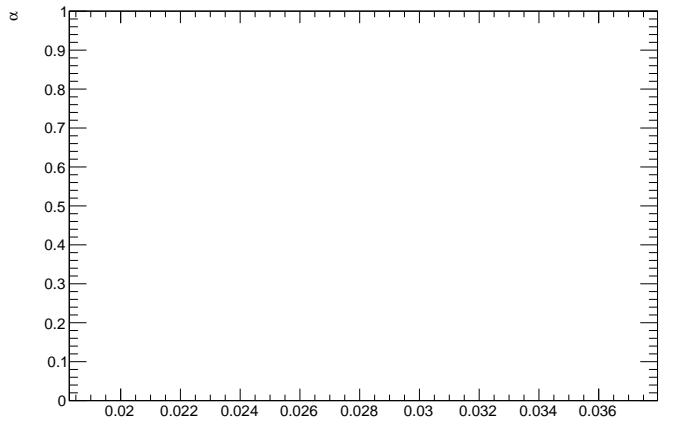
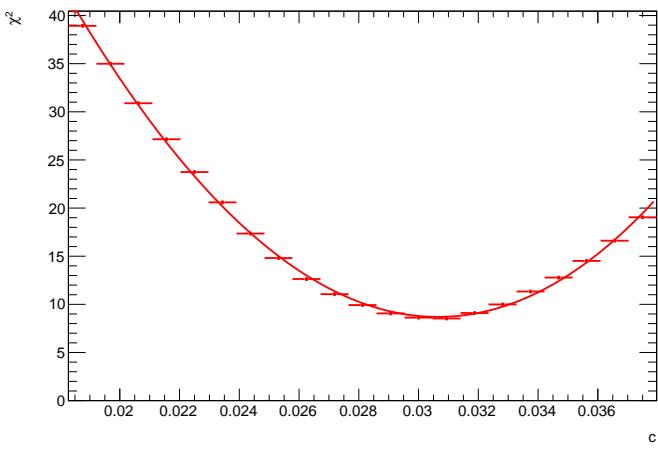
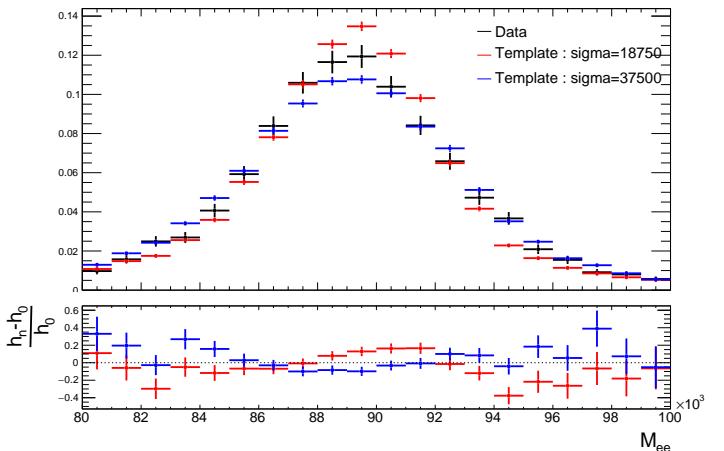
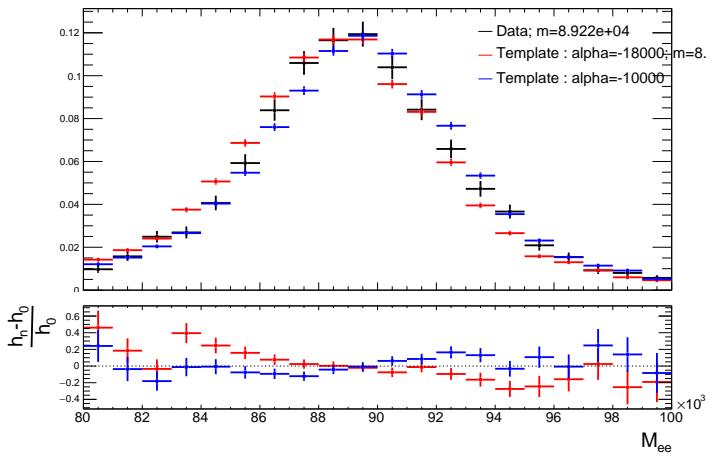
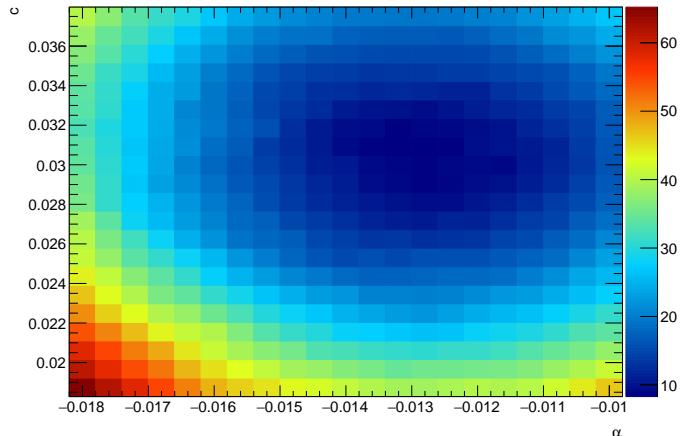
MCEvents : 31417

DataEvents : 3946

ThresholdMass : 54.2312

$$\alpha_{ij} = -0.0127675 \pm 0.00103146$$

$$\sigma_{ij} = 0.0306496 \pm 0.00209962$$



4 ChiMatrix_1_1

Results

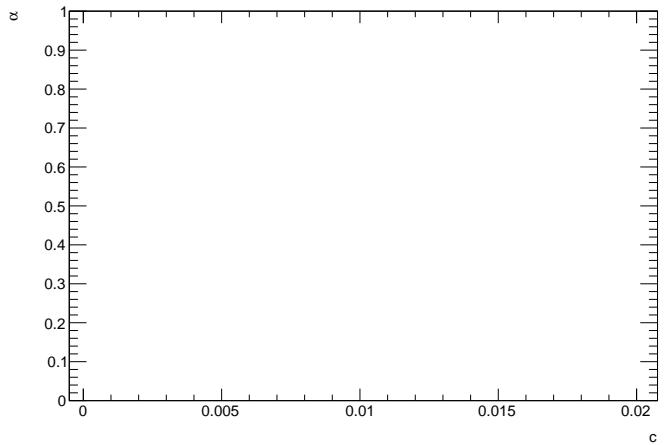
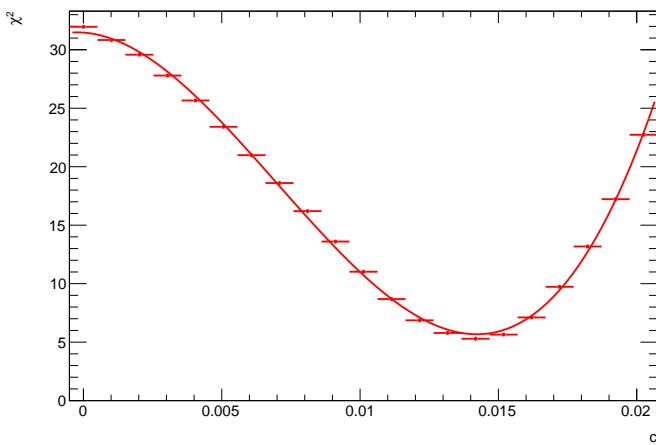
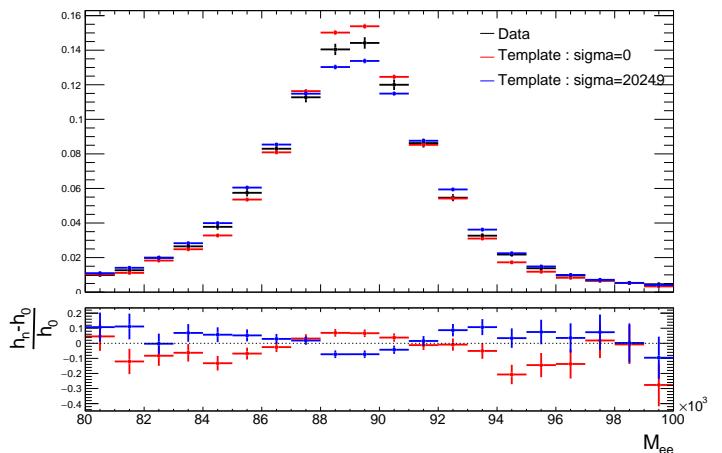
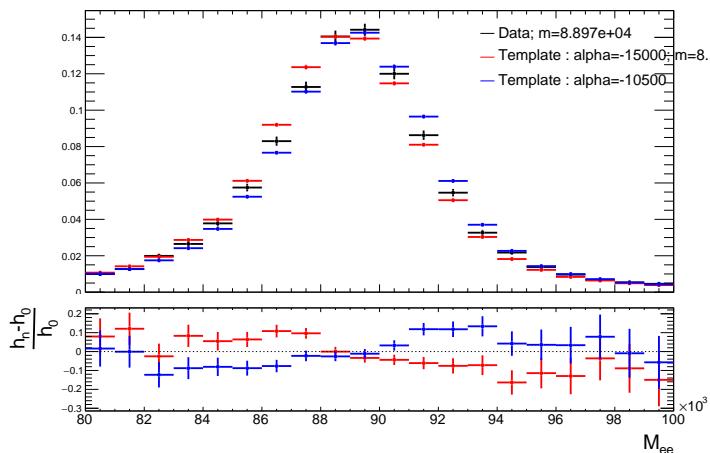
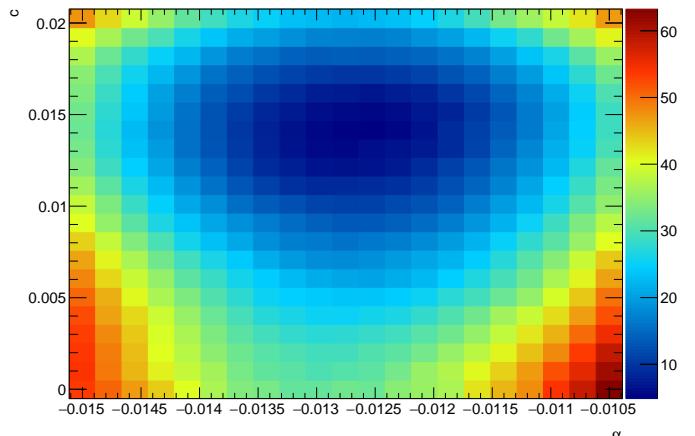
MCEvents : 98112

DataEvents : 14799

ThresholdMass : 54

$$\alpha_{ij} = -0.0126783 \pm 0.000444892$$

$$\sigma_{ij} = 0.0142206 \pm 0.00158525$$



5 ChiMatrix_2_0

Results

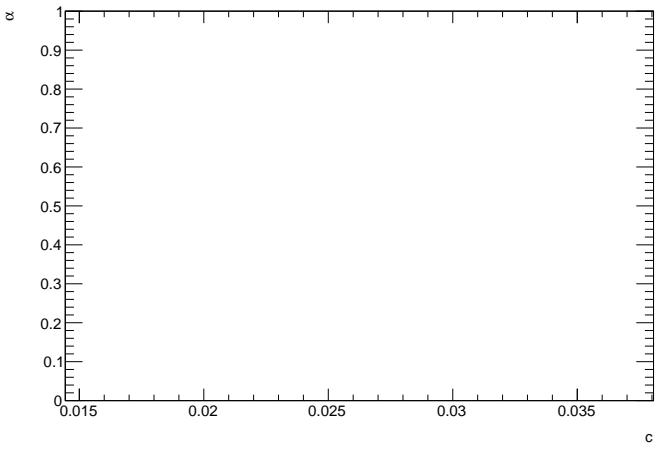
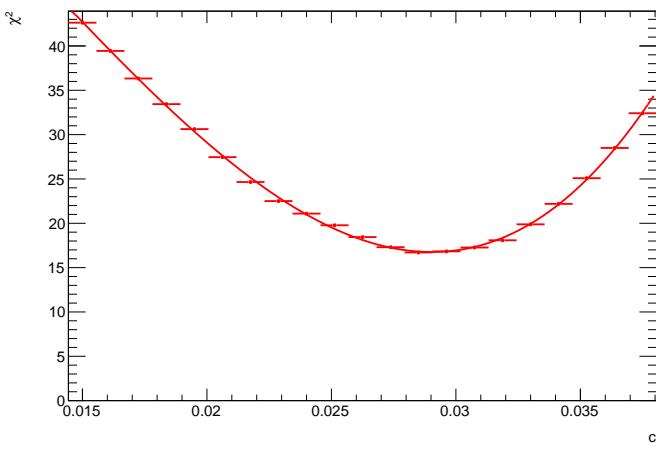
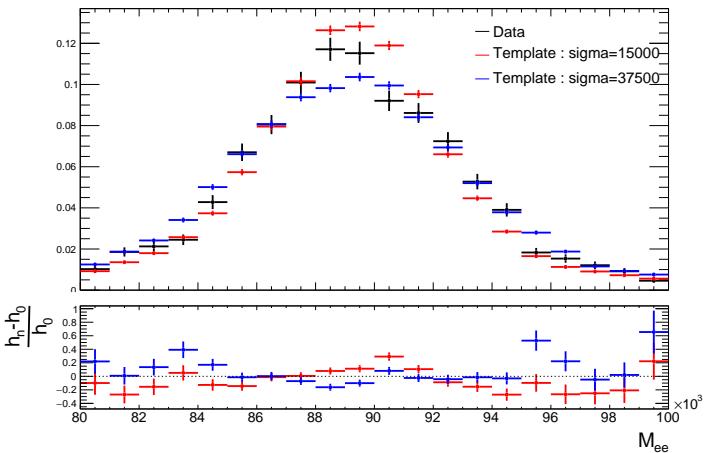
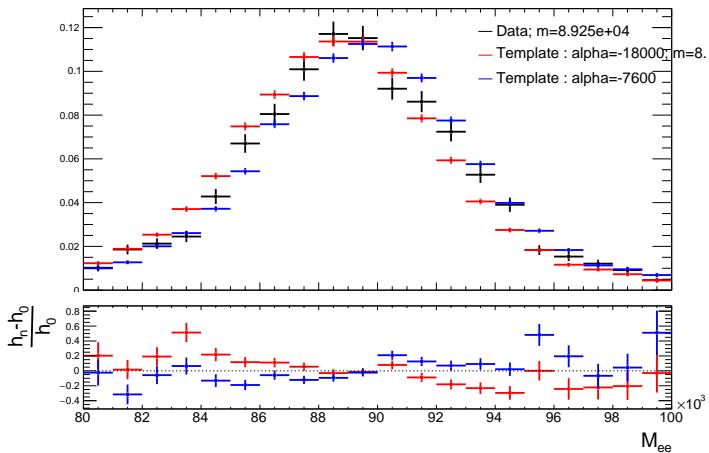
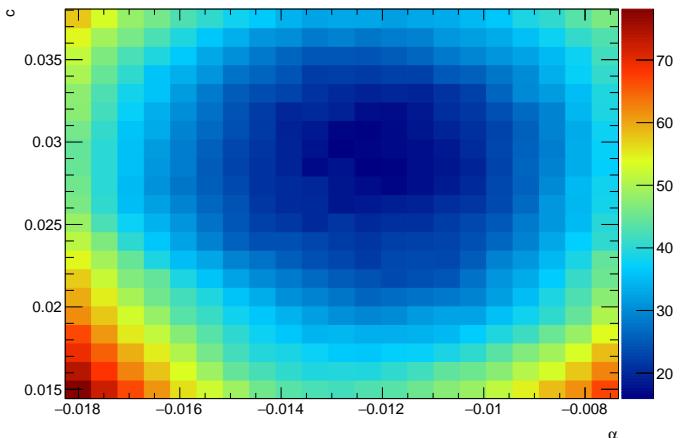
MCEvents : 32120

DataEvents : 4140

ThresholdMass : 55.5956

$$\alpha_{ij} = -0.0123488 \pm 0.00105415$$

$$\sigma_{ij} = 0.0290288 \pm 0.00226063$$



6 ChiMatrix_2_1

Results

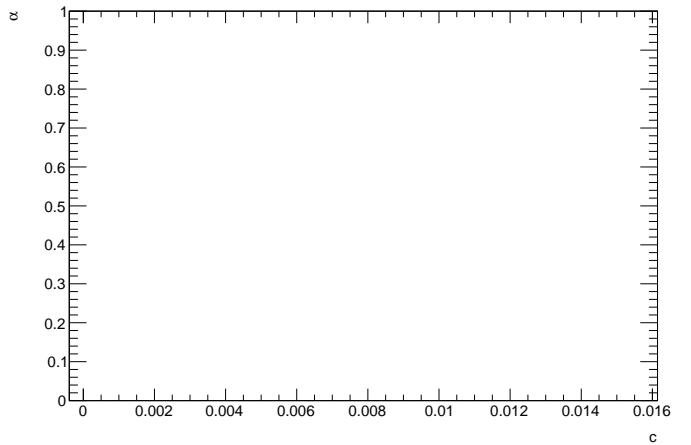
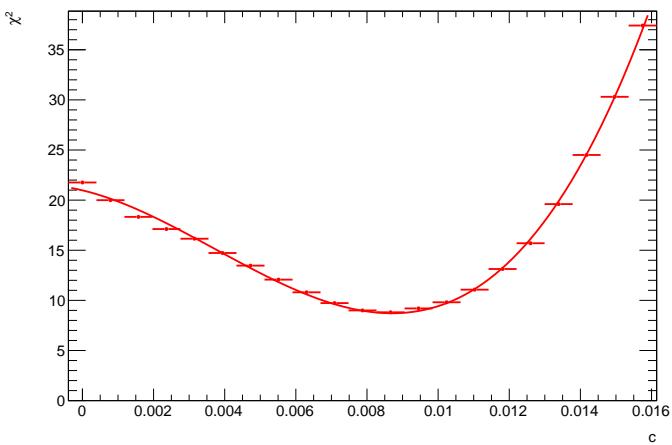
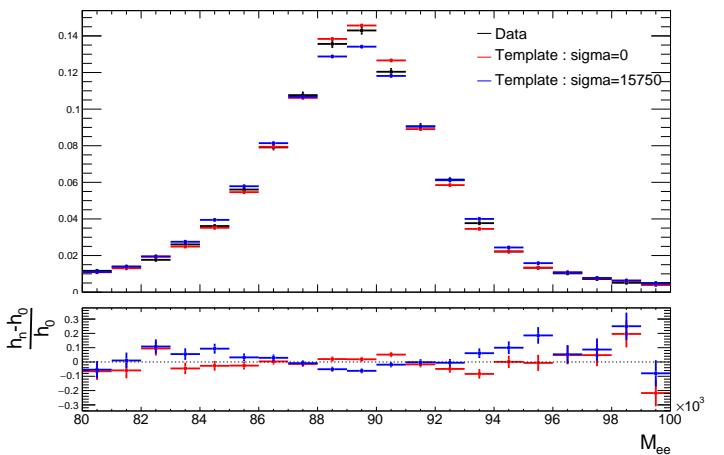
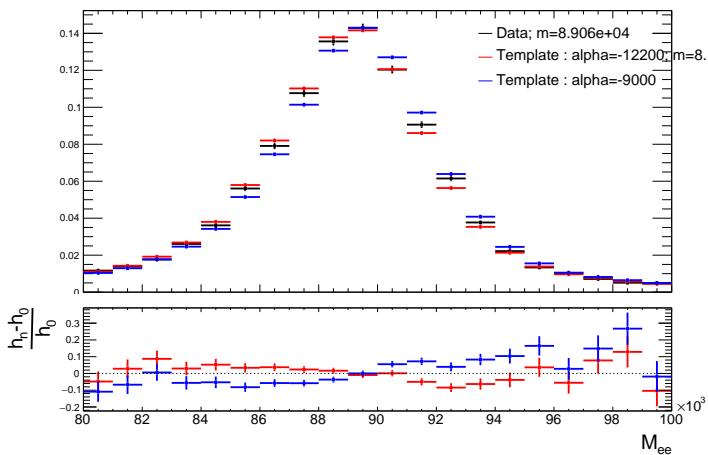
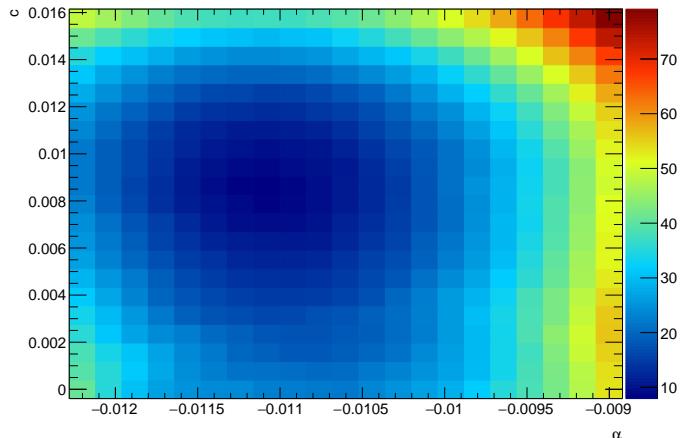
MCEvents : 201756

DataEvents : 31742

ThresholdMass : 54.6086

$$\alpha_{ij} = -0.0110409 \pm 0.000317515$$

$$\sigma_{ij} = 0.00870543 \pm 0.00152816$$



7 ChiMatrix_2_2

Results

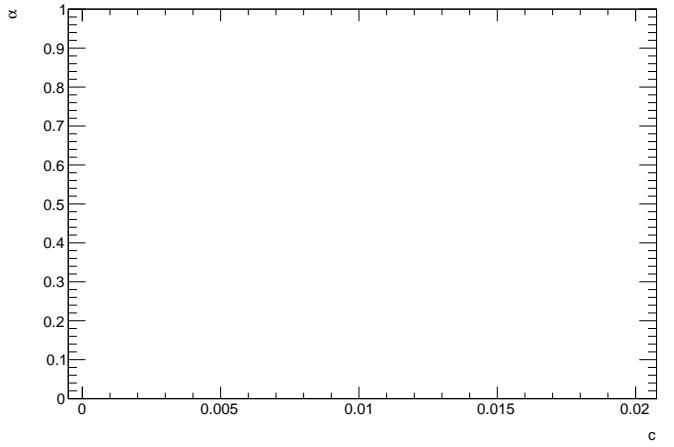
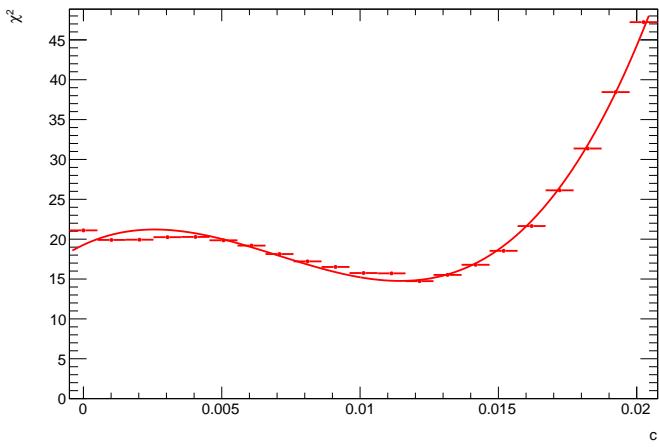
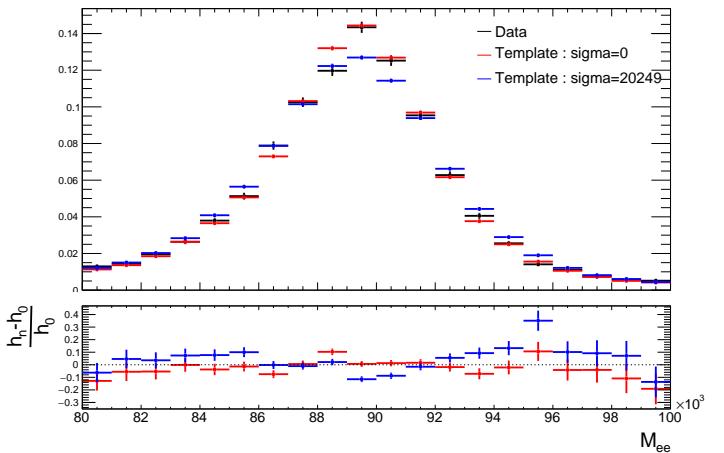
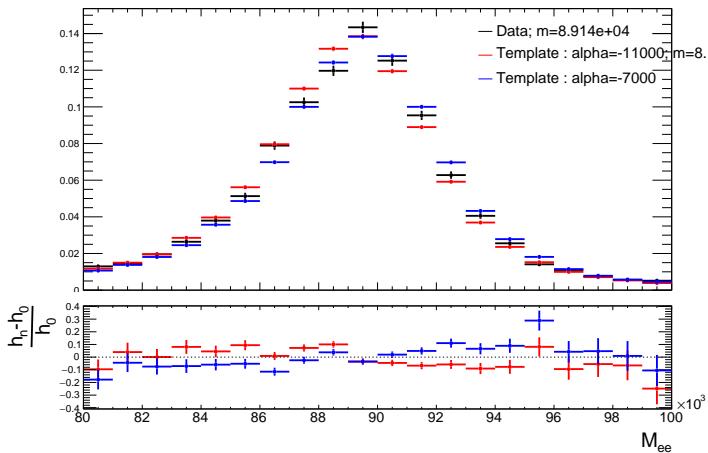
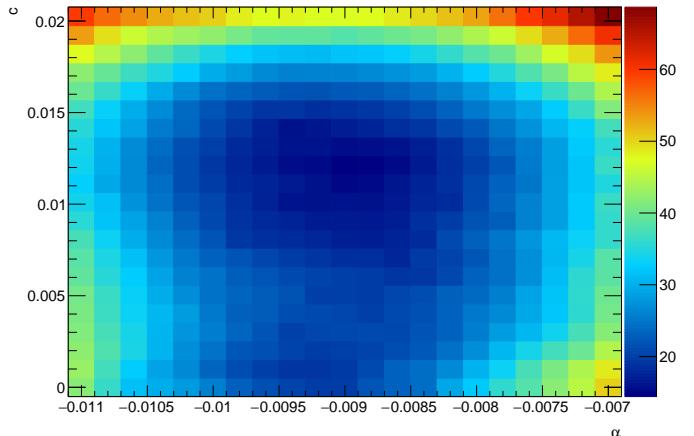
MCEvents : 105240

DataEvents : 17404

ThresholdMass : 54

$$\alpha_{ij} = -0.00904559 \pm 0.00046606$$

$$\sigma_{ij} = 0.0114459 \pm 0.00188776$$



8 ChiMatrix_3_0

Results

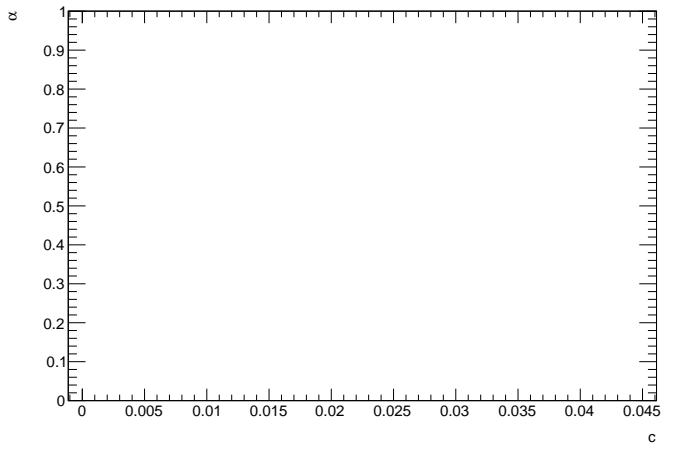
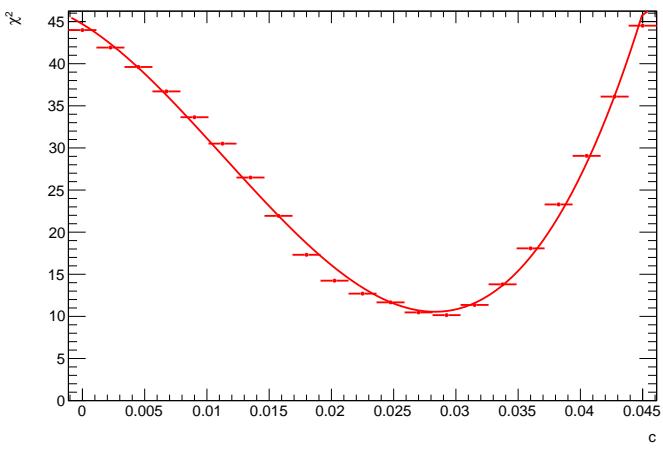
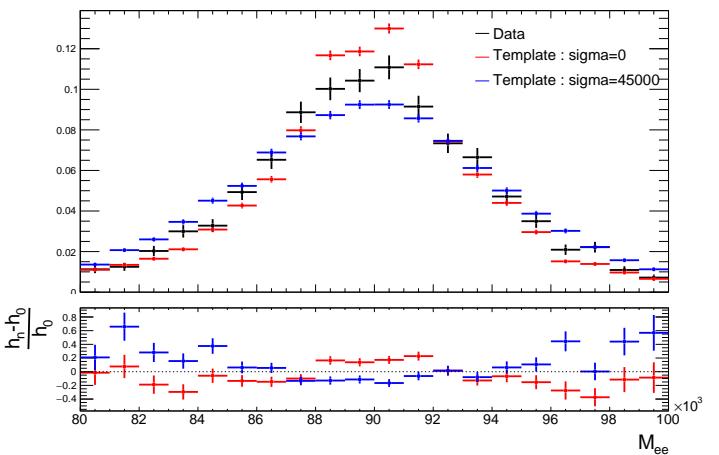
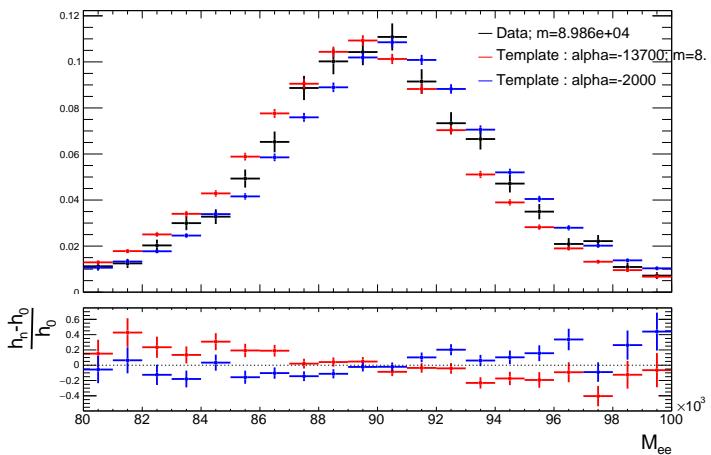
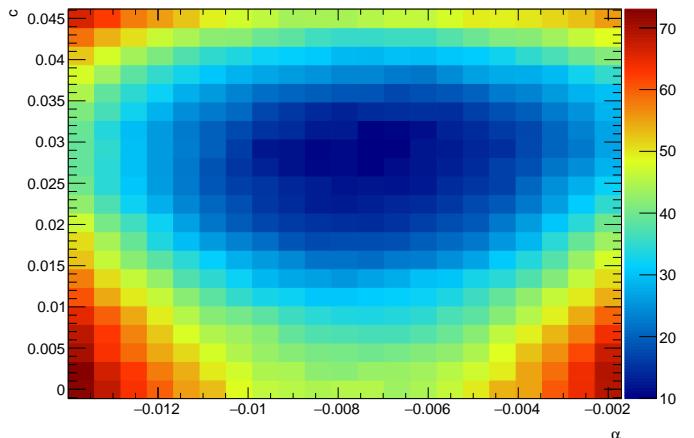
MCEvents : 28338

DataEvents : 3546

ThresholdMass : 57.9459

$$\alpha_{ij} = -0.0071787 \pm 0.0012292$$

$$\sigma_{ij} = 0.0283098 \pm 0.00313375$$



9 ChiMatrix_3_1

Results

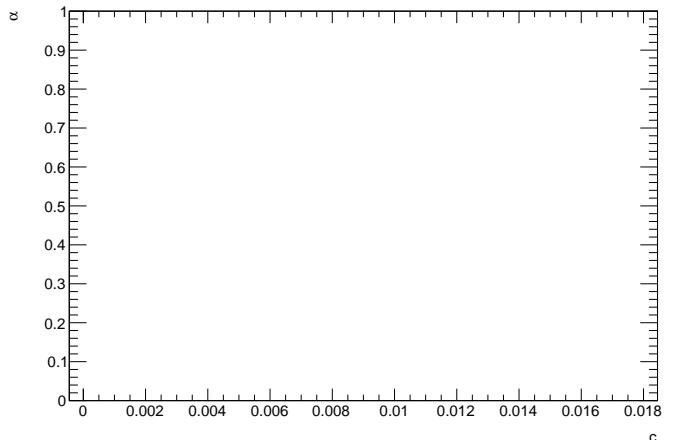
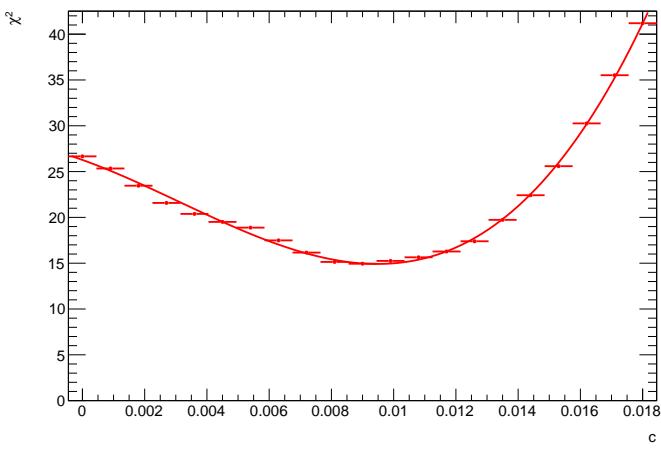
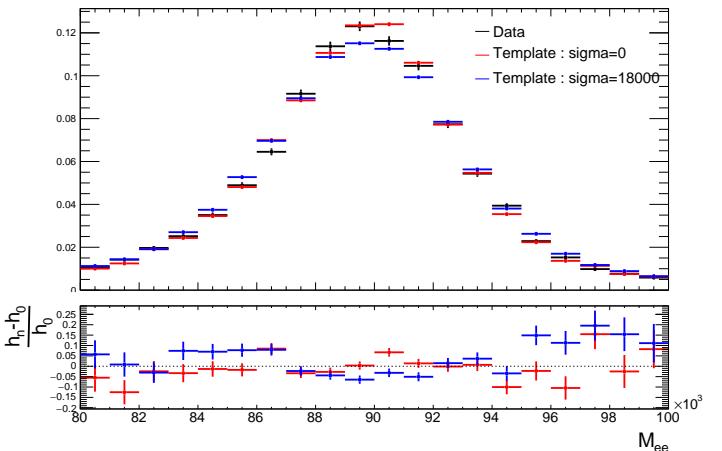
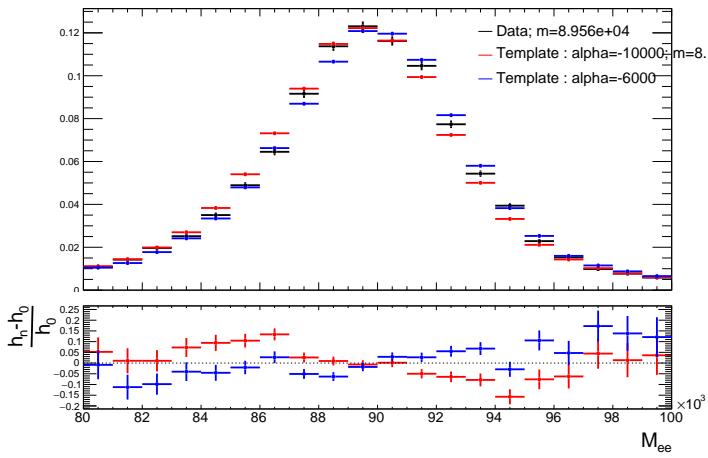
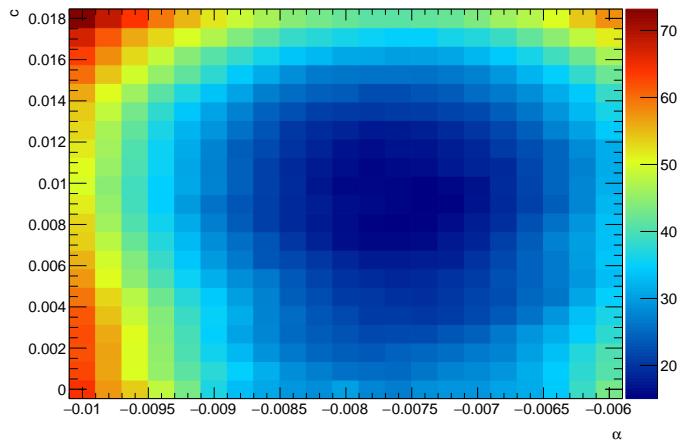
MCEvents : 176160

DataEvents : 27539

ThresholdMass : 56.2471

$$\alpha_{ij} = -0.00762612 \pm 0.000402181$$

$$\sigma_{ij} = 0.00948227 \pm 0.00190586$$



10 ChiMatrix_3_2

Results

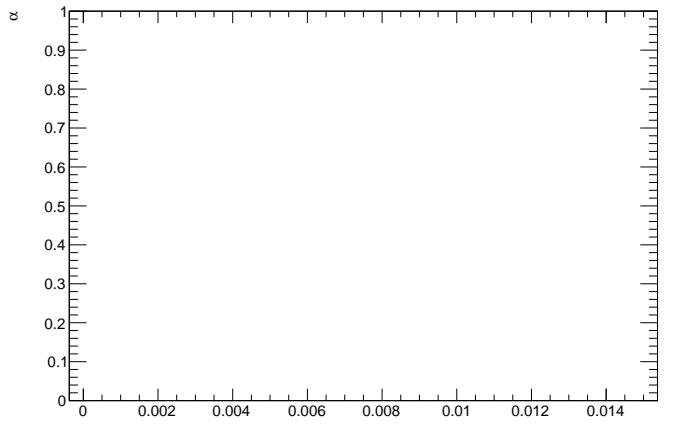
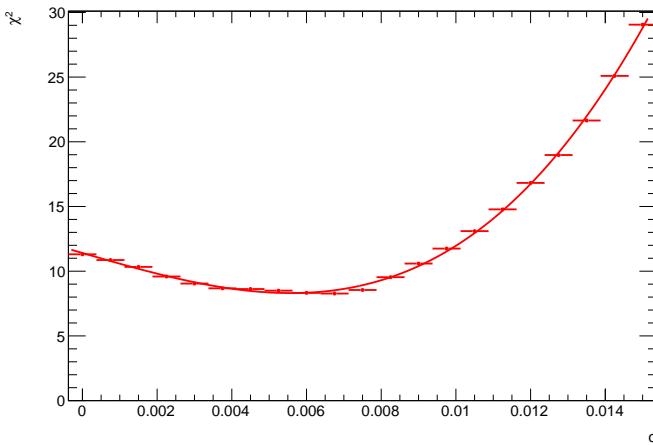
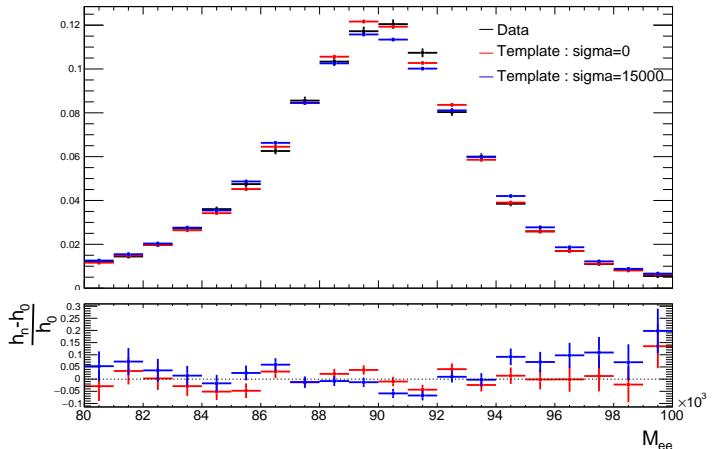
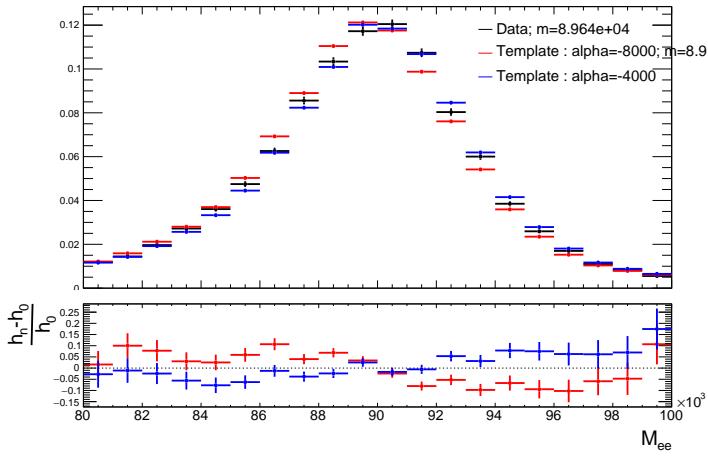
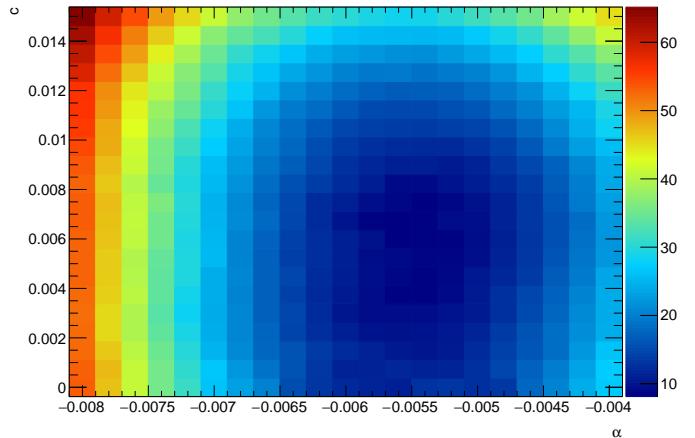
MCEvents : 187416

DataEvents : 31140

ThresholdMass : 54.5113

$$\alpha_{ij} = -0.00544647 \pm 0.000384562$$

$$\sigma_{ij} = 0.00558165 \pm 0.00242682$$



11 ChiMatrix_3_3

Results

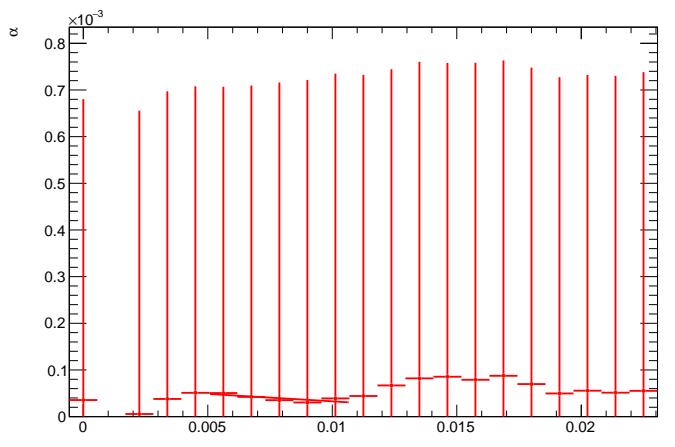
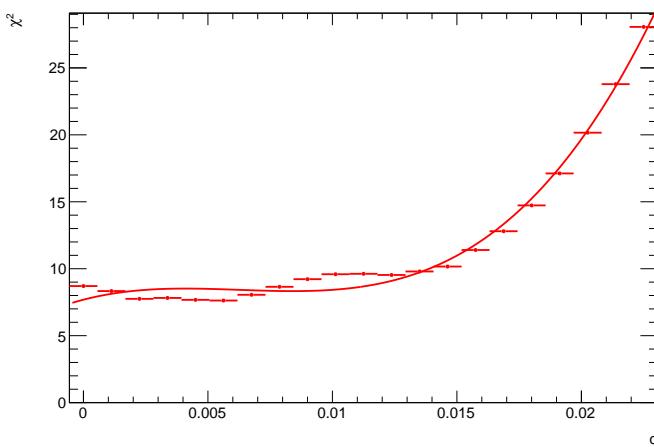
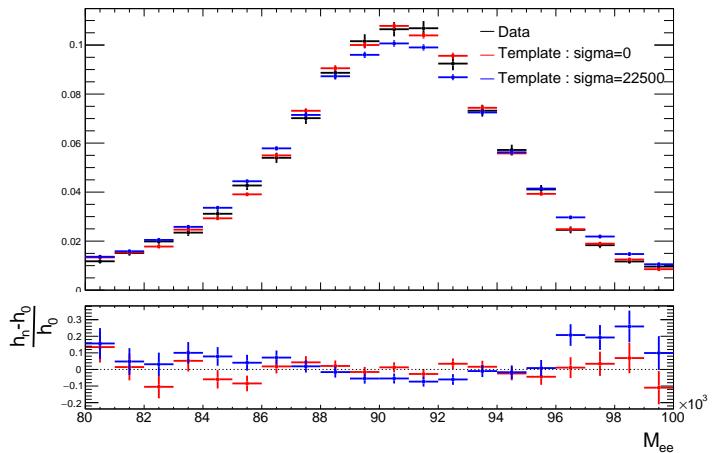
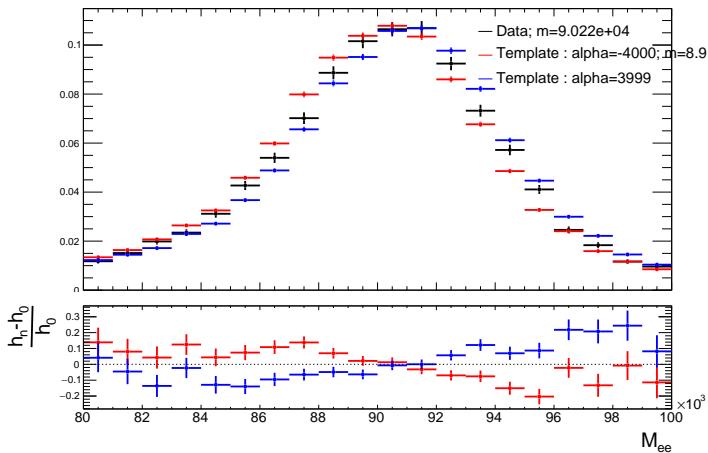
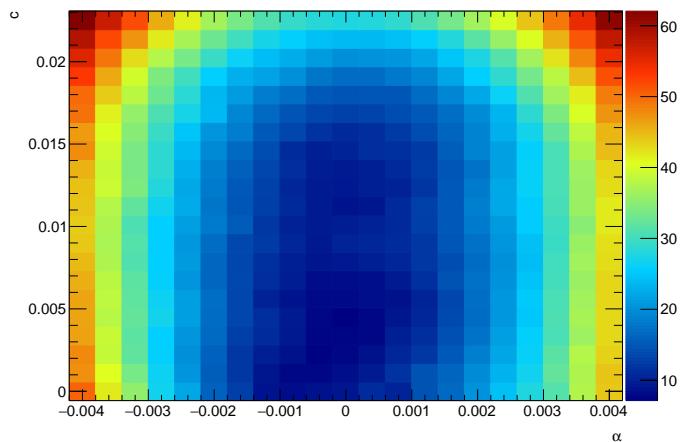
MCEvents : 81978

DataEvents : 14220

ThresholdMass : 54

$$\alpha_{ij} = 3.77735e - 05 \pm 0.000680648$$

$$\sigma_{ij} = 0.00841836 \pm 0.00442256$$



12 ChiMatrix_4_0

Results

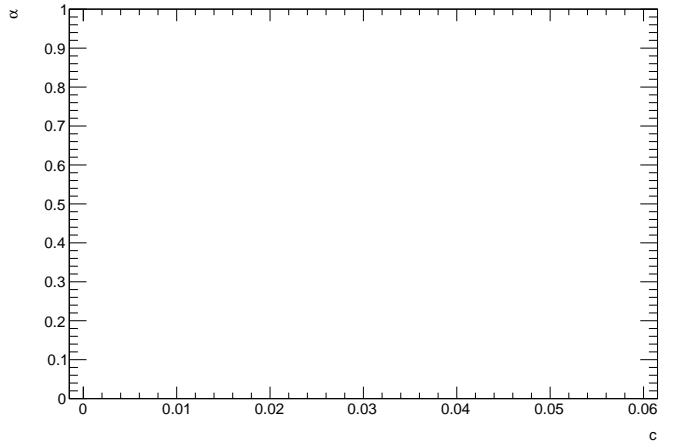
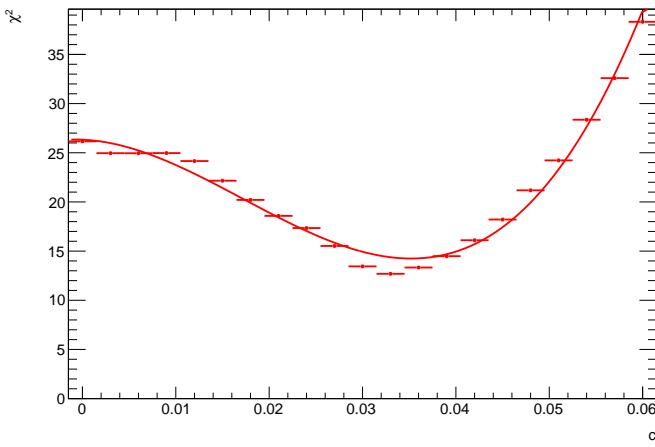
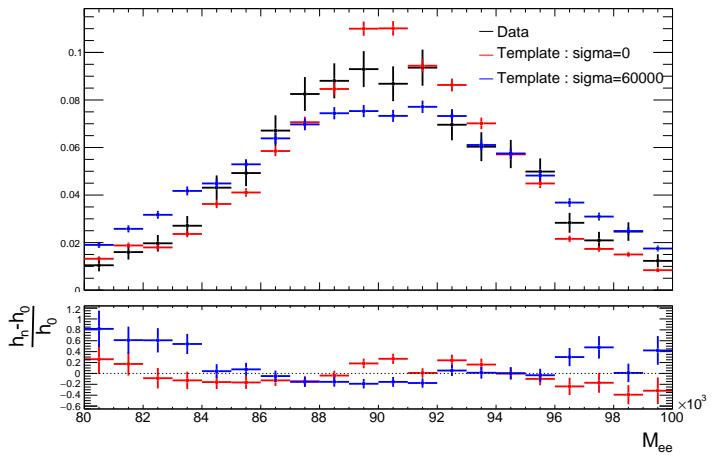
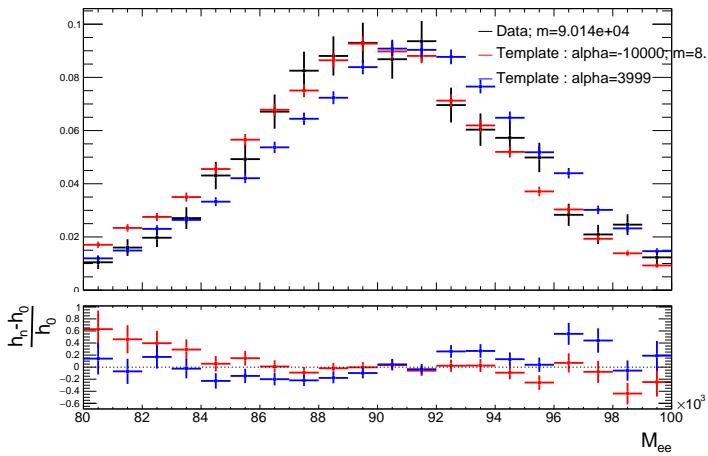
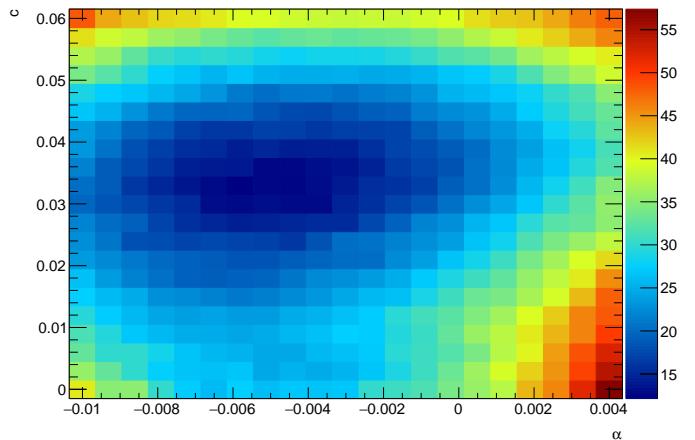
MCEvents : 17700

DataEvents : 1833

ThresholdMass : 60.5448

$$\alpha_{ij} = -0.00472093 \pm 0.00195582$$

$$\sigma_{ij} = 0.0352061 \pm 0.00567155$$



13 ChiMatrix_4_1

Results

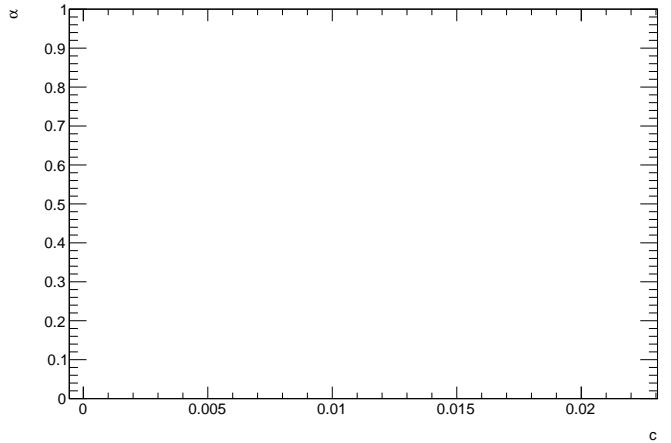
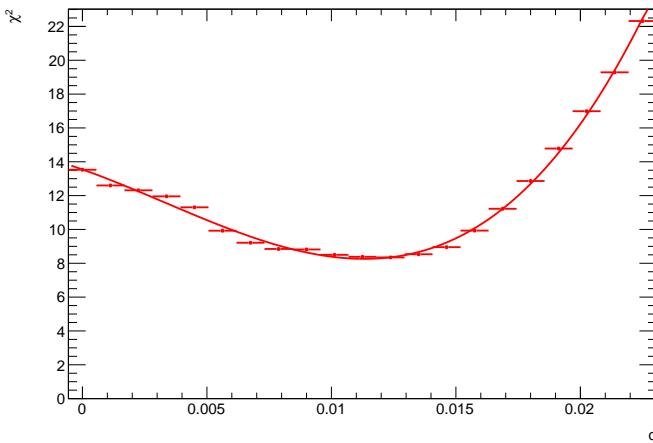
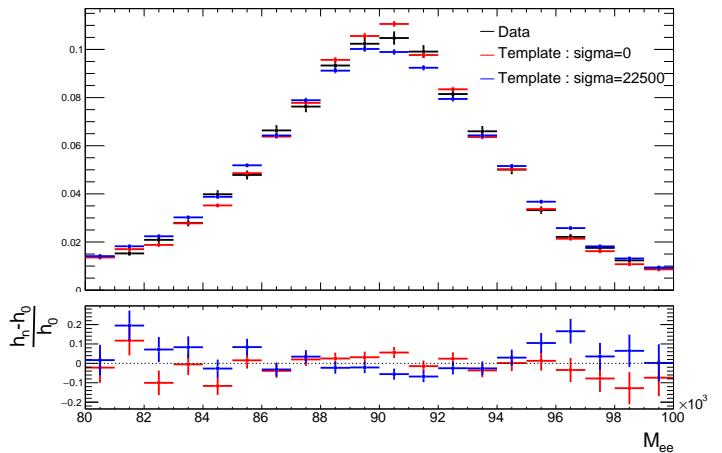
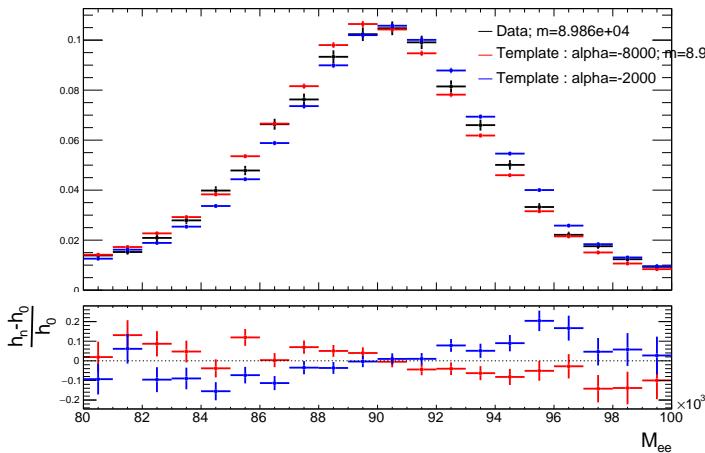
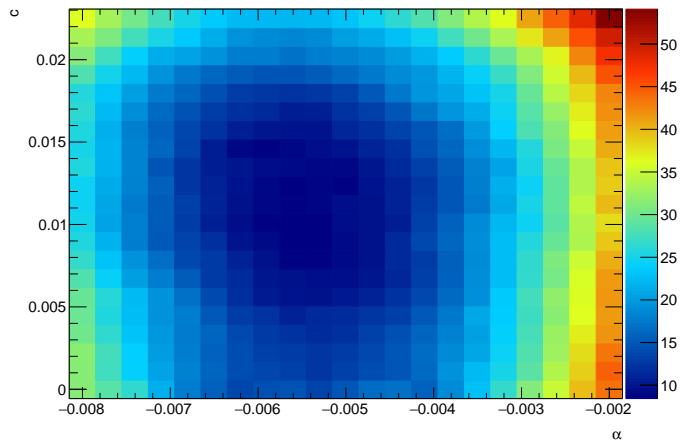
MCEvents : 110058

DataEvents : 15640

ThresholdMass : 58.2677

$$\alpha_{ij} = -0.00545983 \pm 0.000624734$$

$$\sigma_{ij} = 0.0113186 \pm 0.00335745$$



14 ChiMatrix_4_2

Results

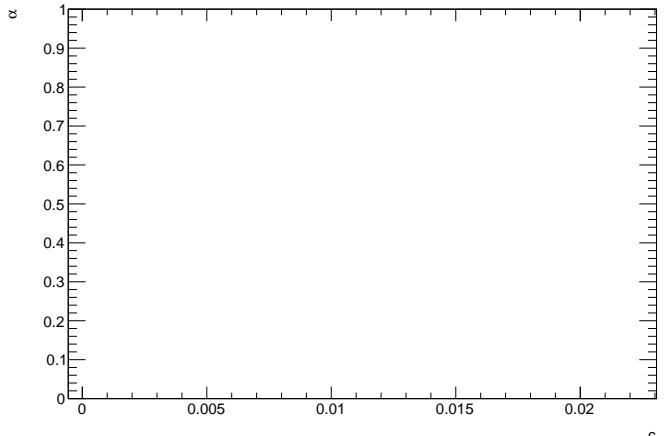
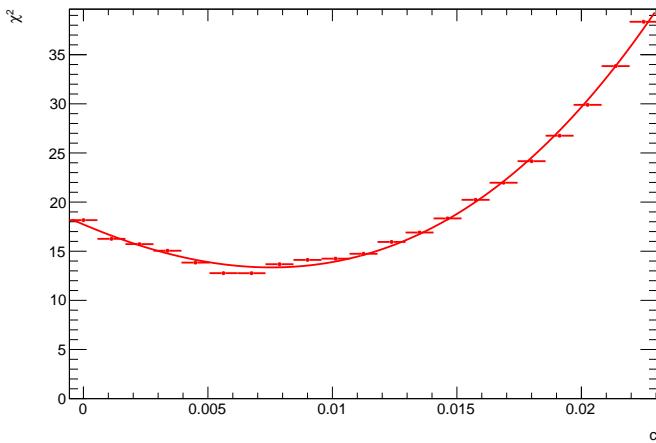
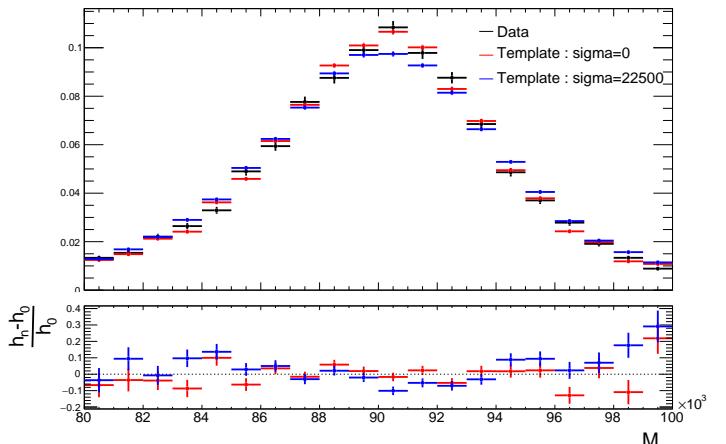
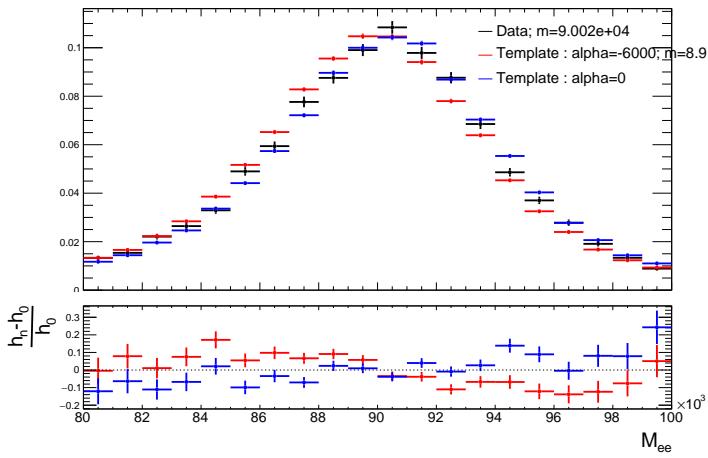
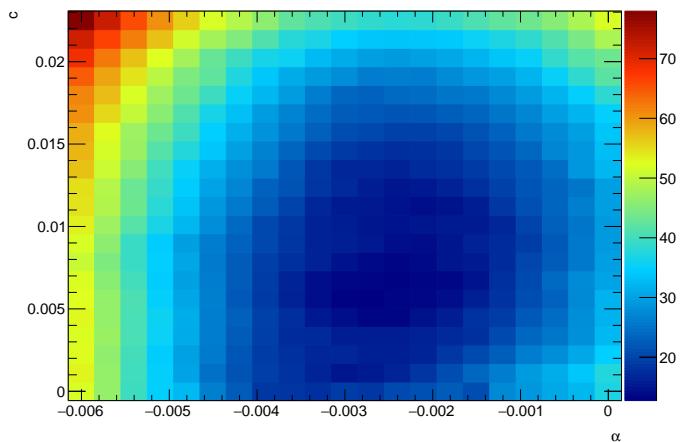
MCEvents : 123324

DataEvents : 18427

ThresholdMass : 55.6288

$$\alpha_{ij} = -0.00239968 \pm 0.000594034$$

$$\sigma_{ij} = 0.00755195 \pm 0.00329258$$



15 ChiMatrix_4_3

Results

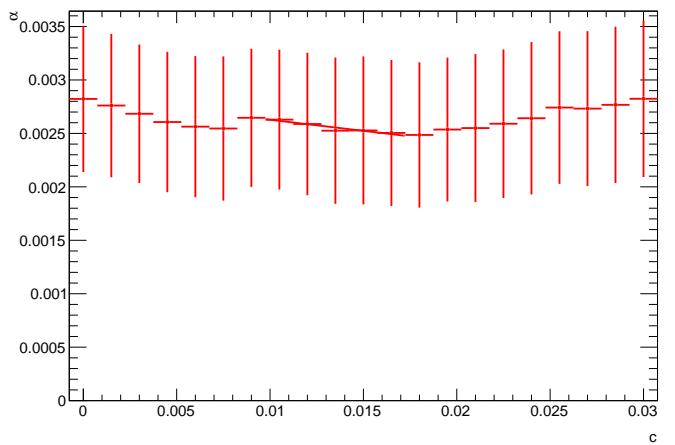
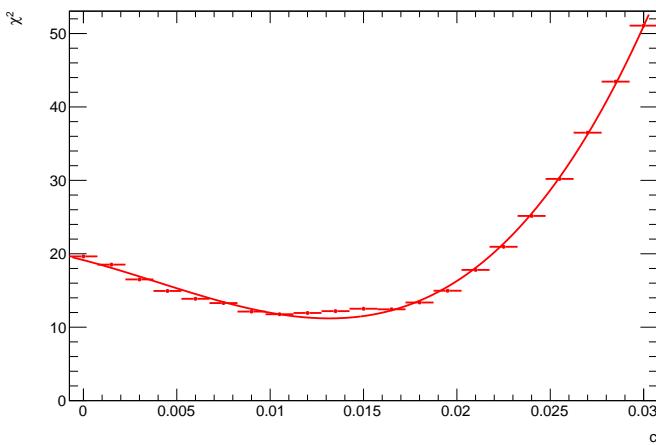
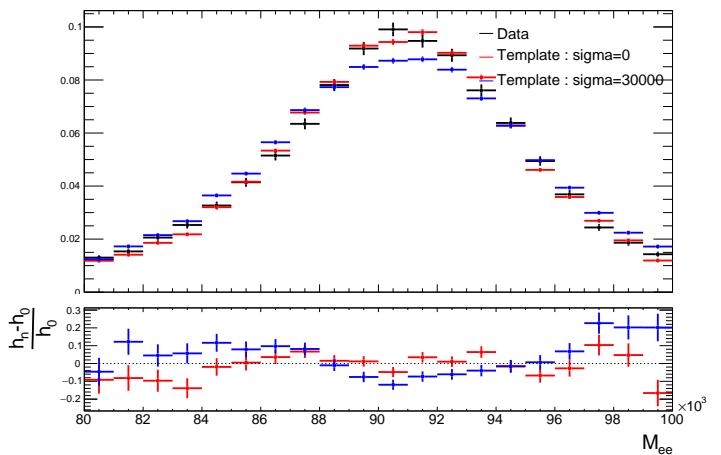
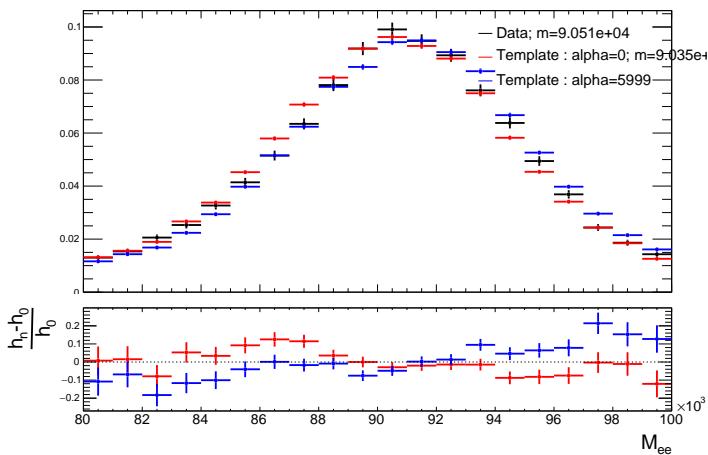
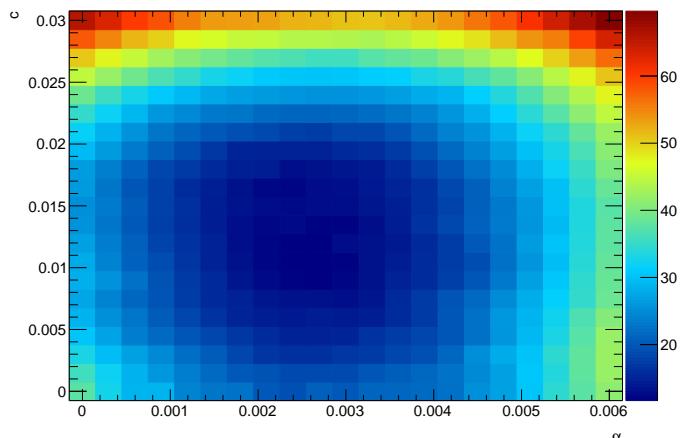
MCEvents : 112686

DataEvents : 17344

ThresholdMass : 54.3123

$$\alpha_{ij} = 0.00256211 \pm 0.000684216$$

$$\sigma_{ij} = 0.0131606 \pm 0.00320569$$



16 ChiMatrix_4_4

Results

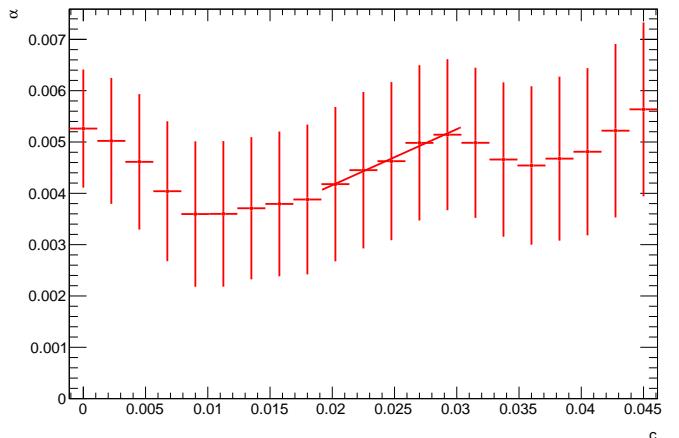
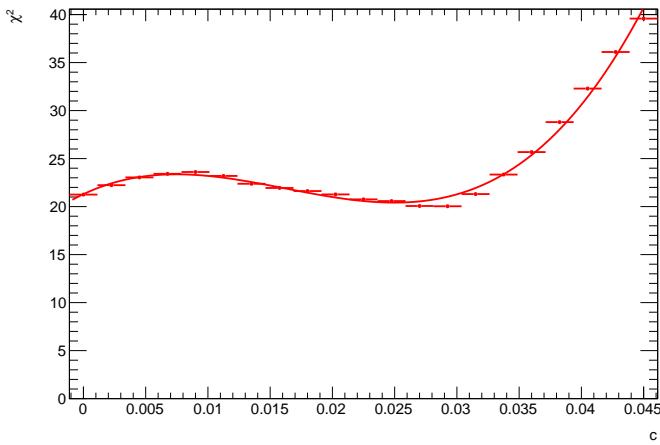
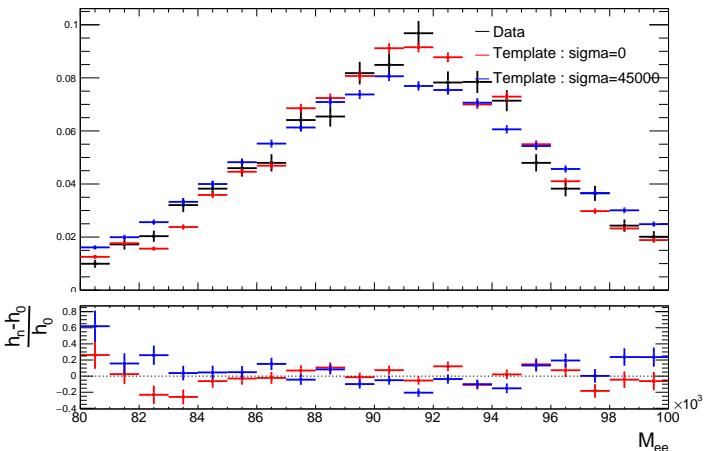
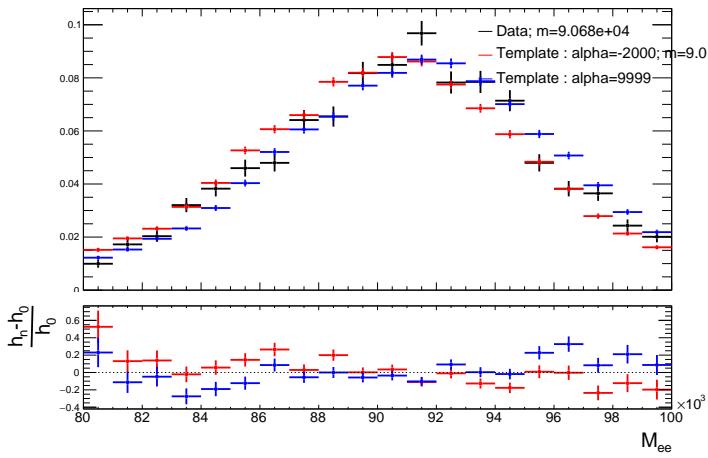
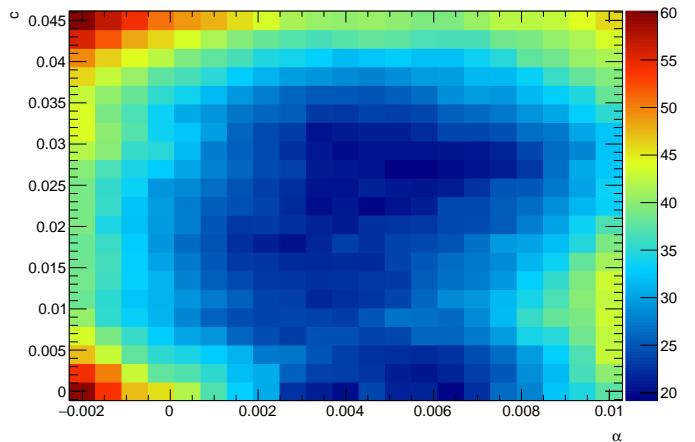
MCEvents : 38082

DataEvents : 5320

ThresholdMass : 54

$$\alpha_{ij} = 0.00470302 \pm 0.0015407$$

$$\sigma_{ij} = 0.0249904 \pm 0.00537138$$



17 ChiMatrix_5_0

Results

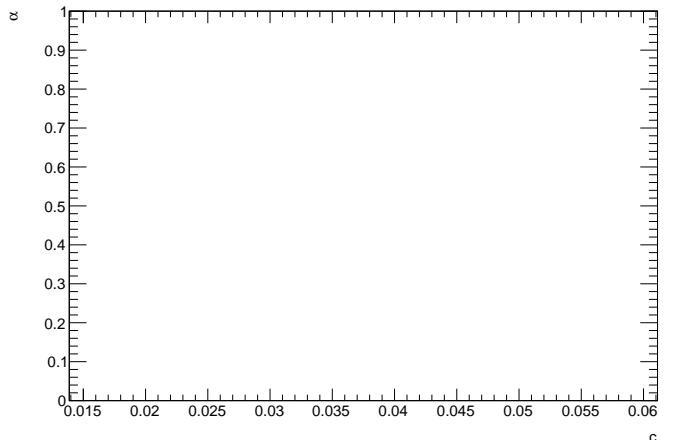
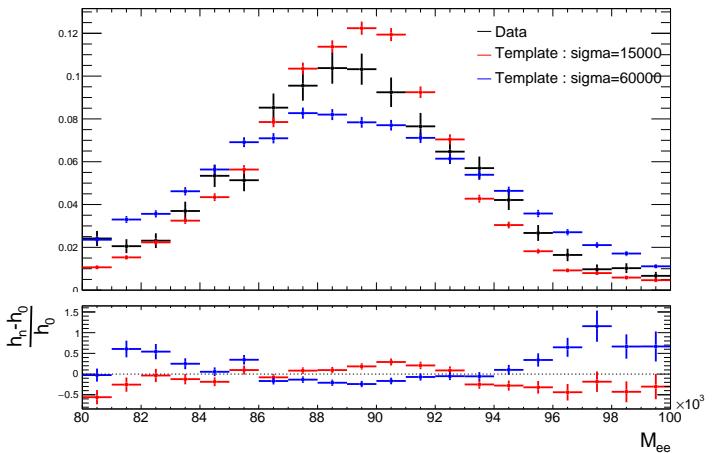
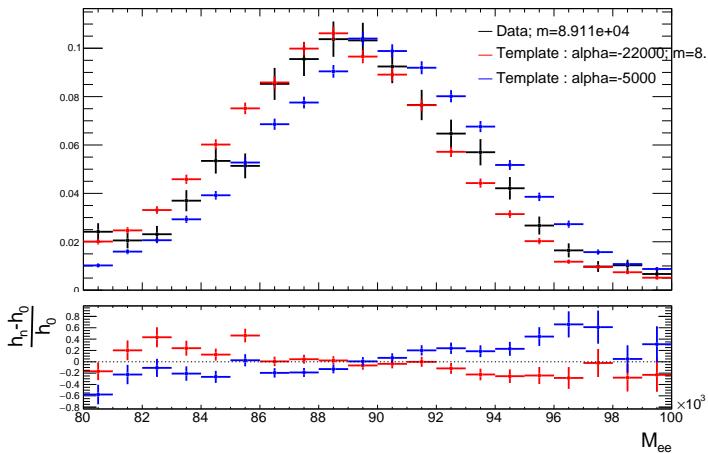
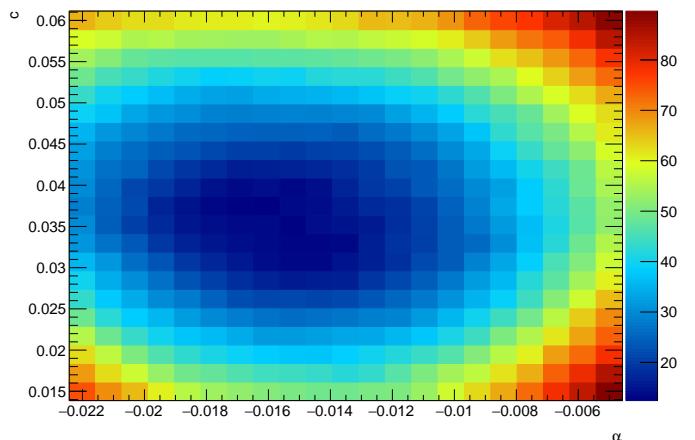
MCEvents : 17974

DataEvents : 2126

ThresholdMass : 63.1756

$$\alpha_{ij} = -0.0154958 \pm 0.00166772$$

$$\sigma_{ij} = 0.0359165 \pm 0.00344956$$



18 ChiMatrix_5_1

Results

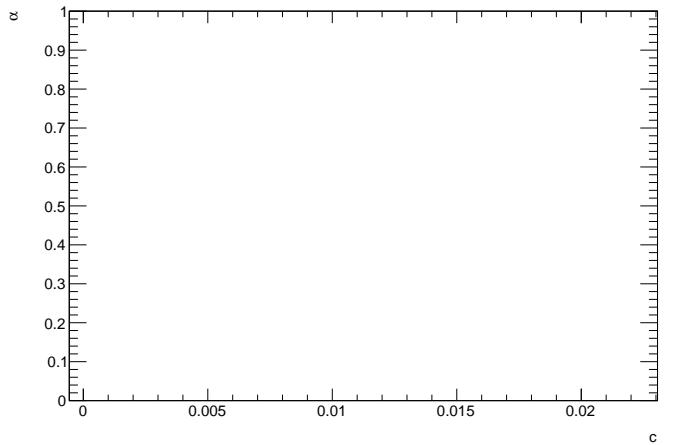
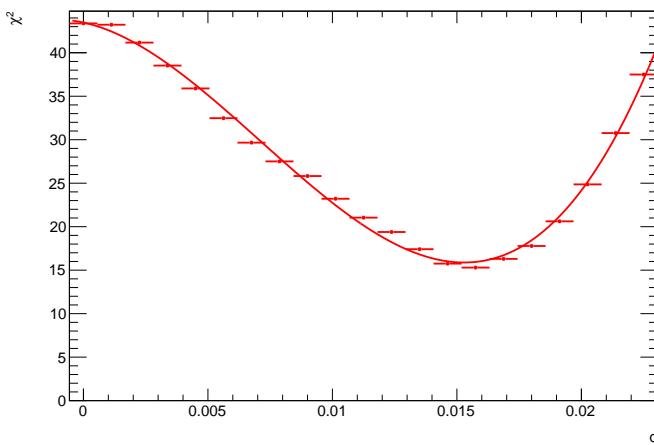
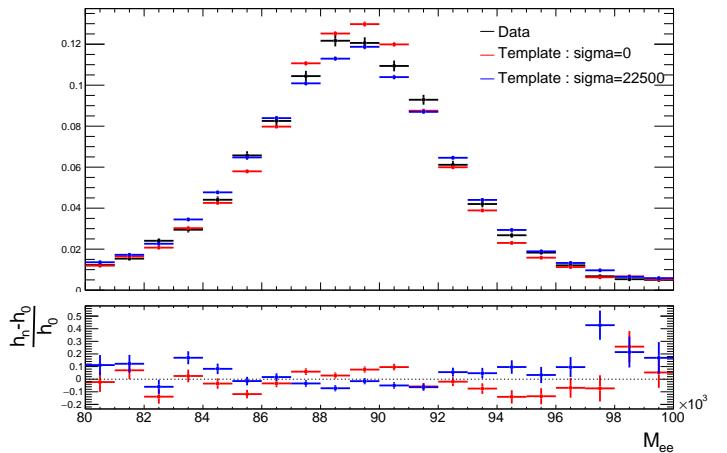
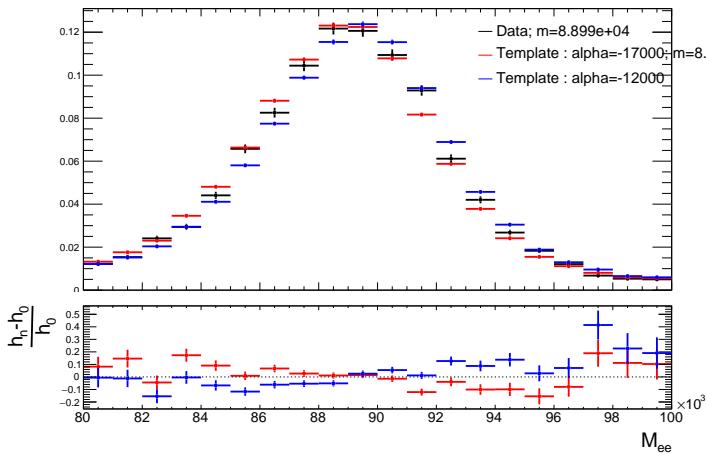
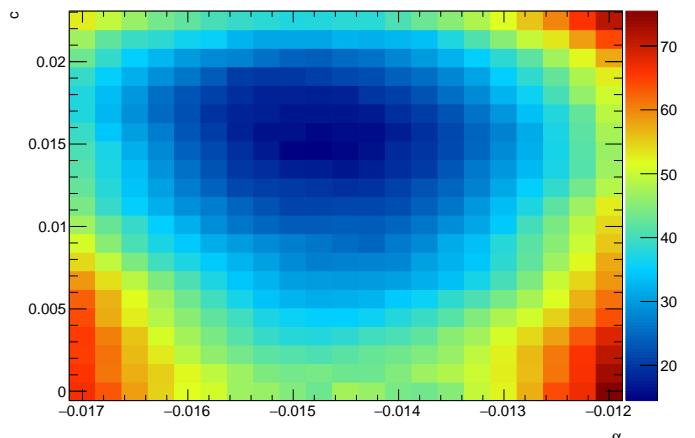
MCEvents : 116118

DataEvents : 17830

ThresholdMass : 60.4087

$$\alpha_{ij} = -0.0146842 \pm 0.000470547$$

$$\sigma_{ij} = 0.0152883 \pm 0.00172813$$



19 ChiMatrix_5_2

Results

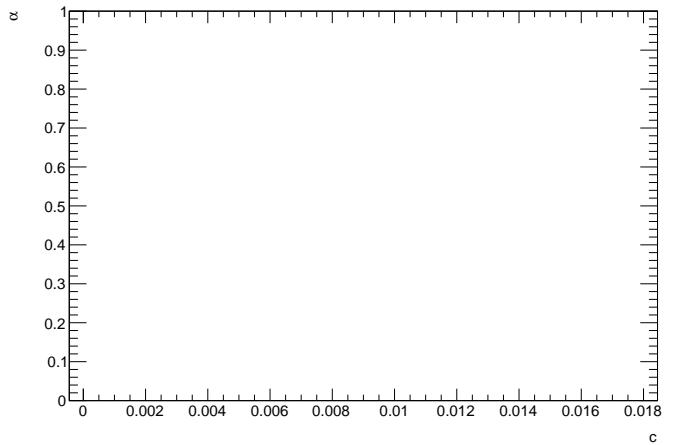
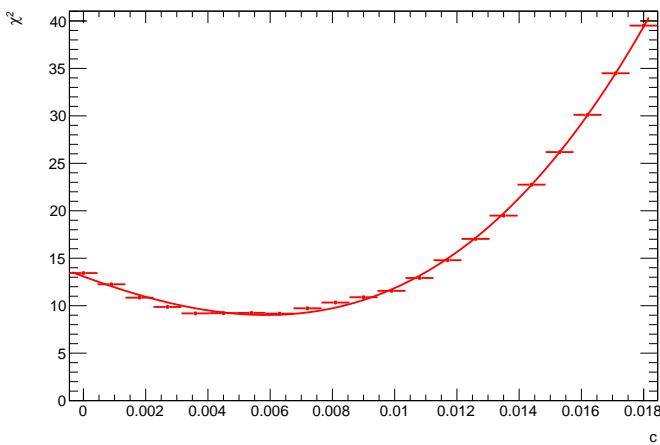
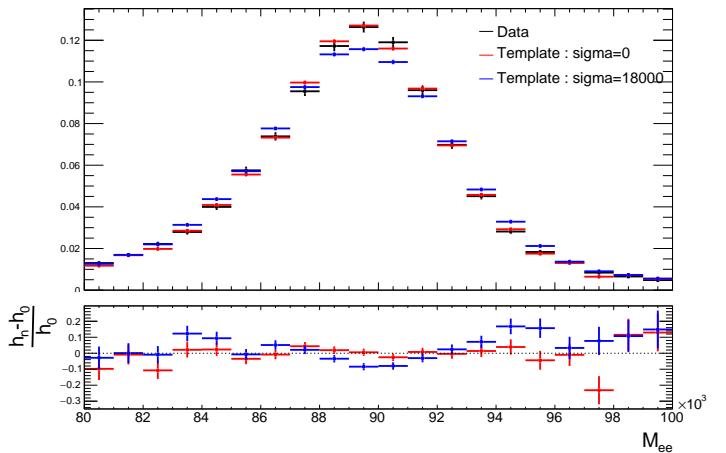
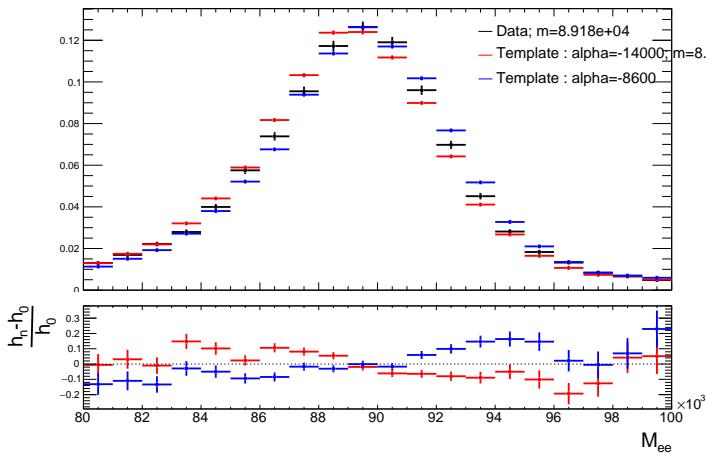
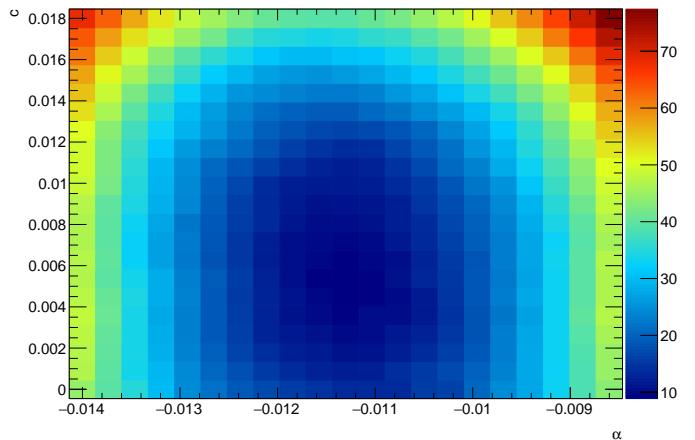
MCEvents : 131760

DataEvents : 20868

ThresholdMass : 57.0126

$$\alpha_{ij} = -0.0112953 \pm 0.000439462$$

$$\sigma_{ij} = 0.00587992 \pm 0.0025088$$



20 ChiMatrix_5_3

Results

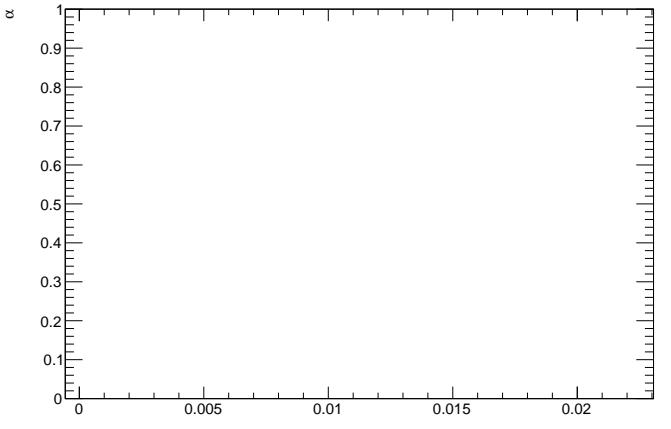
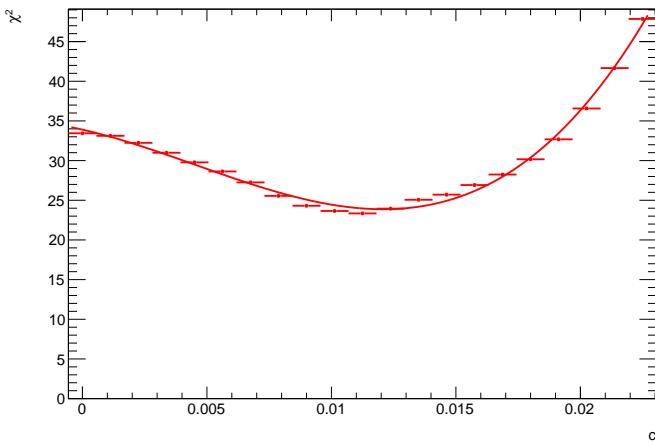
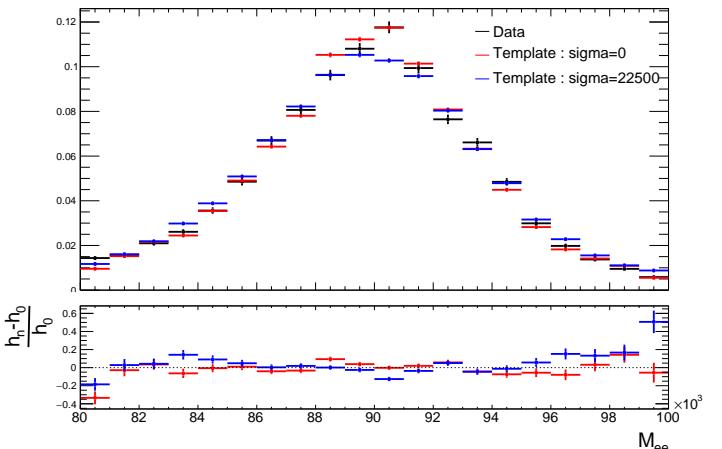
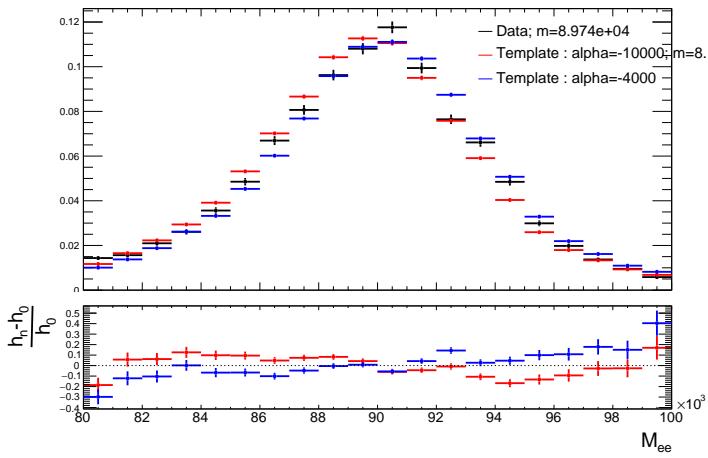
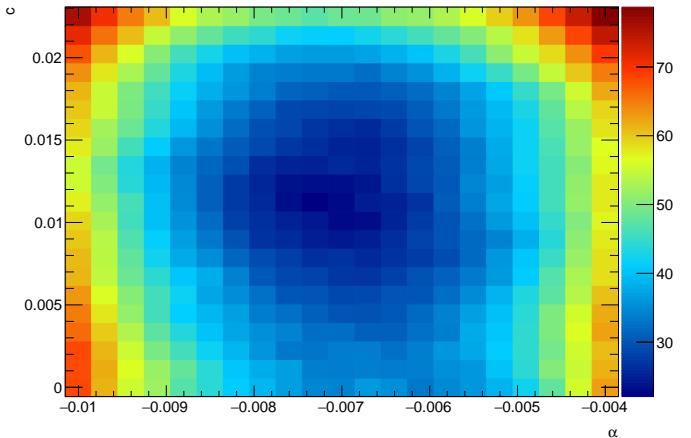
MCEvents : 119508

DataEvents : 19639

ThresholdMass : 55.0299

$$\alpha_{ij} = -0.00703004 \pm 0.000522713$$

$$\sigma_{ij} = 0.012082 \pm 0.00247302$$



21 ChiMatrix_5_4

Results

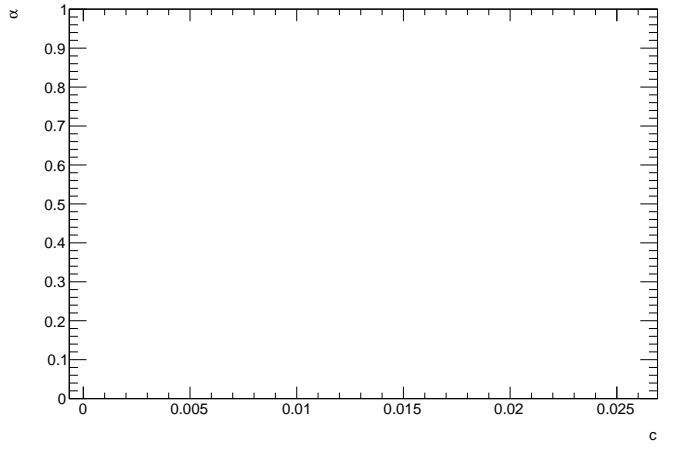
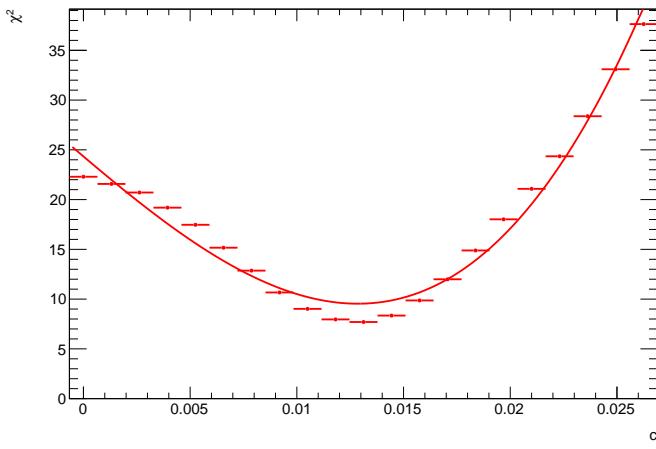
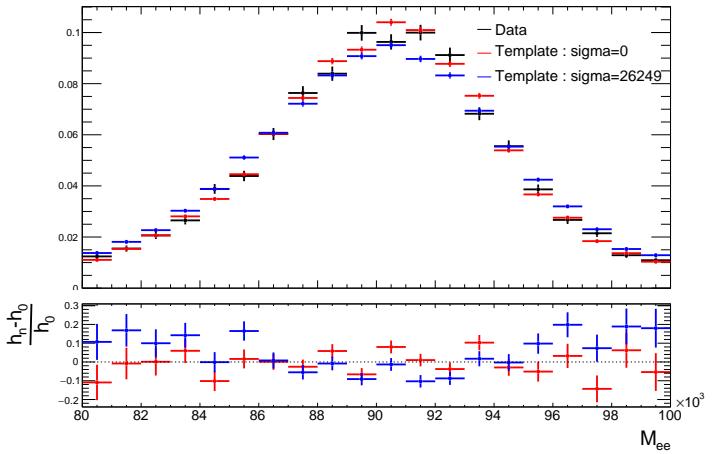
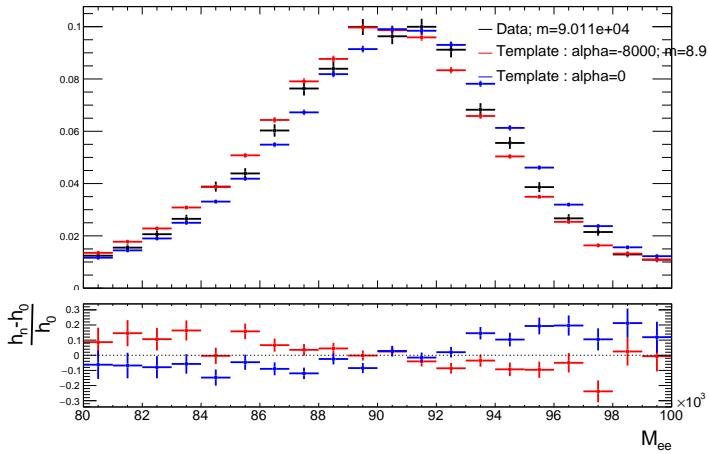
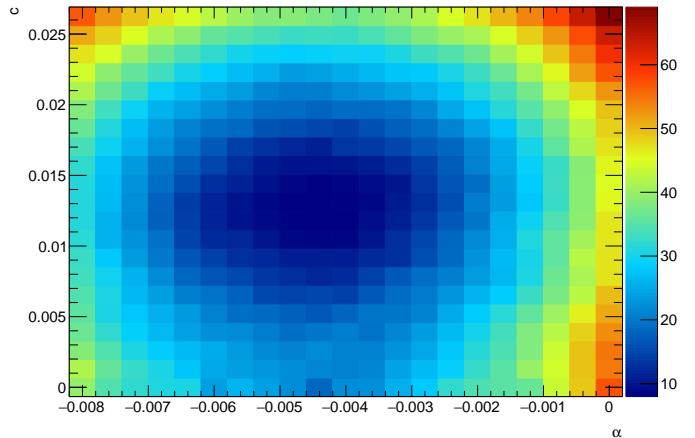
MCEvents : 82986

DataEvents : 12458

ThresholdMass : 54.2069

$$\alpha_{ij} = -0.00449256 \pm 0.000725297$$

$$\sigma_{ij} = 0.012856 \pm 0.00272189$$



22 ChiMatrix_5_5

Results

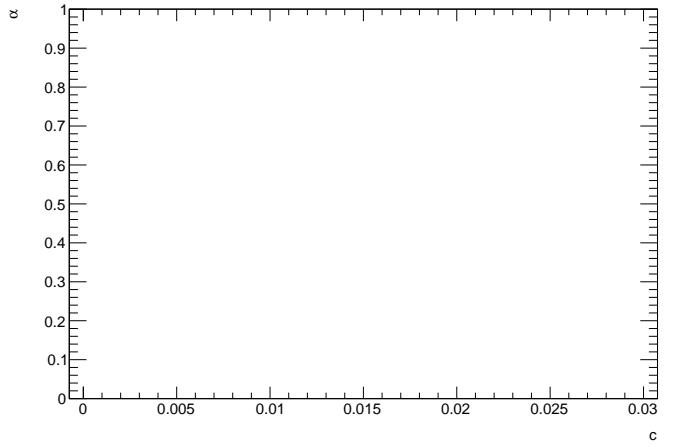
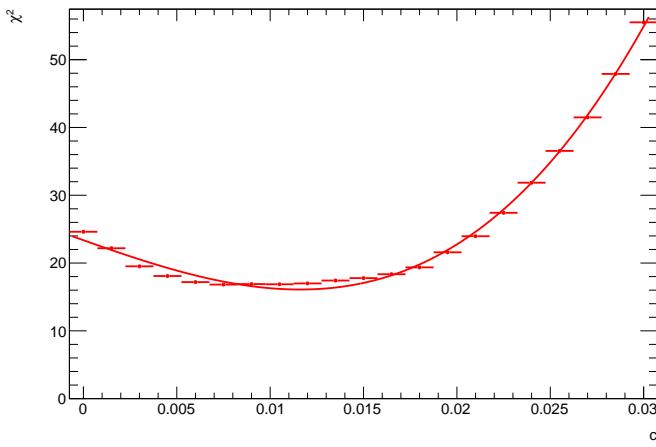
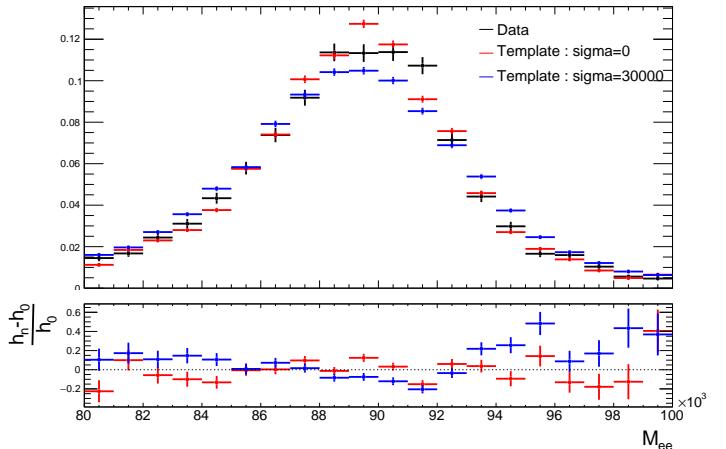
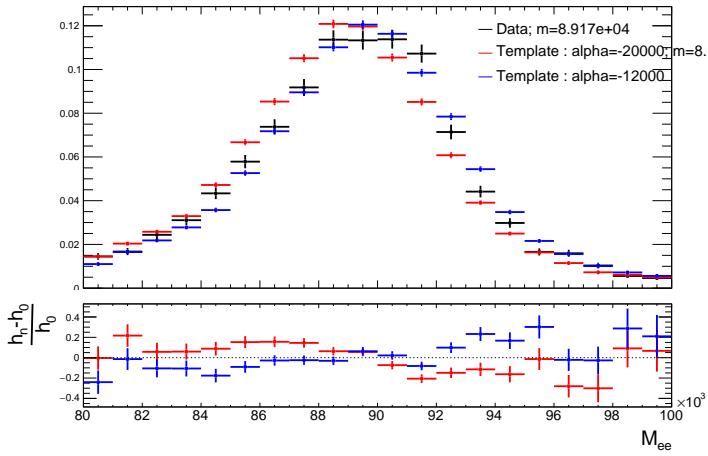
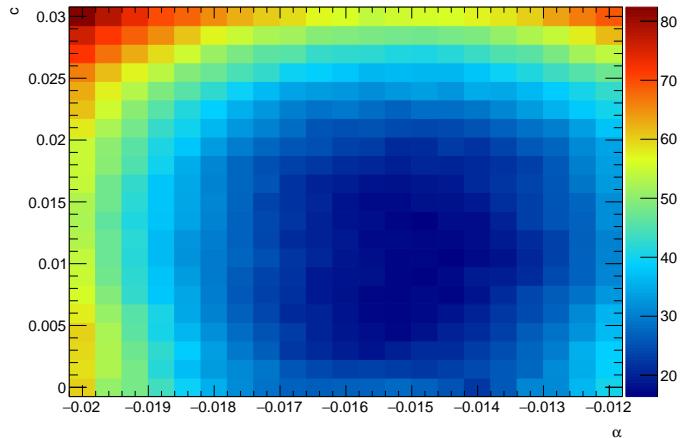
MCEvents : 44346

DataEvents : 7229

ThresholdMass : 54

$$\alpha_{ij} = -0.0150307 \pm 0.000837534$$

$$\sigma_{ij} = 0.0116053 \pm 0.00344241$$



23 ChiMatrix_6_0

Results

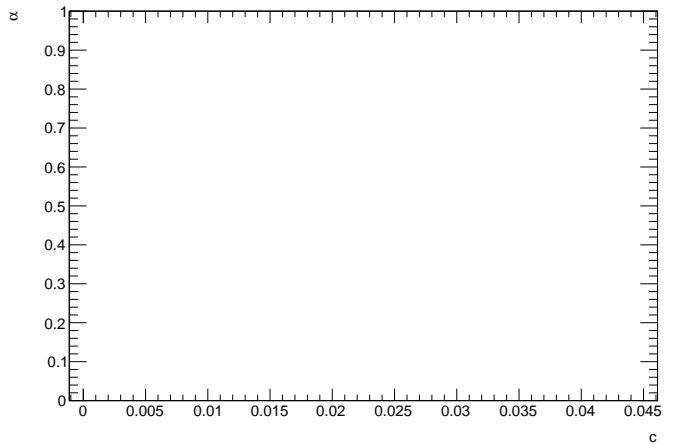
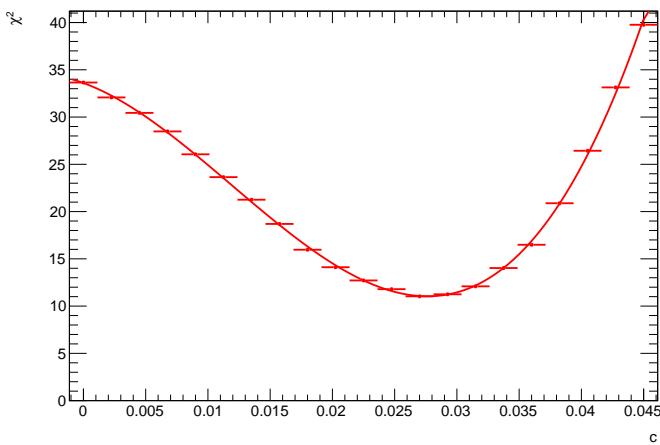
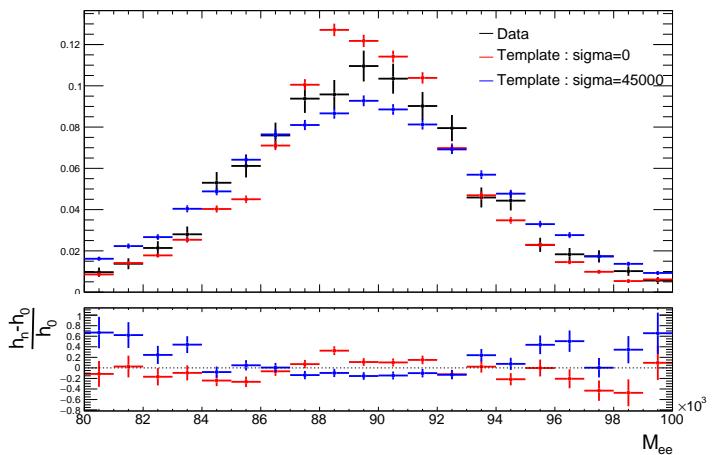
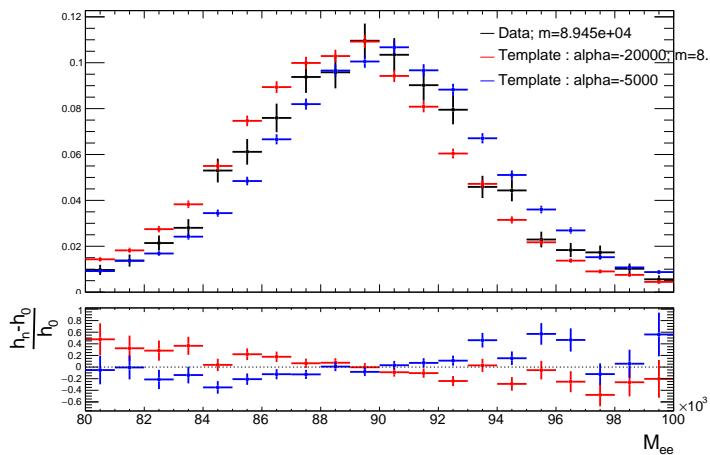
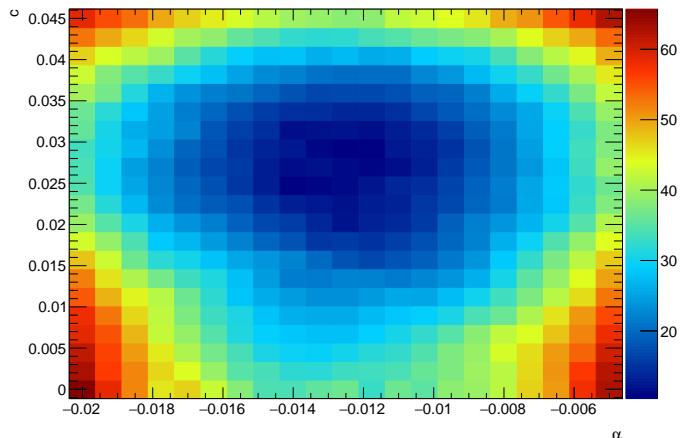
MCEvents : 19326

DataEvents : 2143

ThresholdMass : 66.4834

$$\alpha_{ij} = -0.0126959 \pm 0.00149434$$

$$\sigma_{ij} = 0.0276444 \pm 0.00361175$$



24 ChiMatrix_6_1

Results

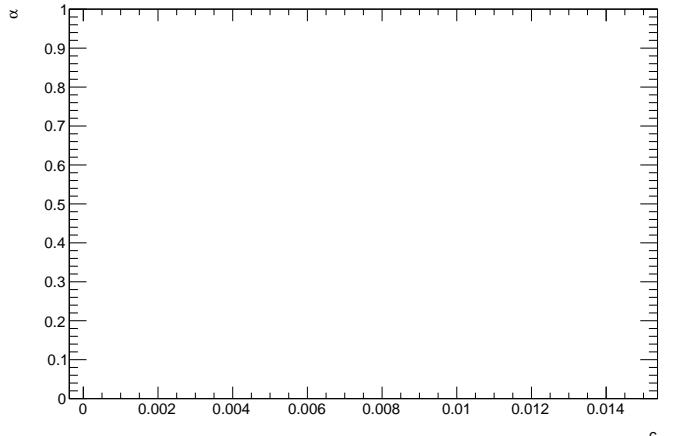
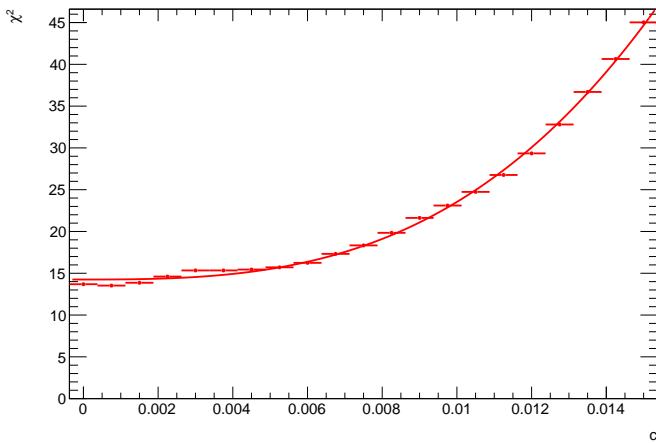
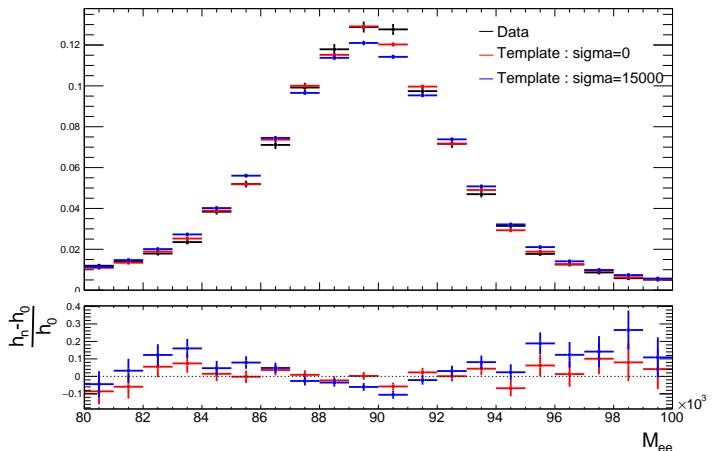
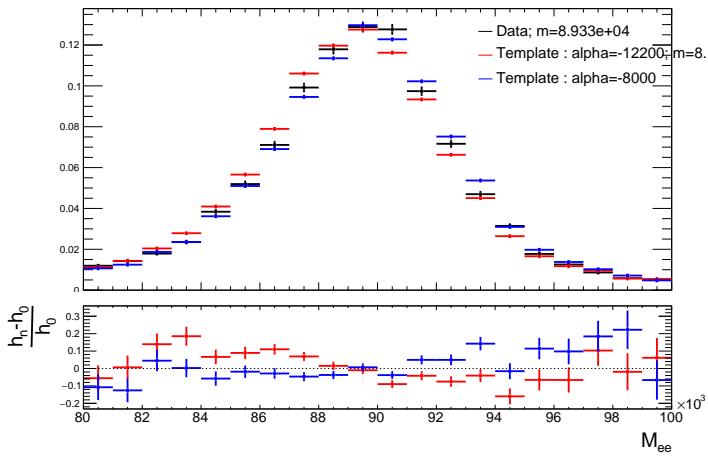
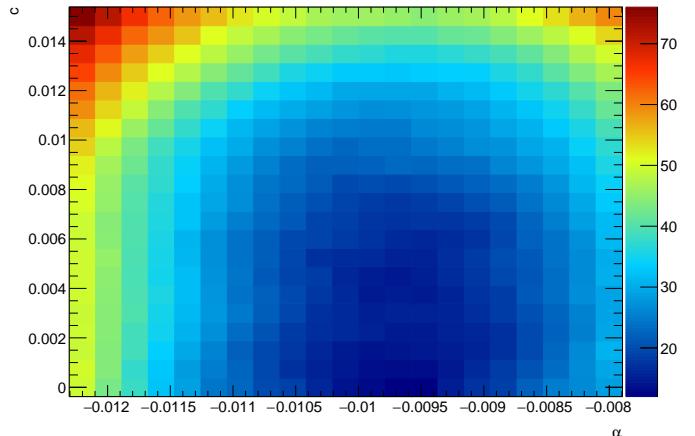
MCEvents : 131118

DataEvents : 20070

ThresholdMass : 63.1756

$$\alpha_{ij} = -0.00972382 \pm 0.000417655$$

$$\sigma_{ij} = 5.92224e - 14 \pm 0.00460574$$



25 ChiMatrix_6_2

Results

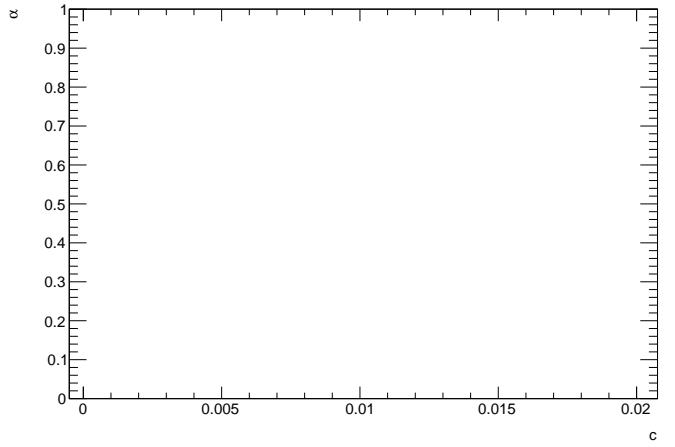
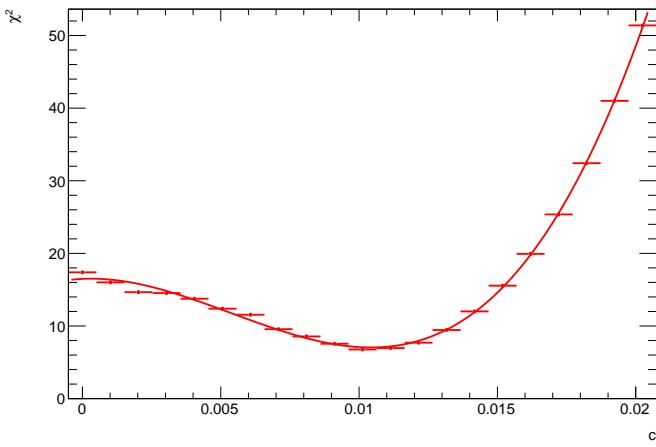
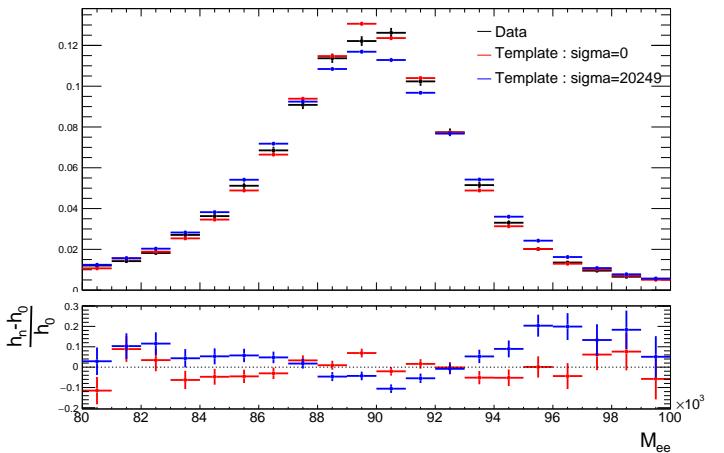
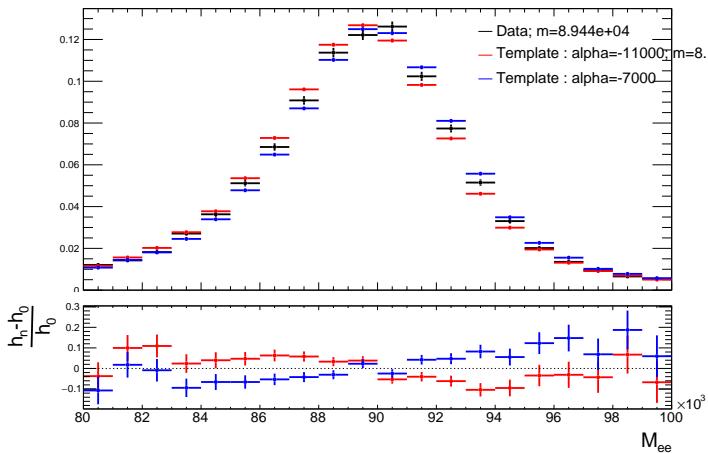
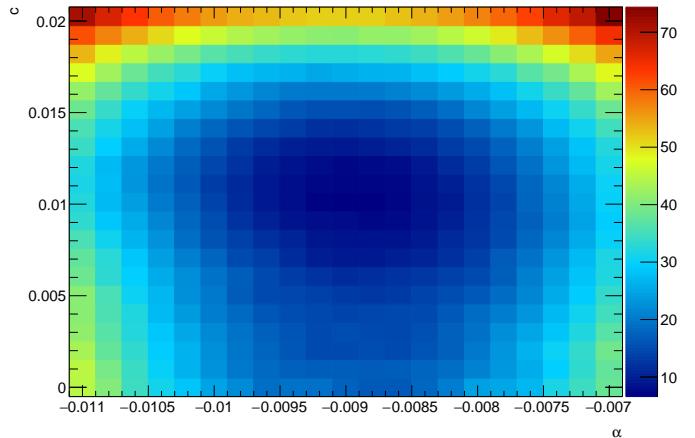
MCEvents : 151884

DataEvents : 24392

ThresholdMass : 58.9507

$$\alpha_{ij} = -0.00893611 \pm 0.000403677$$

$$\sigma_{ij} = 0.0104296 \pm 0.0017938$$



26 ChiMatrix_6_3

Results

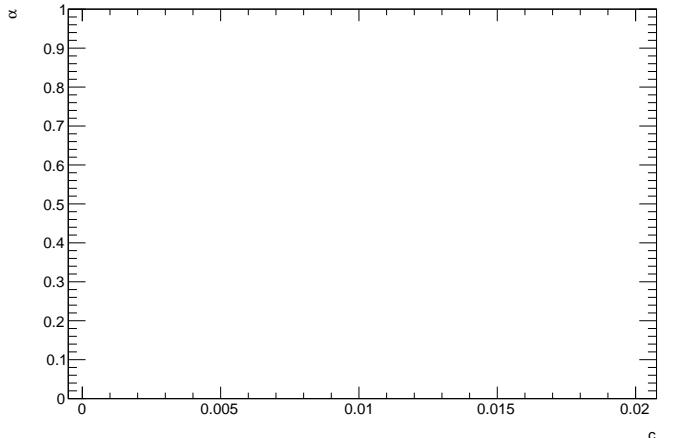
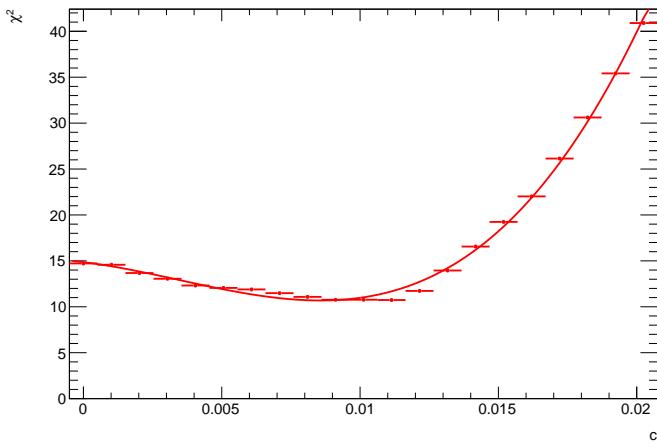
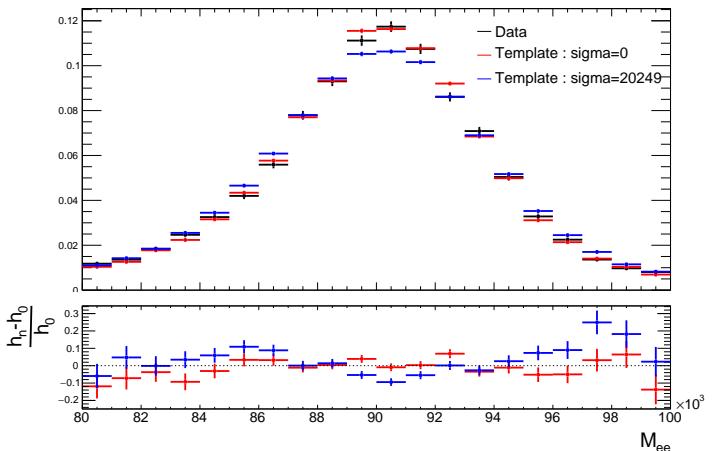
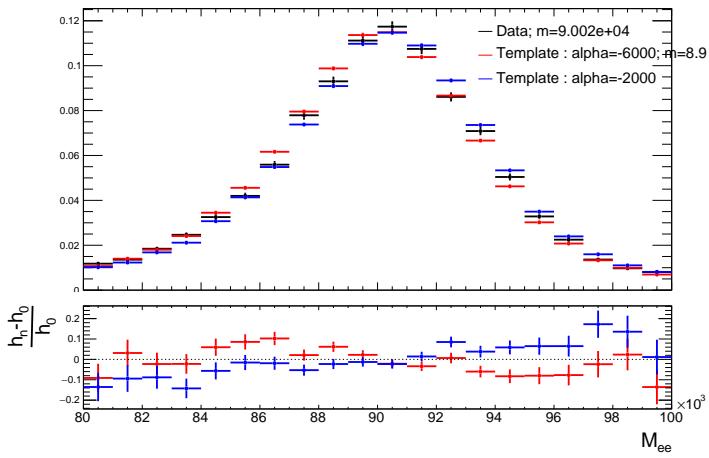
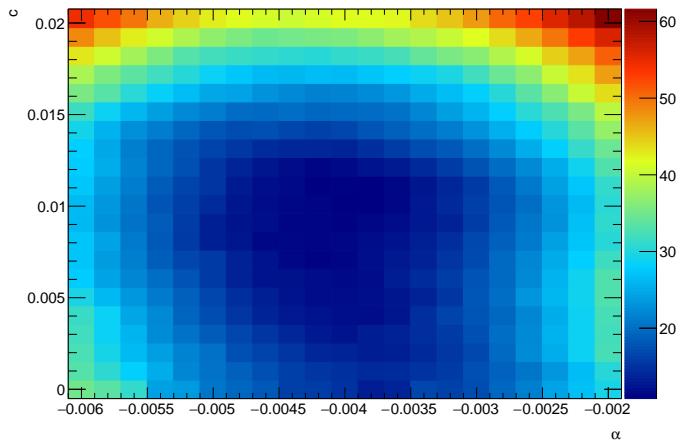
MCEvents : 144774

DataEvents : 23482

ThresholdMass : 56.2471

$$\alpha_{ij} = -0.00411188 \pm 0.000474672$$

$$\sigma_{ij} = 0.00856395 \pm 0.00258521$$



27 ChiMatrix_6_4

Results

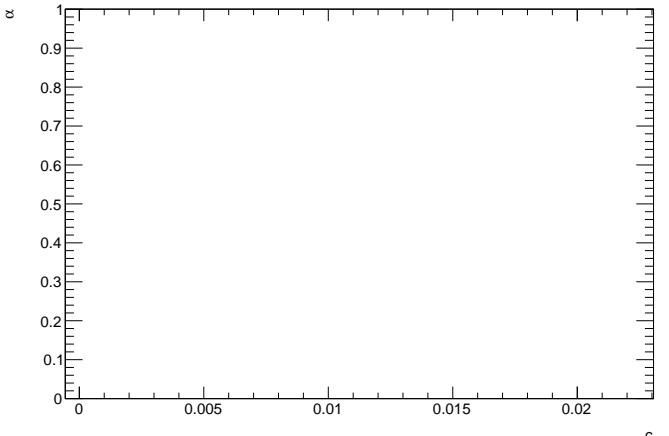
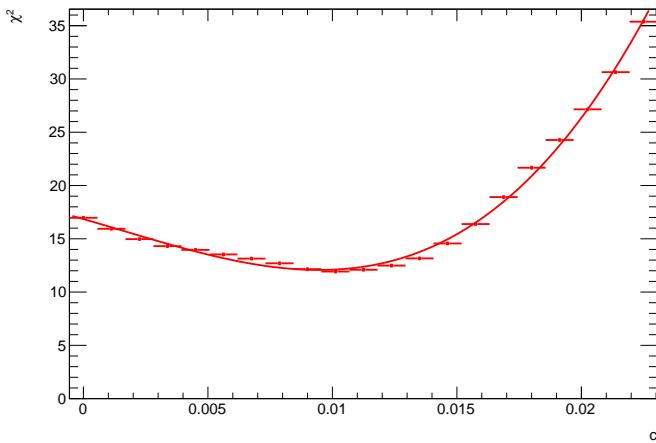
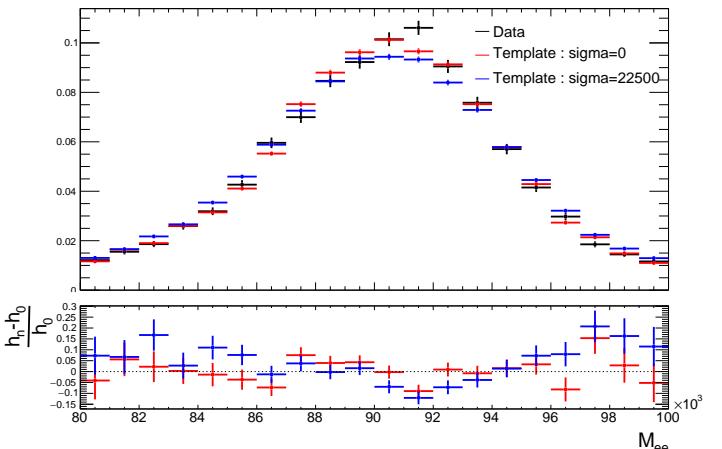
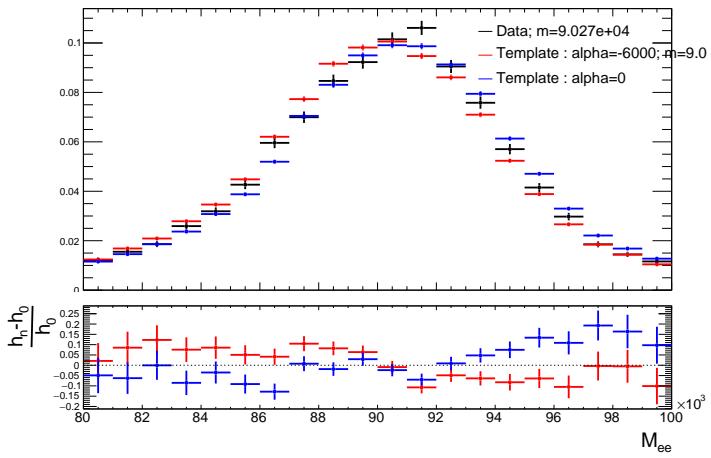
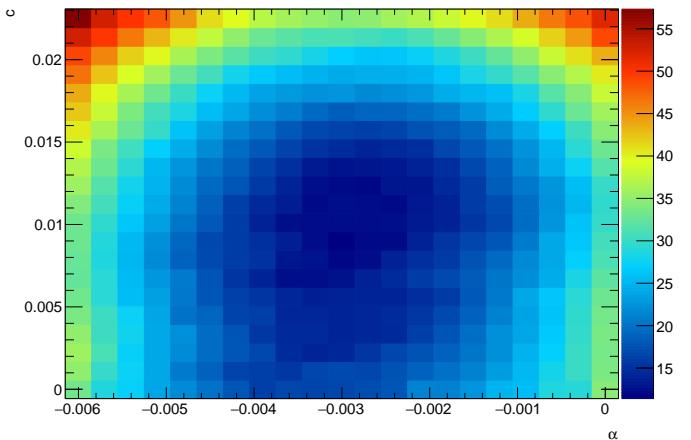
MCEvents : 97848

DataEvents : 15034

ThresholdMass : 54.8772

$$\alpha_{ij} = -0.00287524 \pm 0.000680327$$

$$\sigma_{ij} = 0.00947471 \pm 0.00314649$$



28 ChiMatrix_6_5

Results

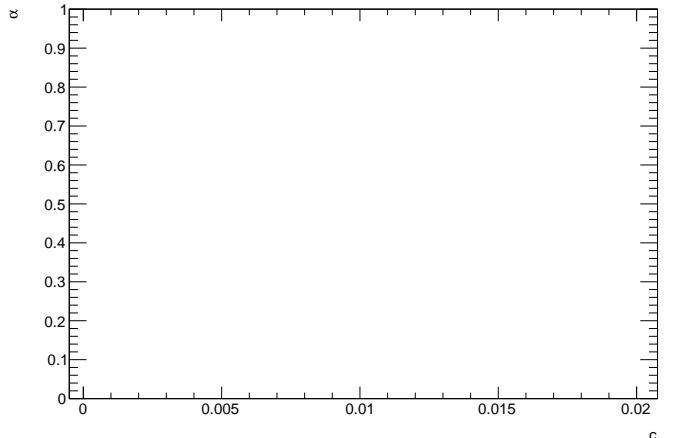
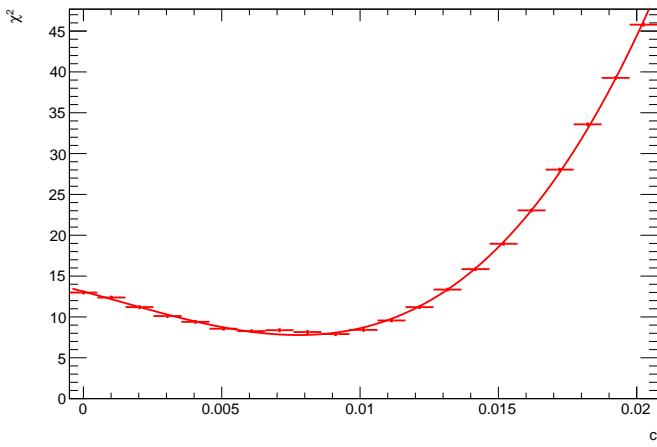
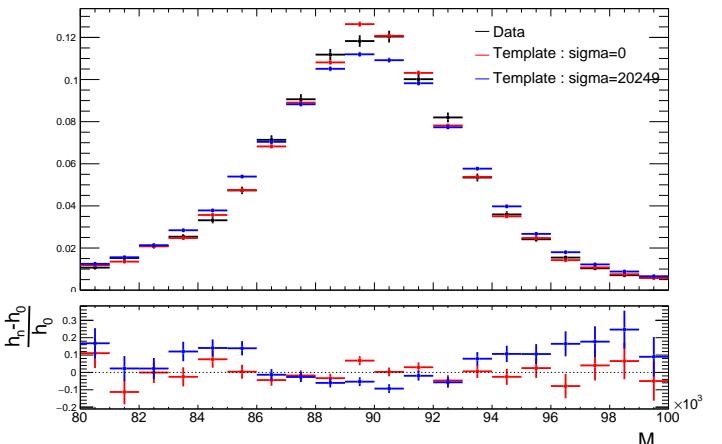
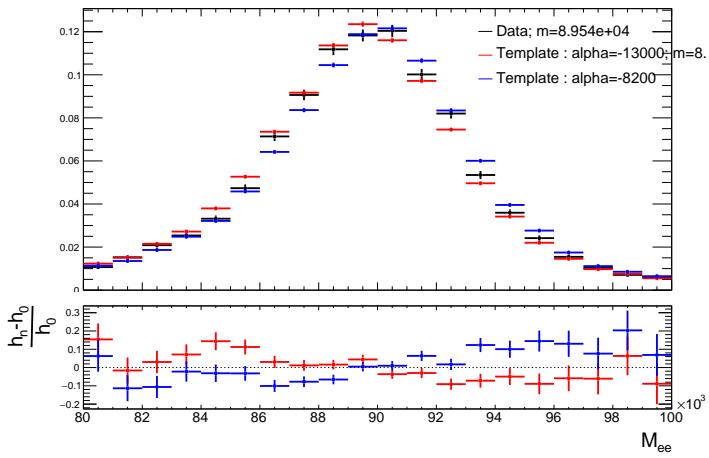
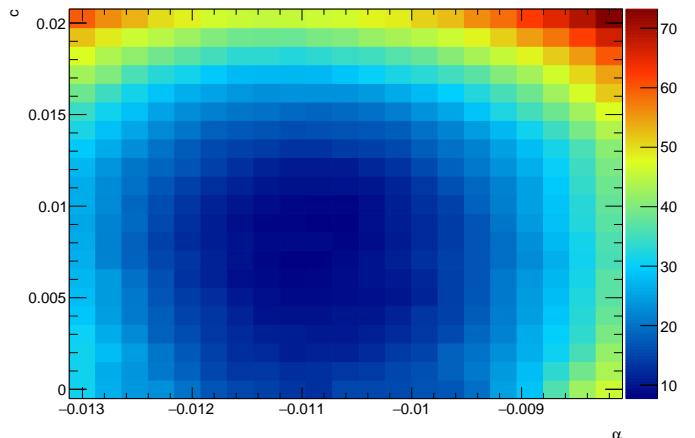
MCEvents : 109536

DataEvents : 17874

ThresholdMass : 54.2312

$$\alpha_{ij} = -0.0108854 \pm 0.000508281$$

$$\sigma_{ij} = 0.00776615 \pm 0.0024404$$



29 ChiMatrix_6_6

Results

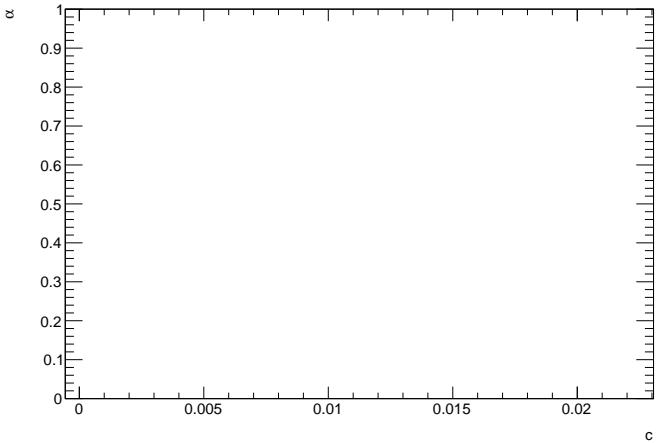
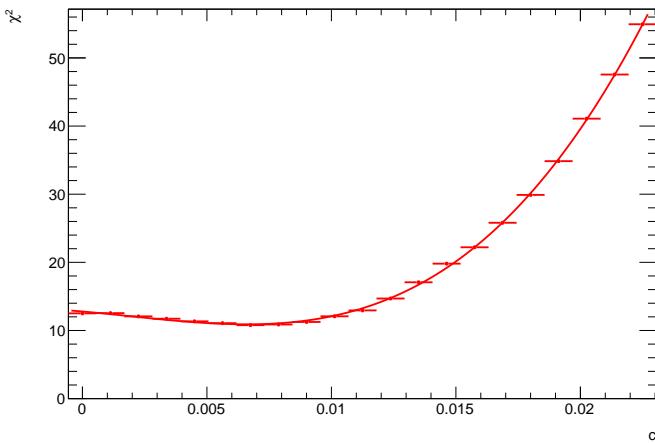
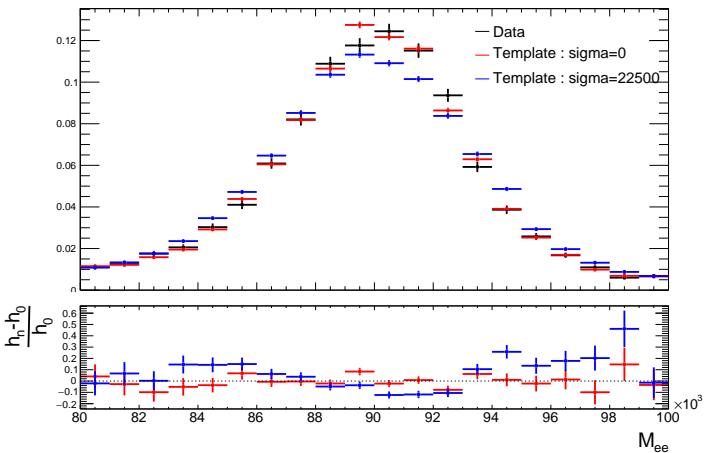
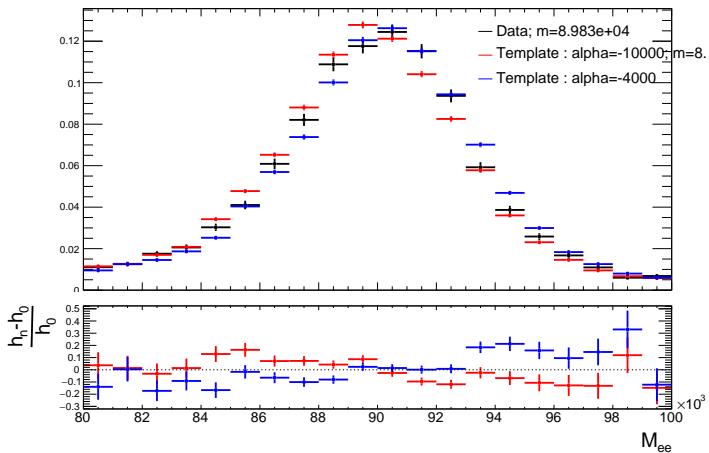
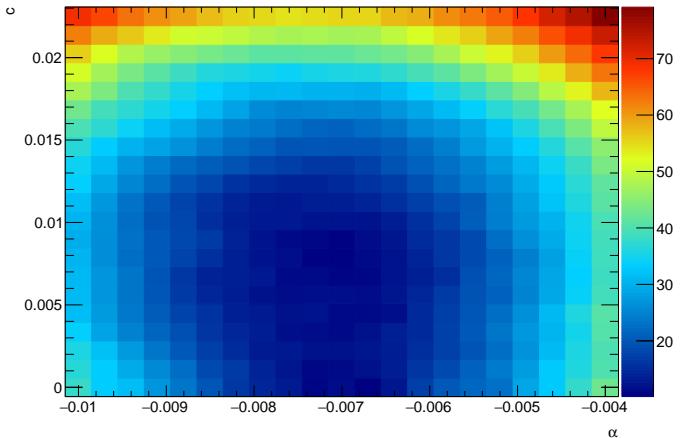
MCEvents : 65250

DataEvents : 11051

ThresholdMass : 54

$$\alpha_{ij} = -0.00724816 \pm 0.000614828$$

$$\sigma_{ij} = 0.00659139 \pm 0.00316273$$



30 ChiMatrix_7_1

Results

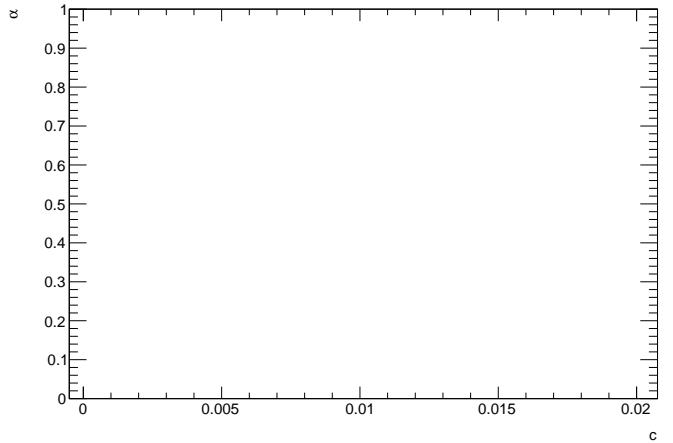
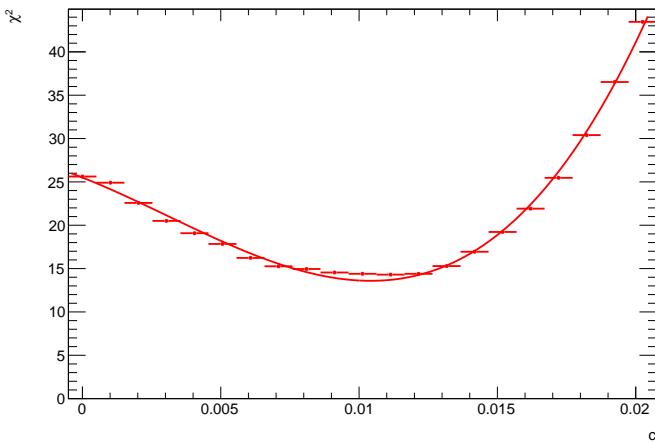
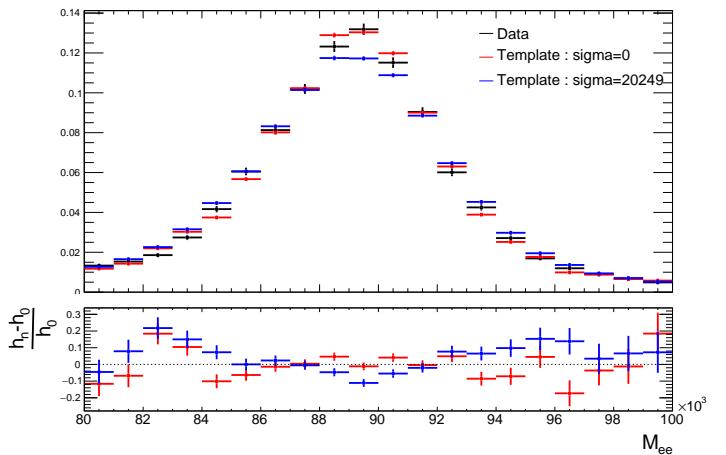
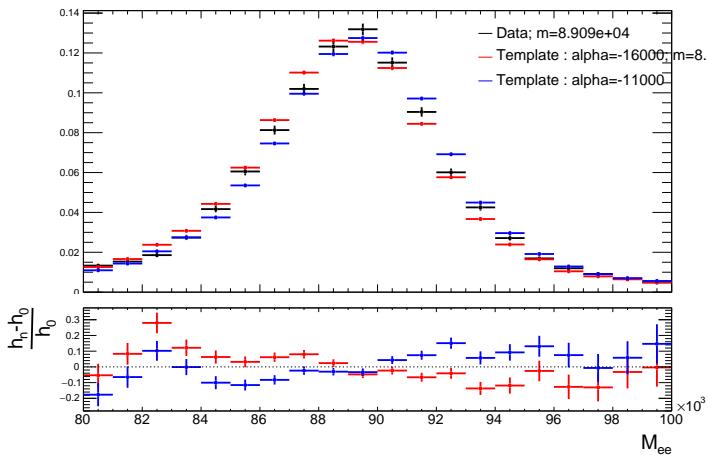
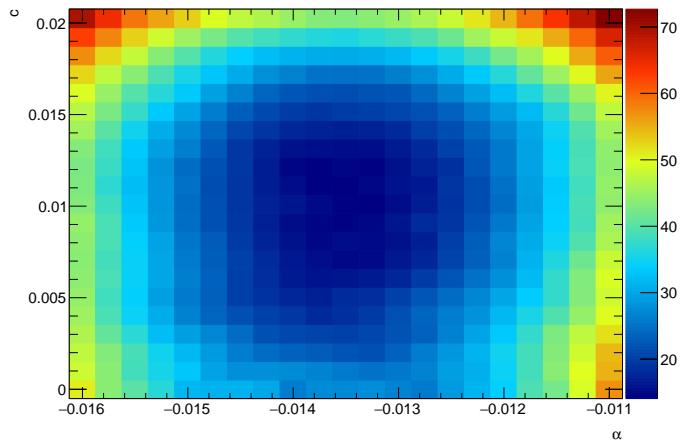
MCEvents : 123612

DataEvents : 17947

ThresholdMass : 66.7761

$$\alpha_{ij} = -0.0135222 \pm 0.000460483$$

$$\sigma_{ij} = 0.0104197 \pm 0.00209078$$



31 ChiMatrix_7_2

Results

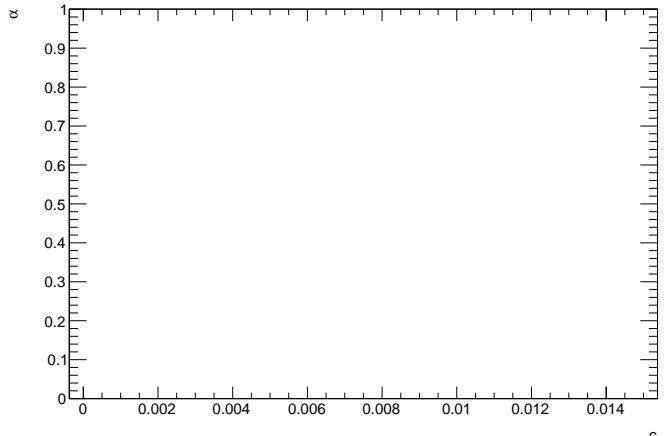
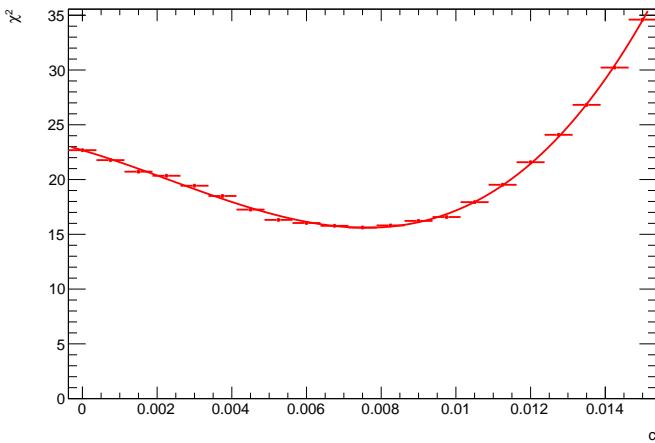
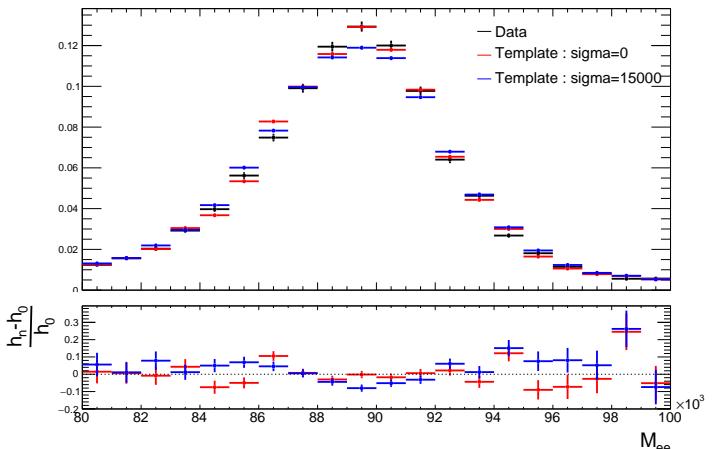
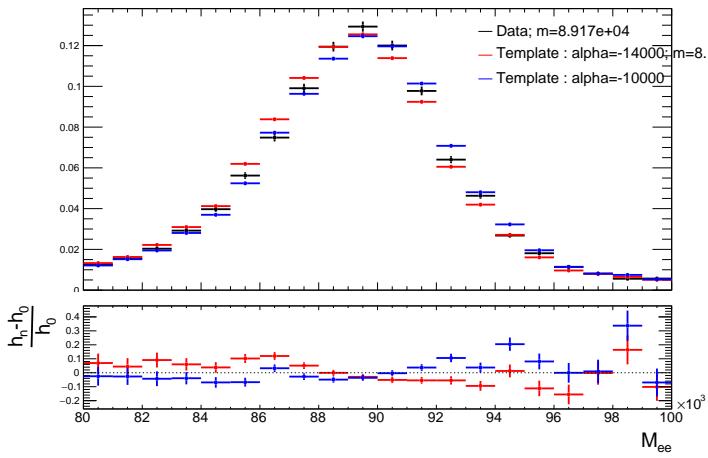
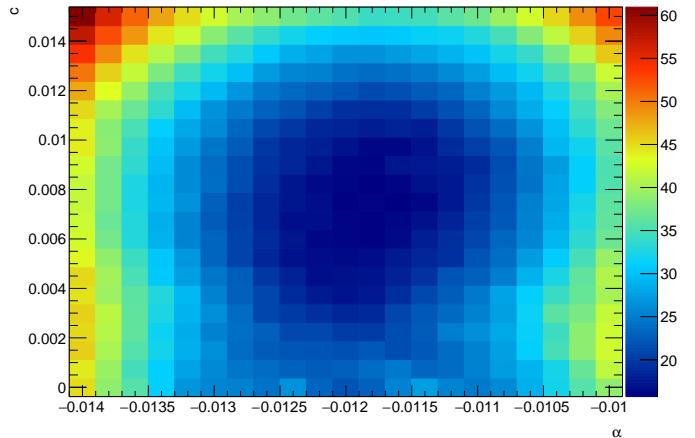
MCEvents : 146958

DataEvents : 23419

ThresholdMass : 61.6144

$$\alpha_{ij} = -0.0118646 \pm 0.000414201$$

$$\sigma_{ij} = 0.00759487 \pm 0.00194313$$



32 ChiMatrix_7_3

Results

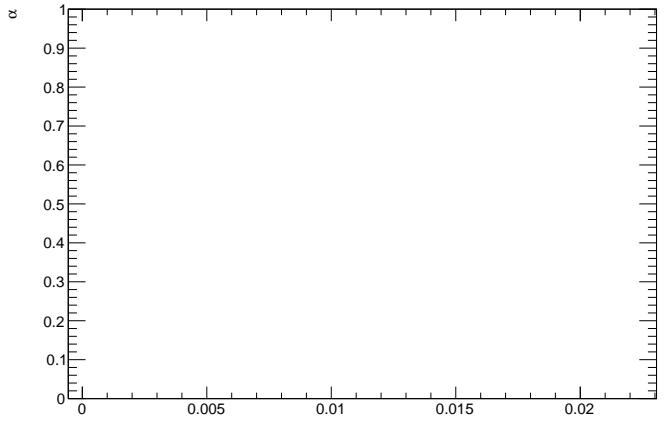
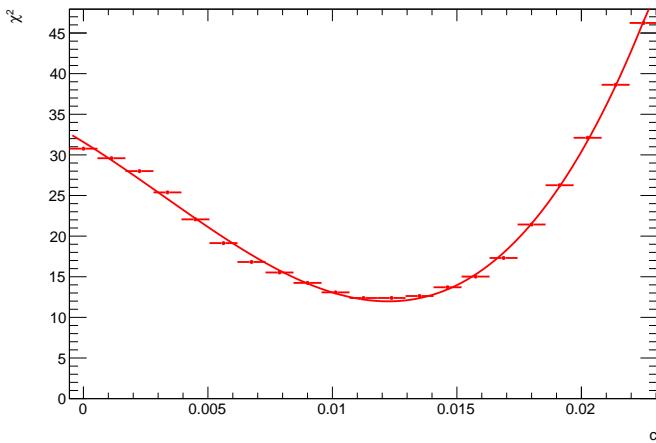
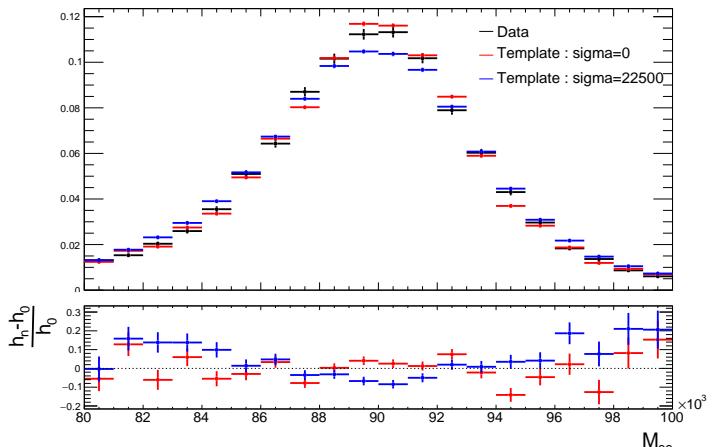
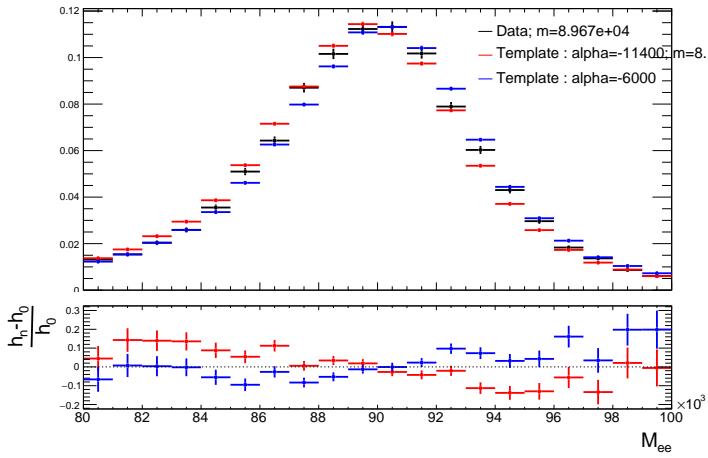
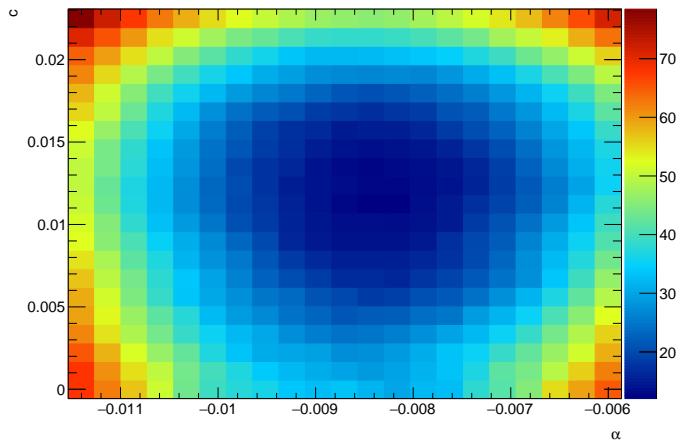
MCEvents : 142590

DataEvents : 23125

ThresholdMass : 58.1052

$$\alpha_{ij} = -0.00839644 \pm 0.000498783$$

$$\sigma_{ij} = 0.0122398 \pm 0.00197773$$



33 ChiMatrix_7_4

Results

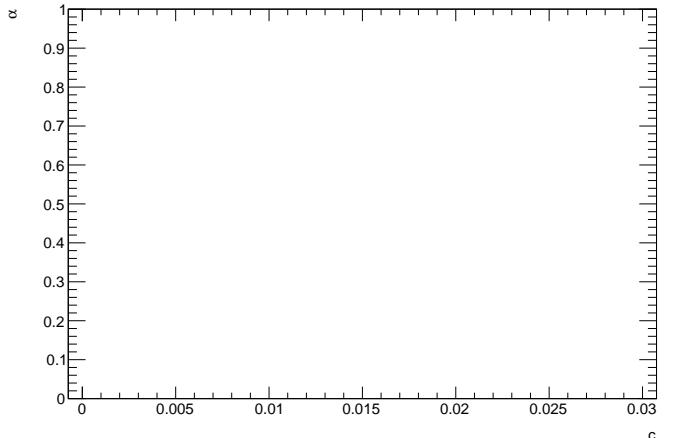
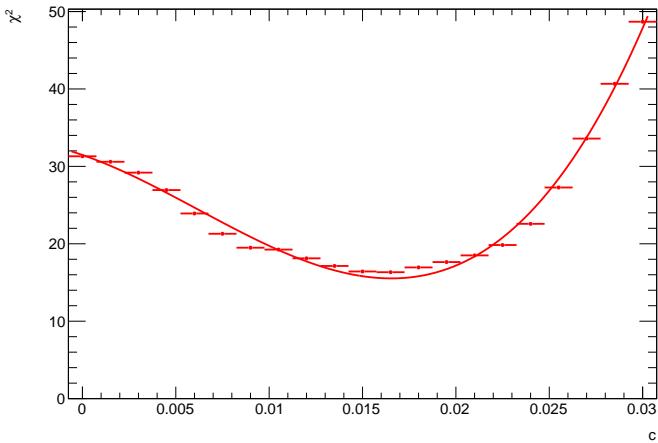
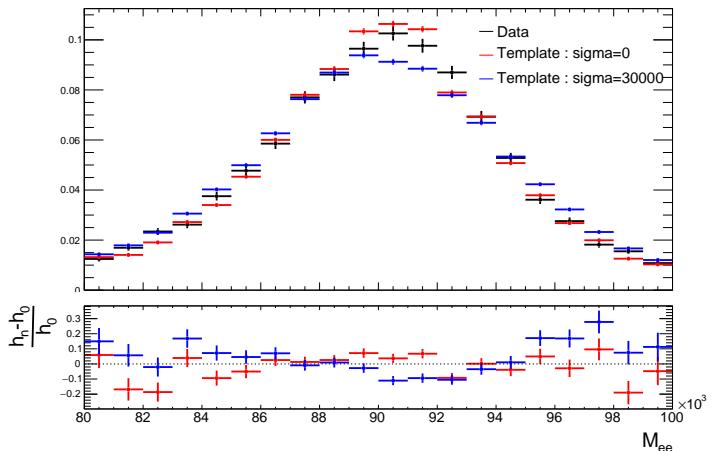
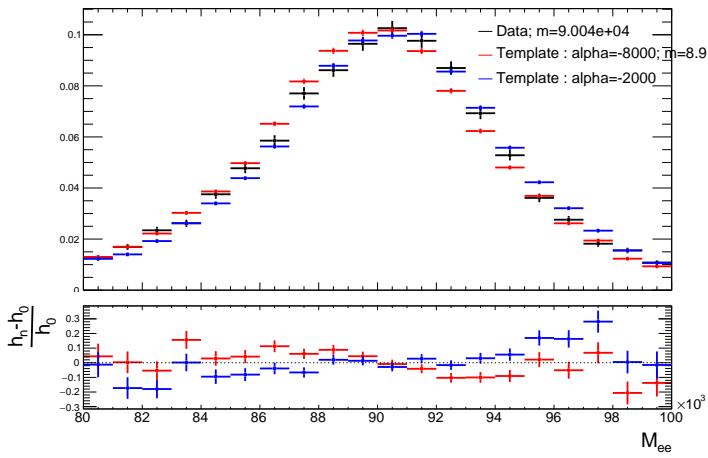
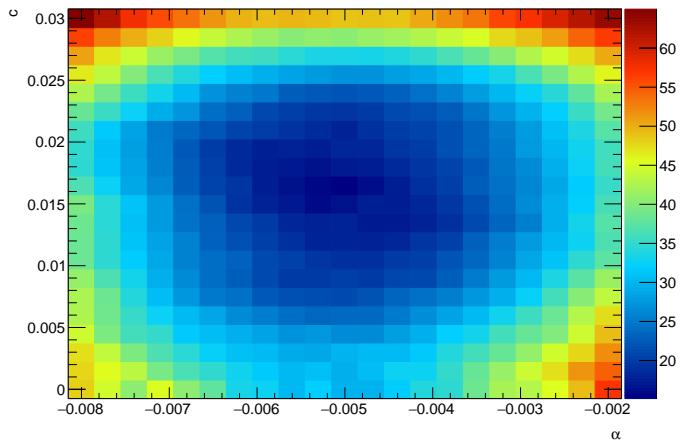
MCEvents : 99588

DataEvents : 14667

ThresholdMass : 56.1307

$$\alpha_{ij} = -0.00501653 \pm 0.000673486$$

$$\sigma_{ij} = 0.0165415 \pm 0.00271787$$



34 ChiMatrix_7_5

Results

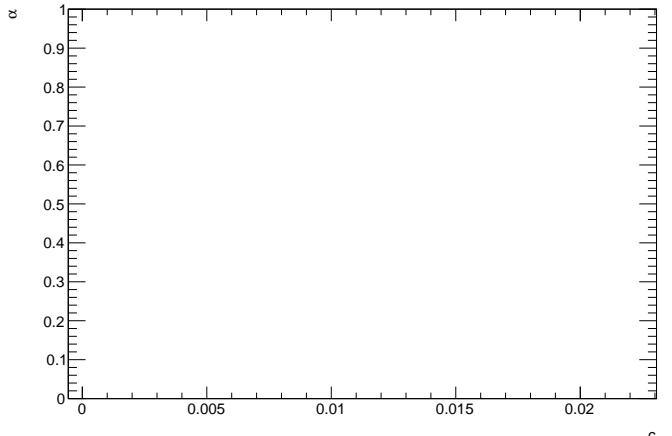
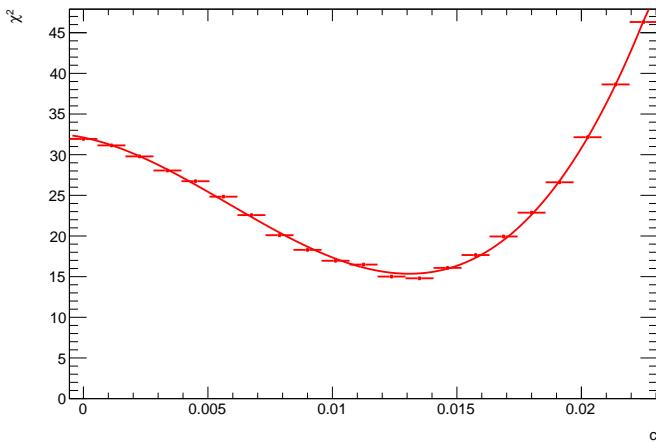
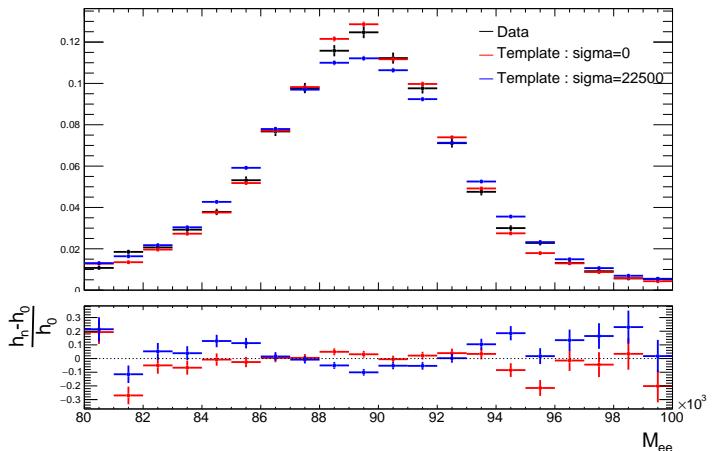
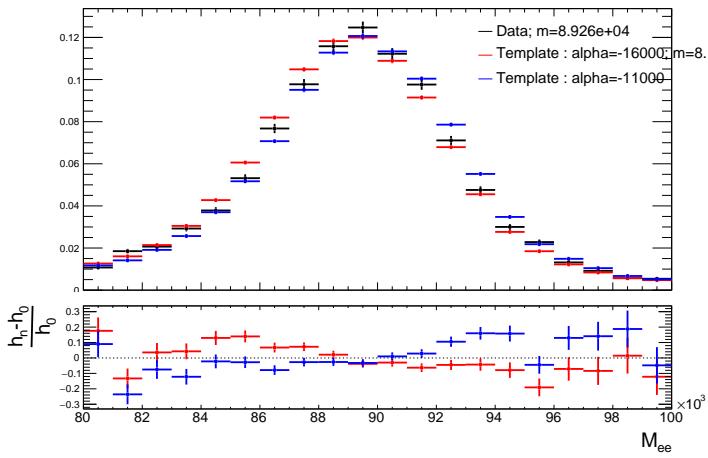
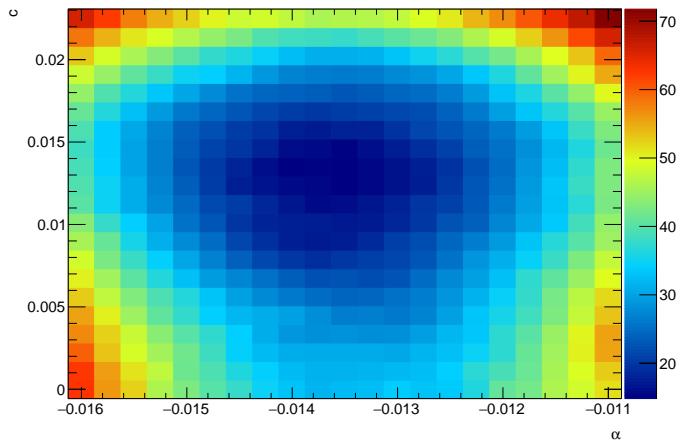
MCEvents : 109926

DataEvents : 18062

ThresholdMass : 55.0036

$$\alpha_{ij} = -0.0135789 \pm 0.000490359$$

$$\sigma_{ij} = 0.0130841 \pm 0.0019355$$



35 ChiMatrix_7_6

Results

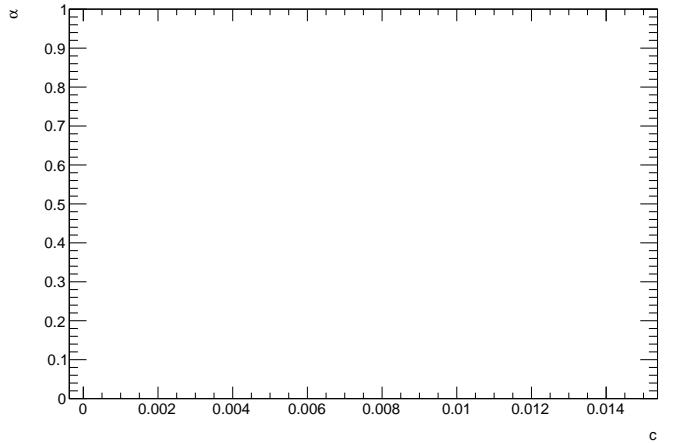
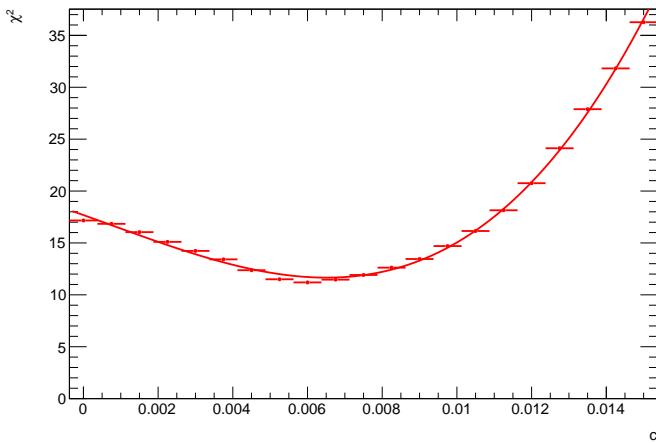
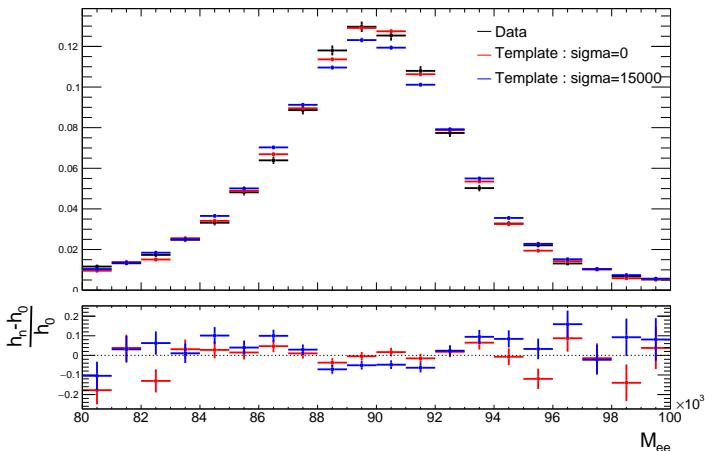
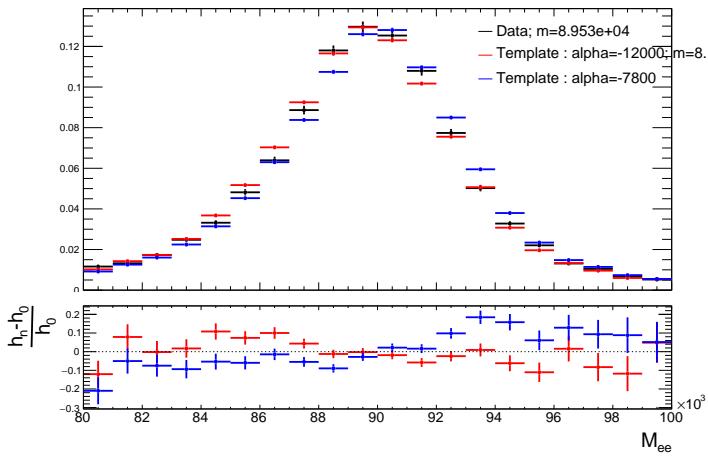
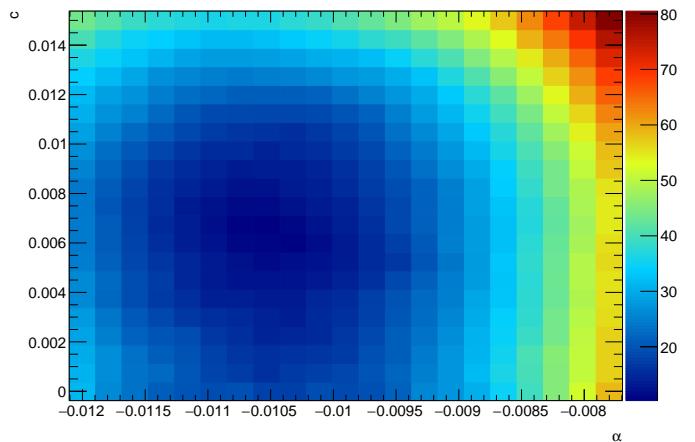
MCEvents : 133692

DataEvents : 22653

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.0105325 \pm 0.00041564$$

$$\sigma_{ij} = 0.0065101 \pm 0.00197058$$



36 ChiMatrix_7_7

Results

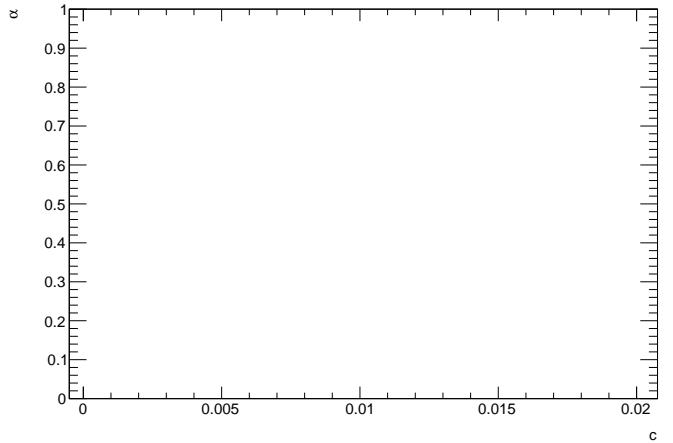
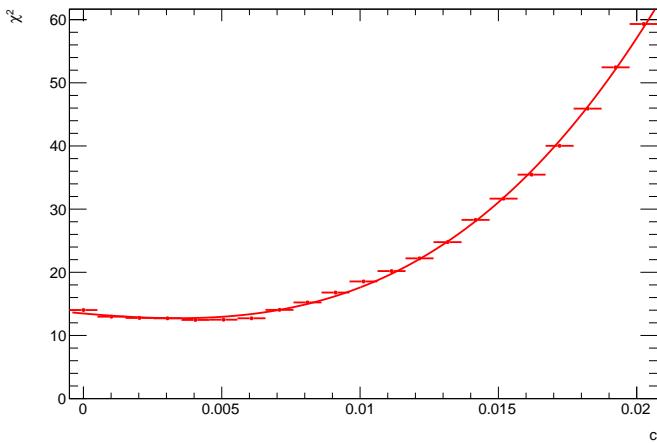
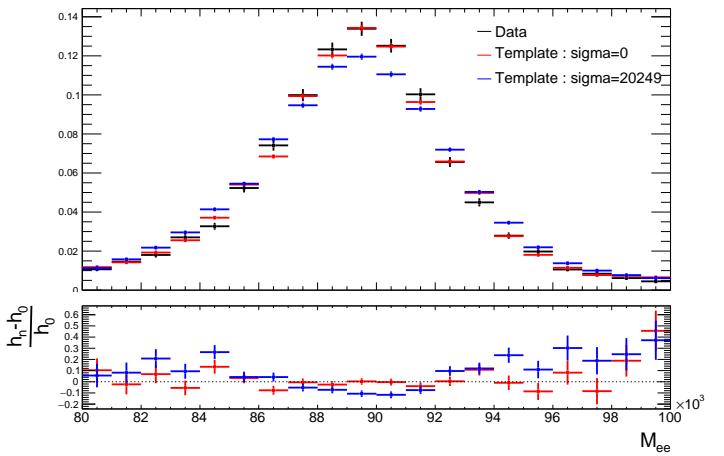
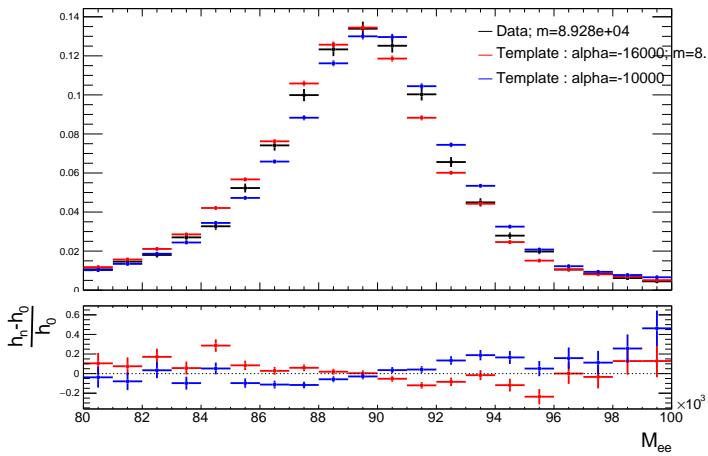
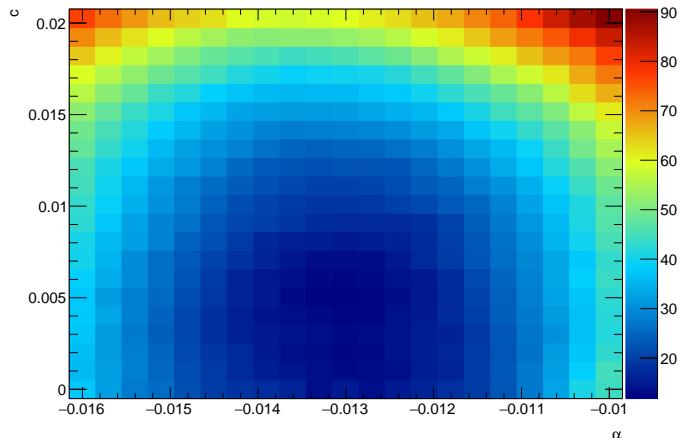
MCEvents : 69096

DataEvents : 11614

ThresholdMass : 54

$$\alpha_{ij} = -0.0131243 \pm 0.000584098$$

$$\sigma_{ij} = 0.00342389 \pm 0.00322654$$



37 ChiMatrix_8_2

Results

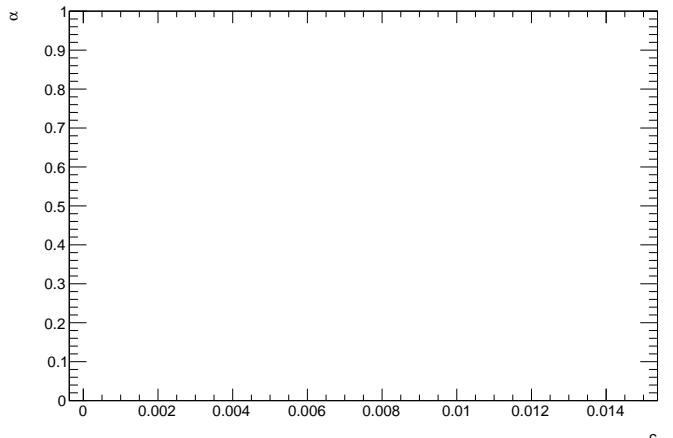
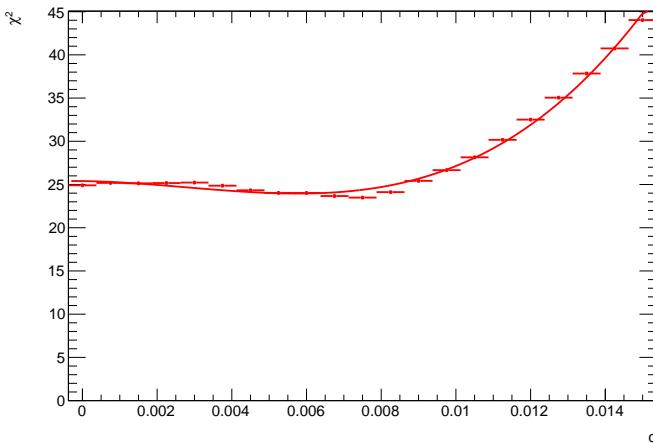
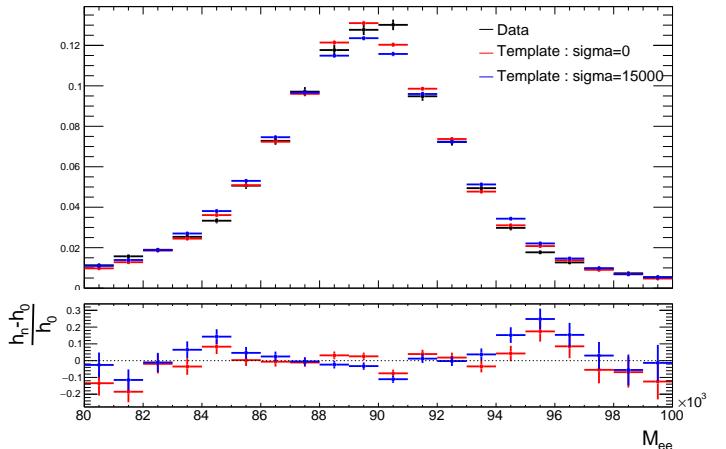
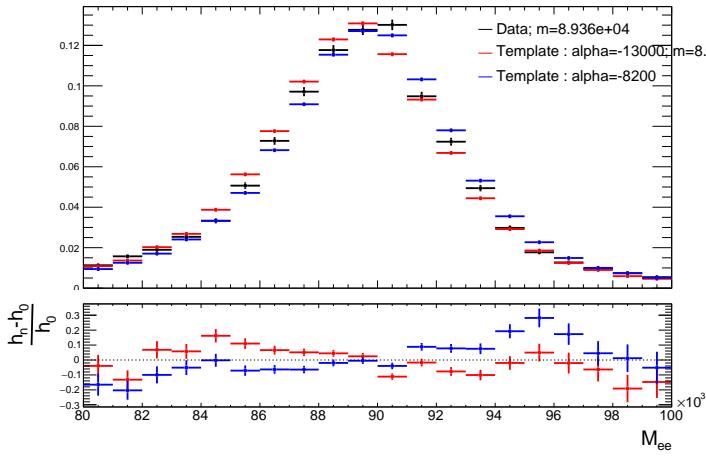
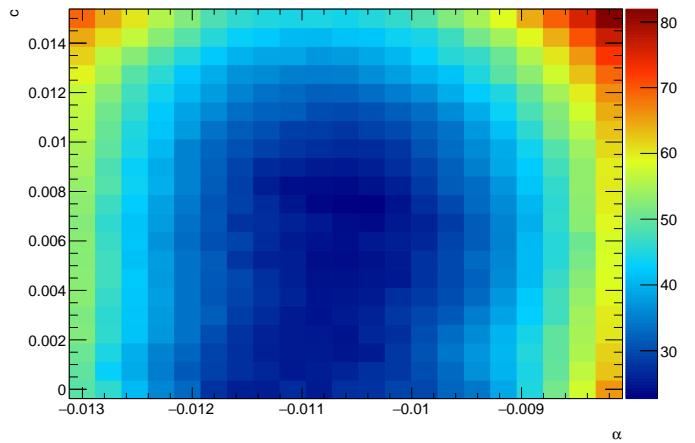
MCEvents : 136176

DataEvents : 21109

ThresholdMass : 64.8947

$$\alpha_{ij} = -0.0106886 \pm 0.000432429$$

$$\sigma_{ij} = 0.00576575 \pm 0.00254073$$



38 ChiMatrix_8_3

Results

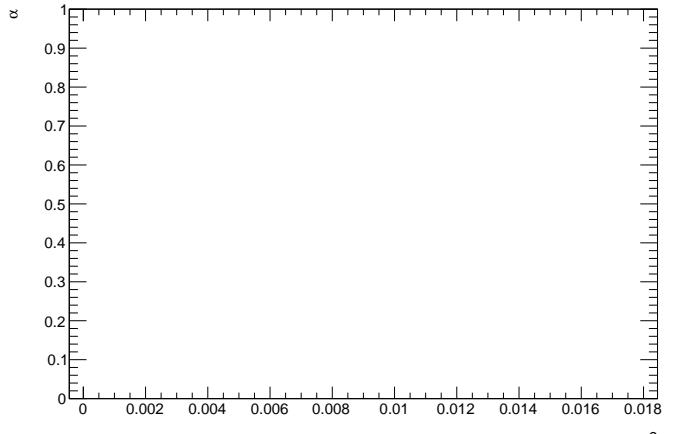
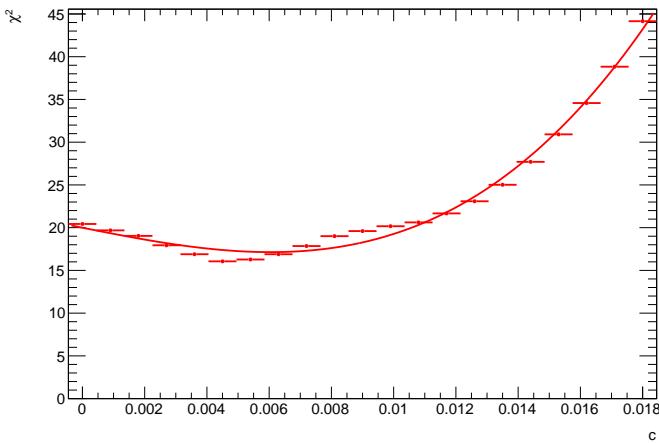
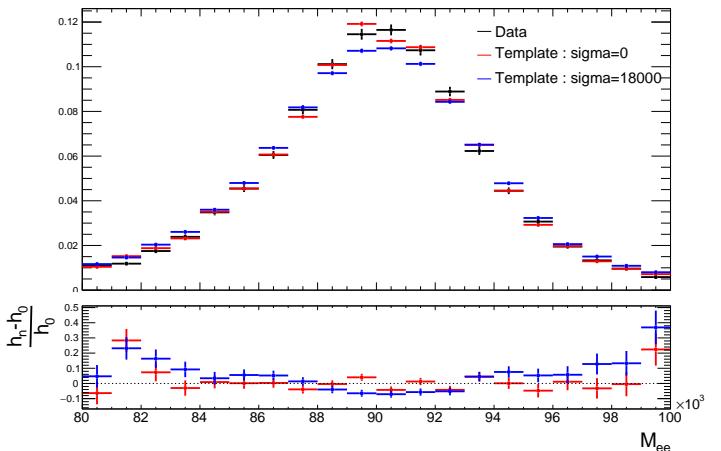
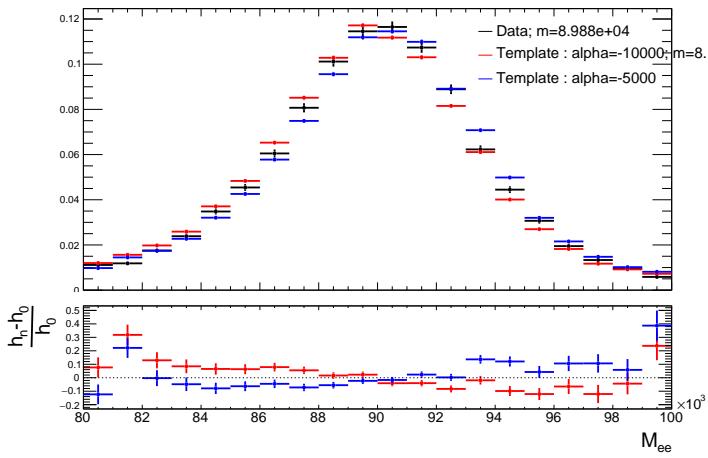
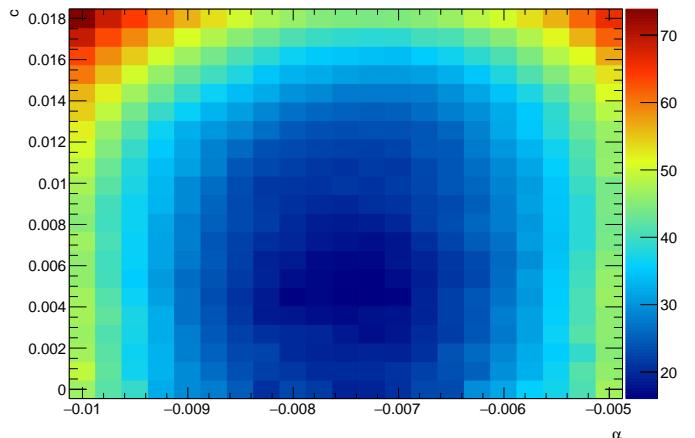
MCEvents : 138120

DataEvents : 21865

ThresholdMass : 60.5448

$$\alpha_{ij} = -0.00747914 \pm 0.00046815$$

$$\sigma_{ij} = 0.00604784 \pm 0.0027811$$



39 ChiMatrix_8_4

Results

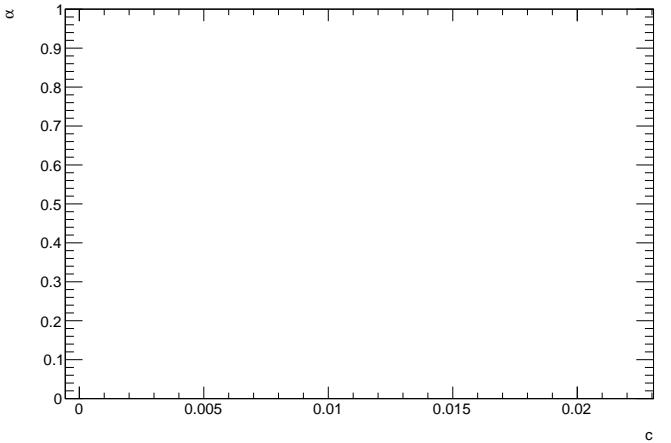
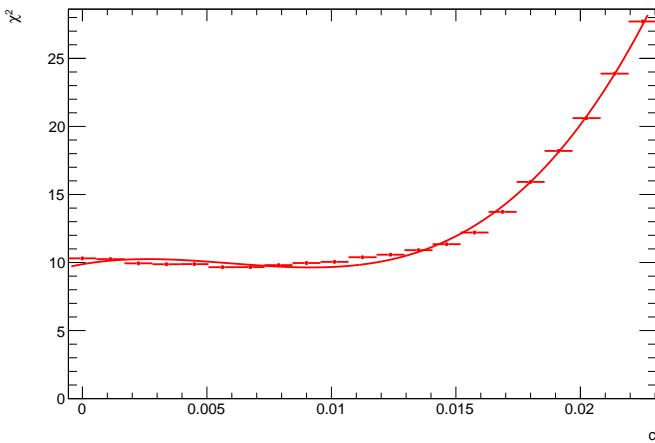
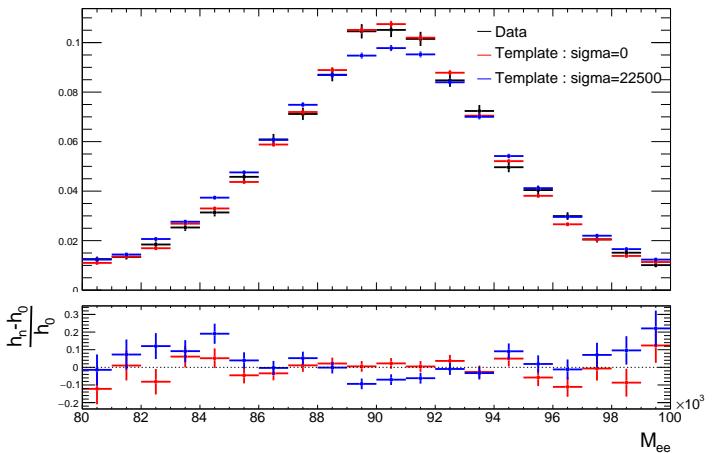
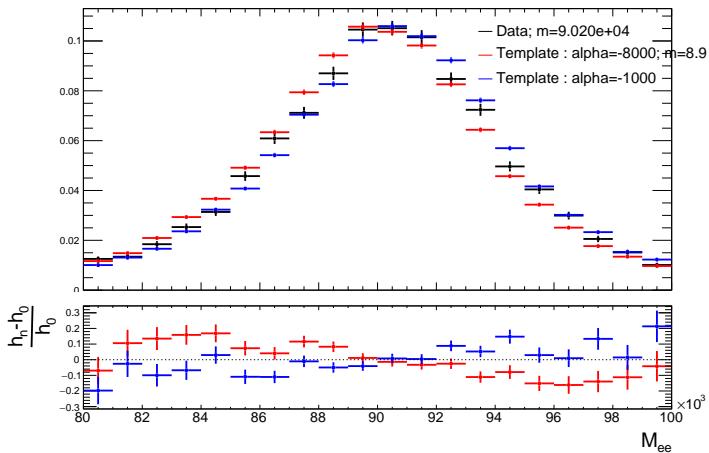
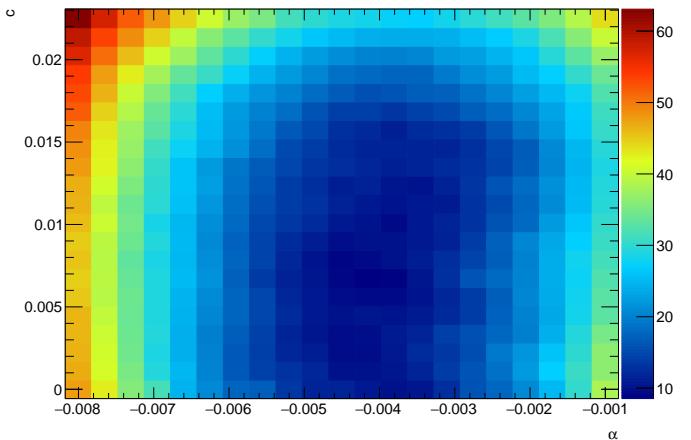
MCEvents : 96564

DataEvents : 14103

ThresholdMass : 57.9459

$$\alpha_{ij} = -0.00404921 \pm 0.000658242$$

$$\sigma_{ij} = 0.00919063 \pm 0.00406741$$



40 ChiMatrix_8_5

Results

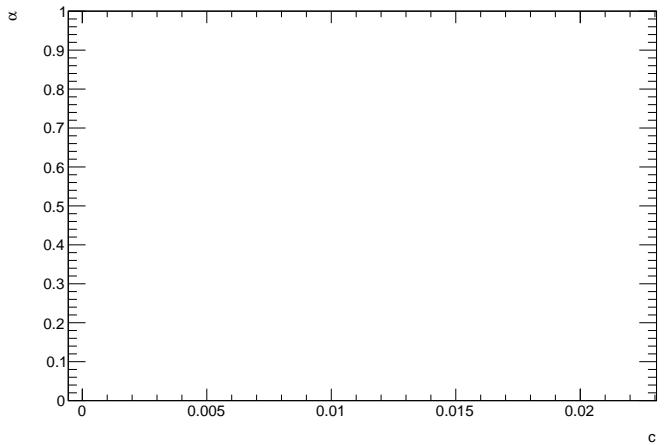
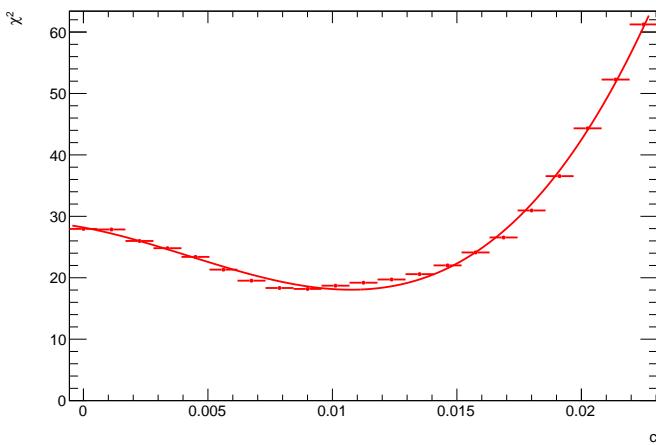
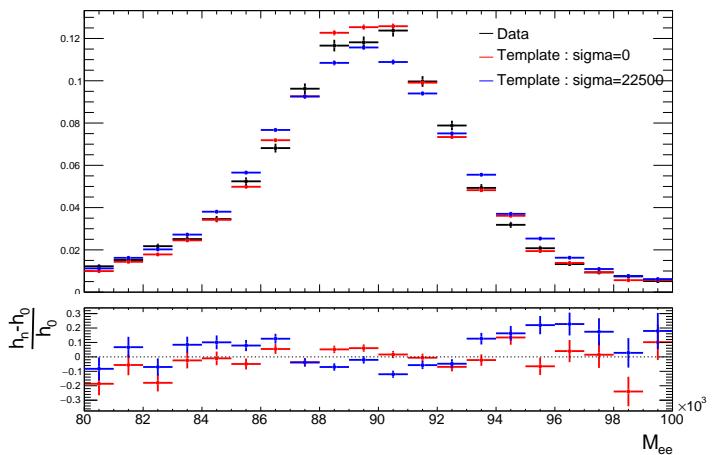
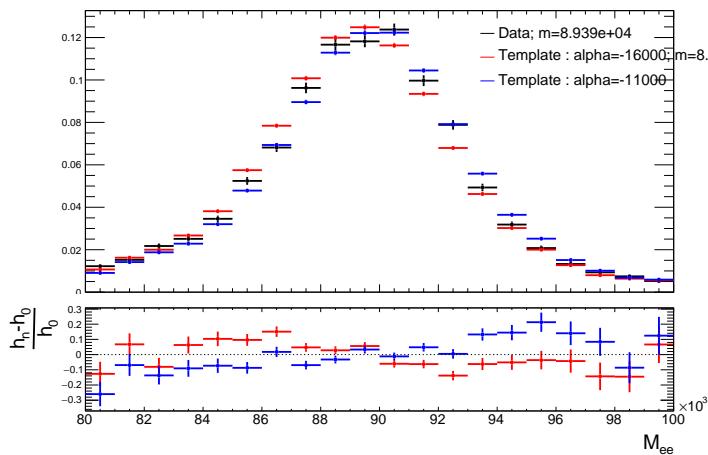
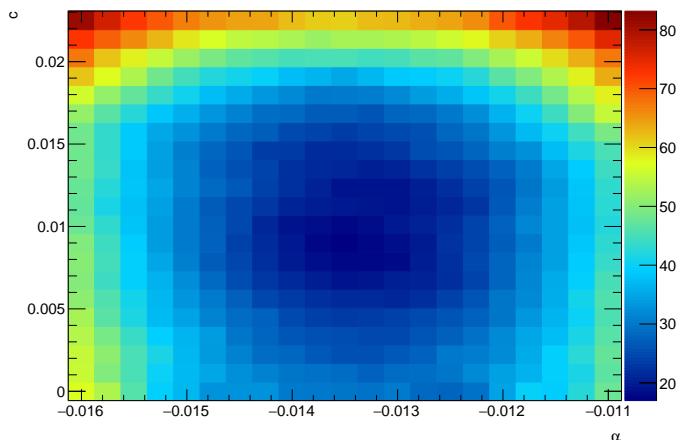
MCEvents : 109980

DataEvents : 17467

ThresholdMass : 56.3265

$$\alpha_{ij} = -0.0133713 \pm 0.000491281$$

$$\sigma_{ij} = 0.0107449 \pm 0.00215768$$



41 ChiMatrix_8_6

Results

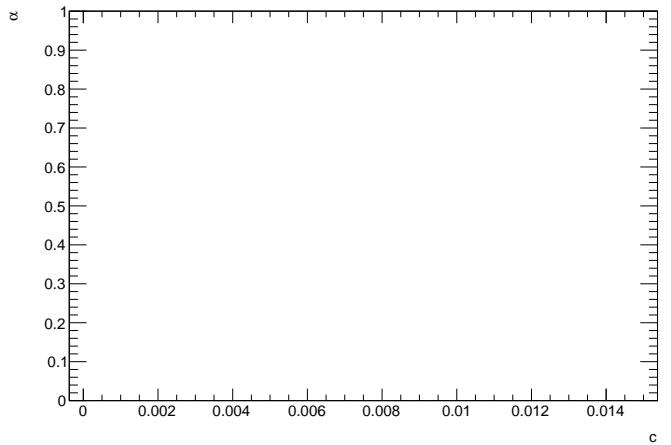
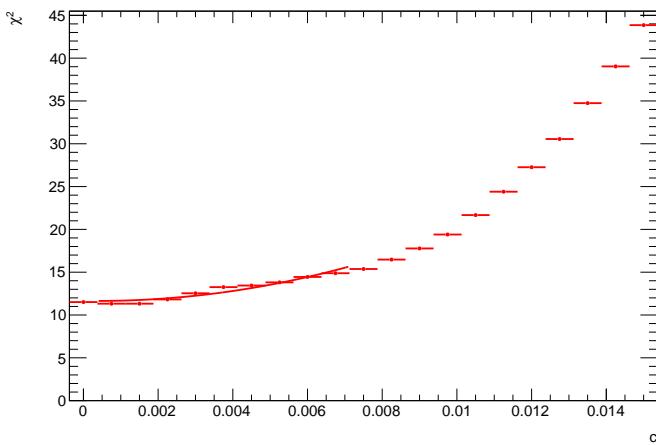
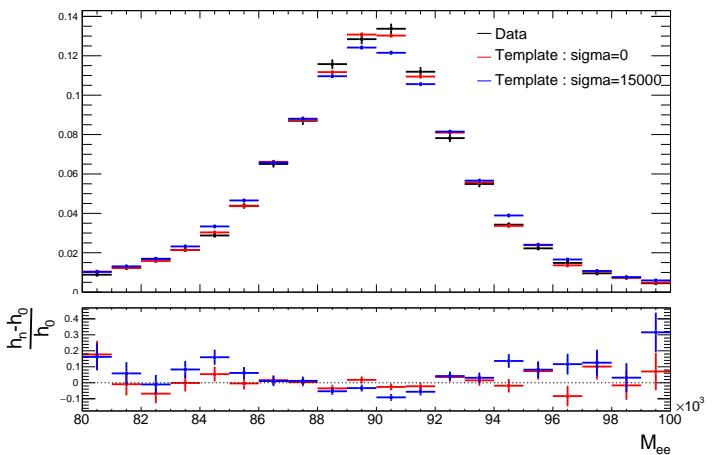
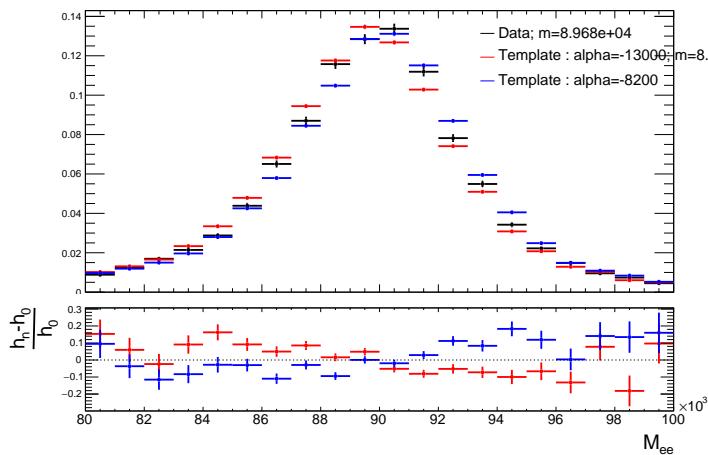
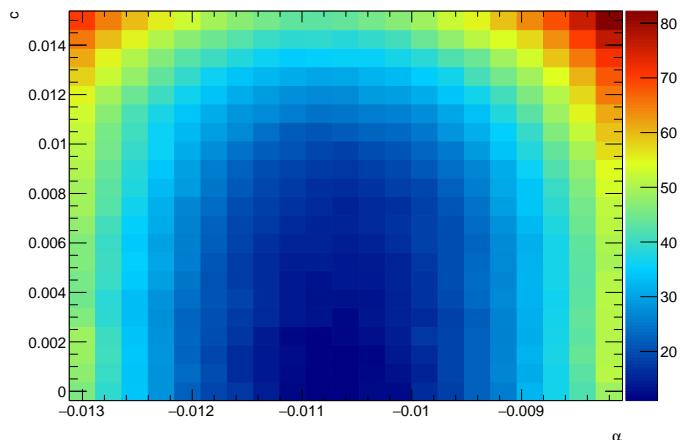
MCEvents : 133680

DataEvents : 22519

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.0106636 \pm 0.000390963$$

$$\sigma_{ij} = 0.000375 \pm 0.00336365$$



42 ChiMatrix_8_7

Results

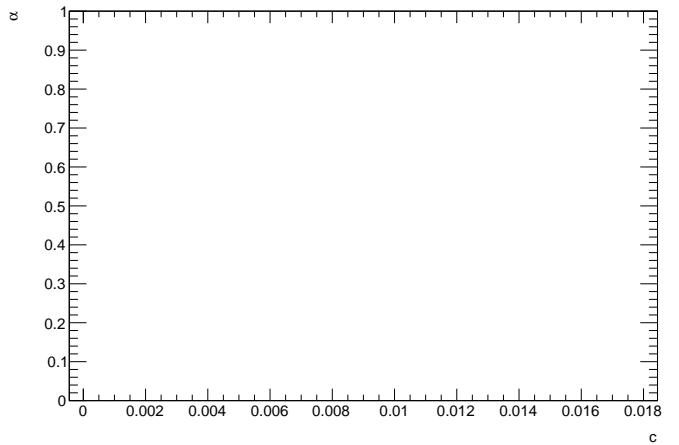
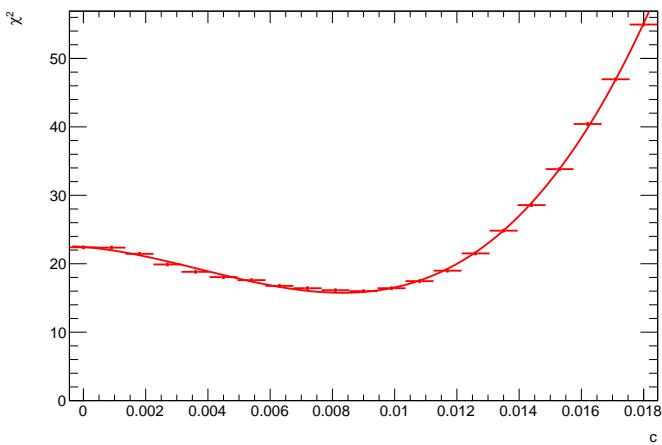
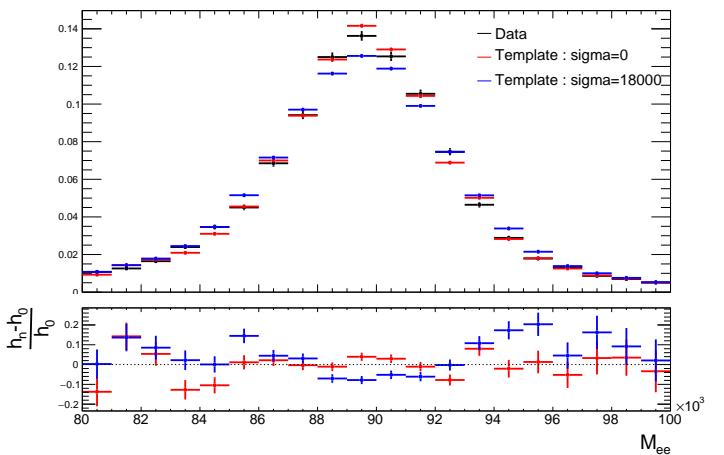
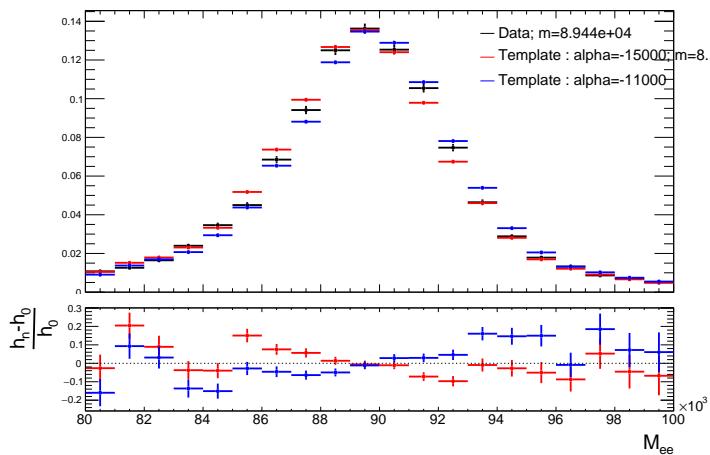
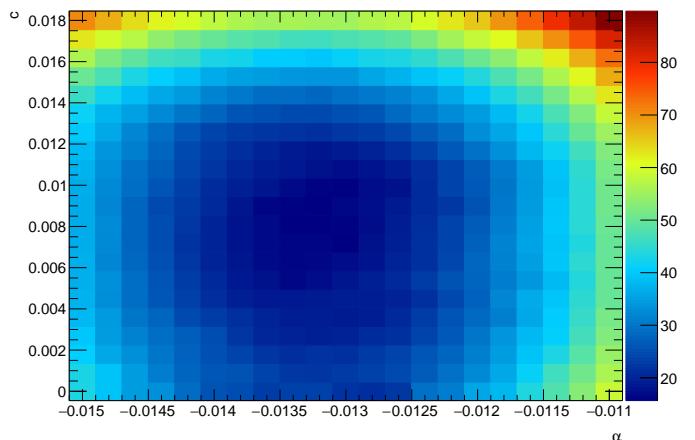
MCEvents : 140526

DataEvents : 23616

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.0132532 \pm 0.00038362$$

$$\sigma_{ij} = 0.00831866 \pm 0.0018885$$



43 ChiMatrix_8_8

Results

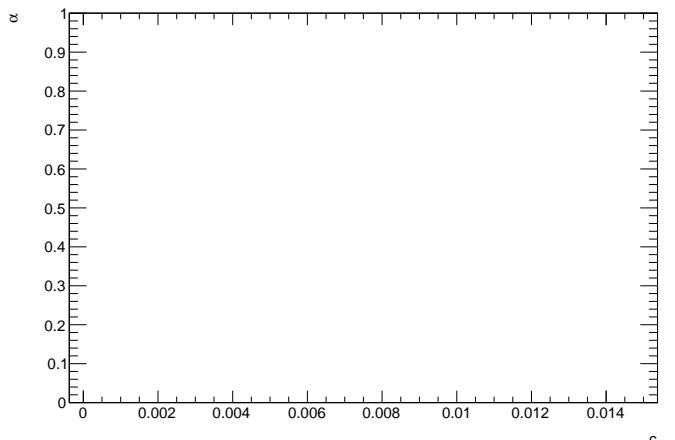
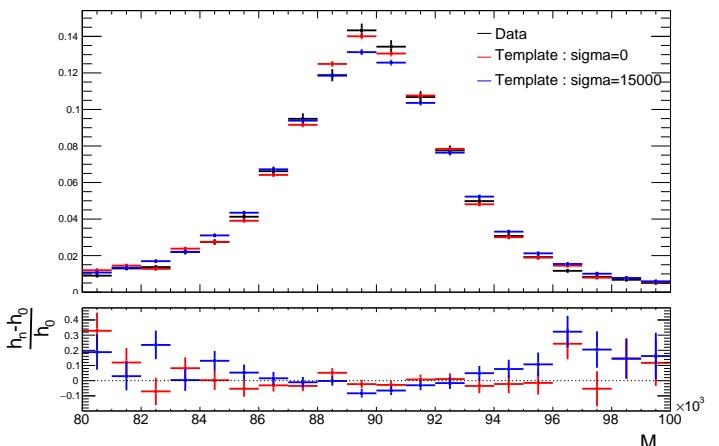
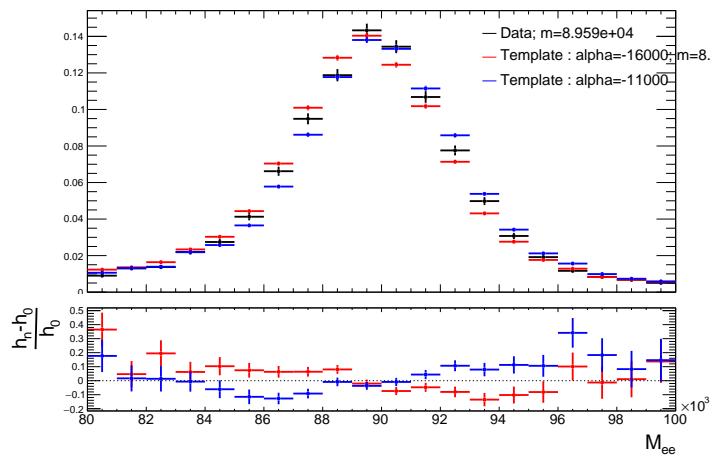
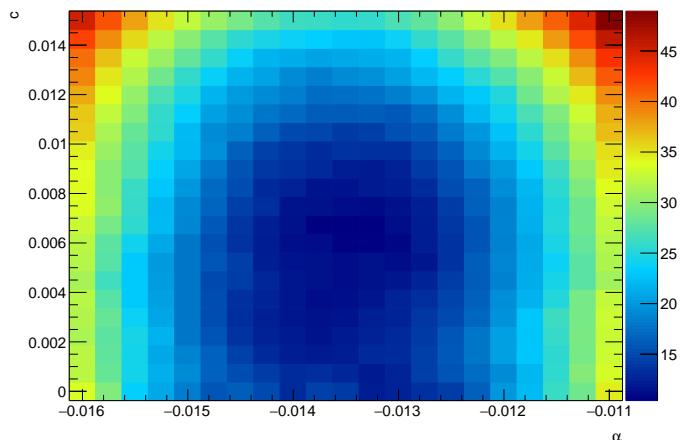
MCEvents : 70956

DataEvents : 12010

ThresholdMass : 54

$$\alpha_{ij} = -0.0135158 \pm 0.00055006$$

$$\sigma_{ij} = 0.00531834 \pm 0.00287017$$



44 ChiMatrix_9_2

Results

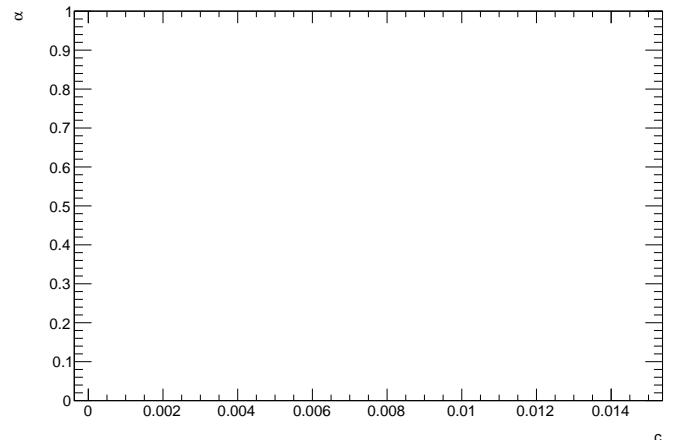
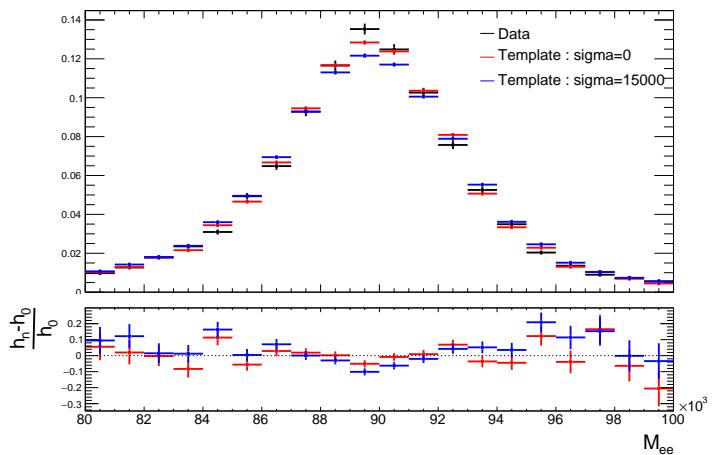
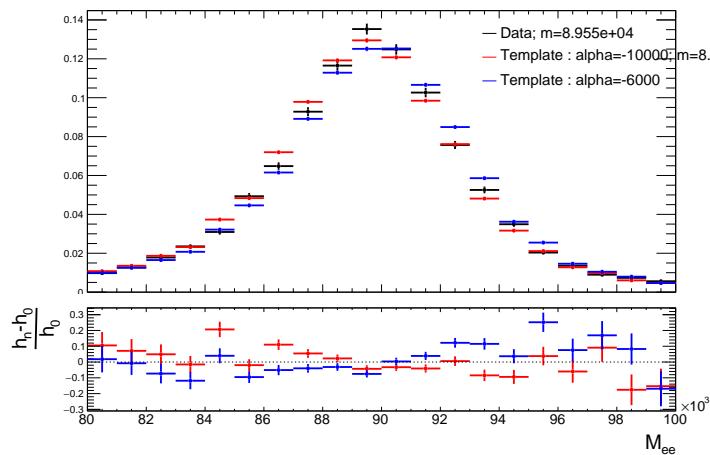
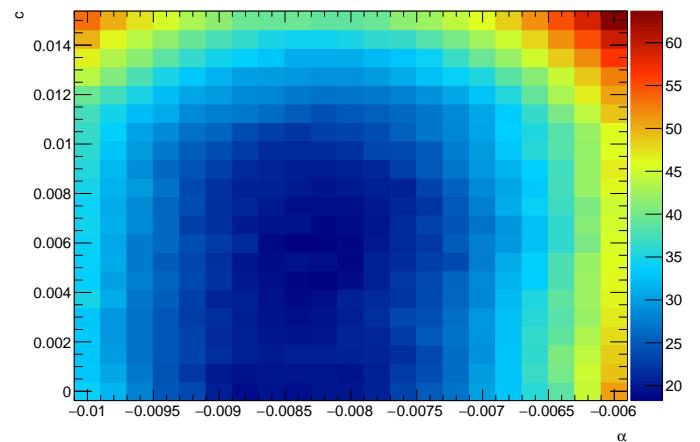
MCEvents : 122970

DataEvents : 18890

ThresholdMass : 68.8245

$$\alpha_{ij} = -0.00828152 \pm 0.000442182$$

$$\sigma_{ij} = 0.00571077 \pm 0.00274402$$



45 ChiMatrix_9_3

Results

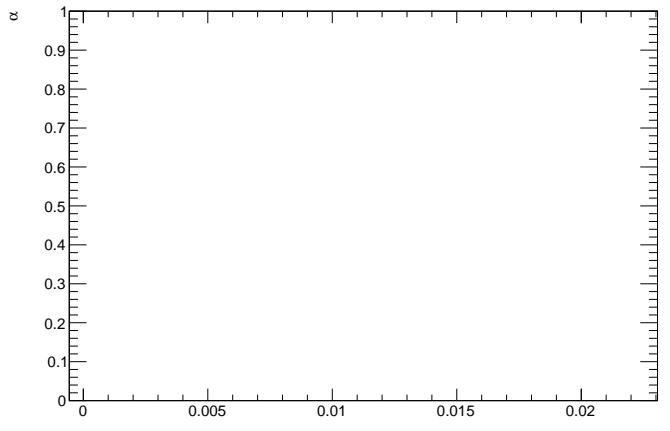
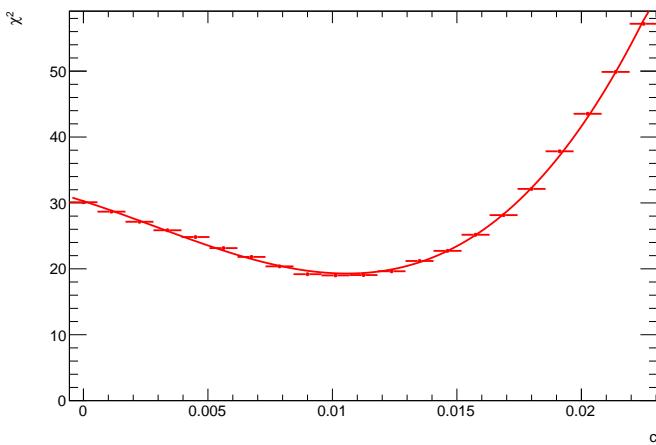
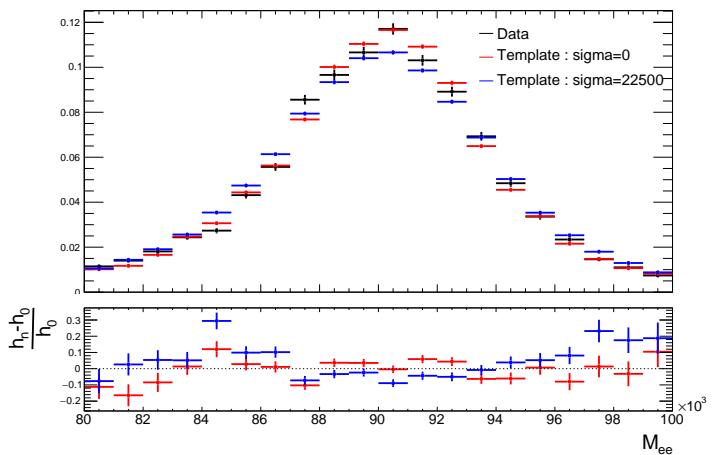
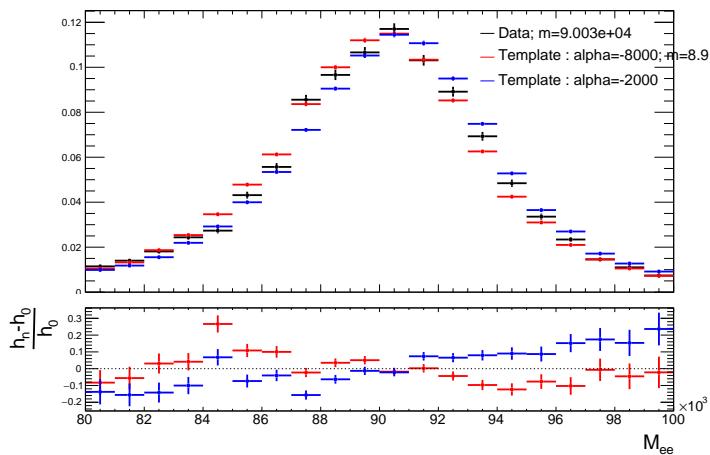
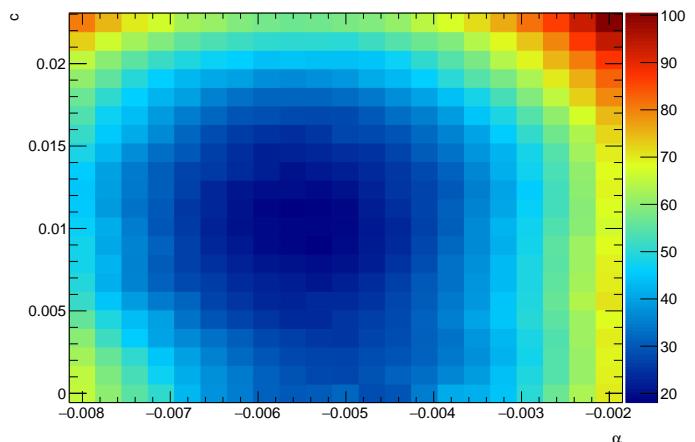
MCEvents : 129300

DataEvents : 20559

ThresholdMass : 63.5904

$$\alpha_{ij} = -0.00547073 \pm 0.000487753$$

$$\sigma_{ij} = 0.0105872 \pm 0.00225232$$



46 ChiMatrix_9_4

Results

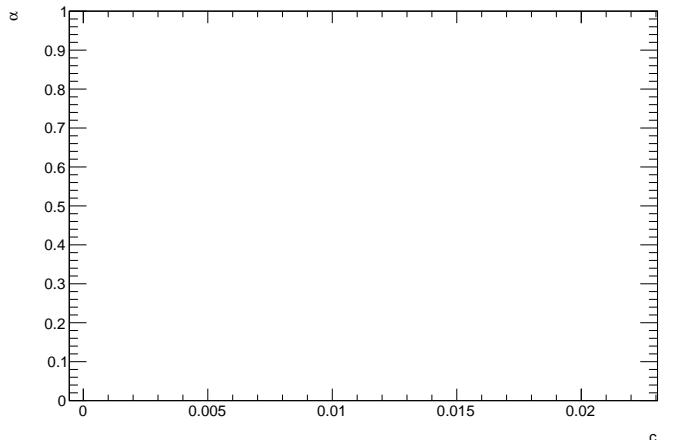
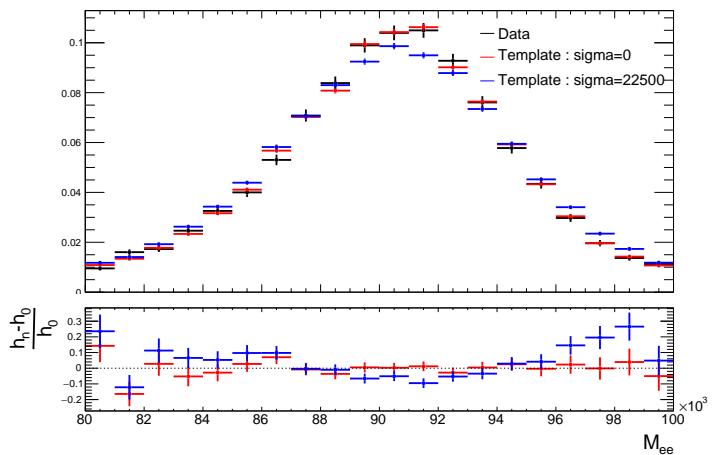
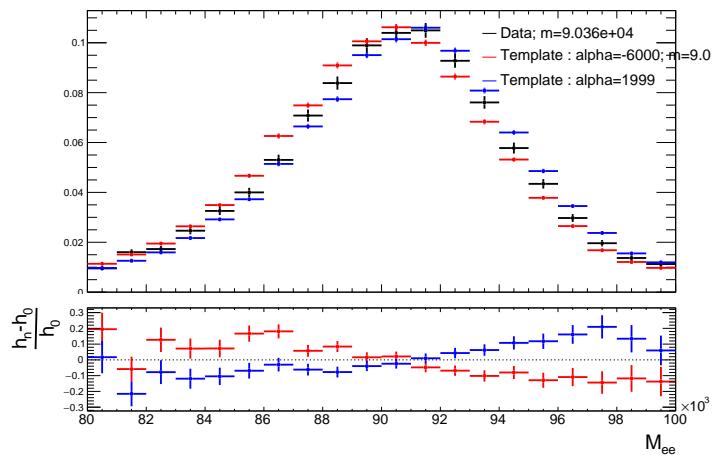
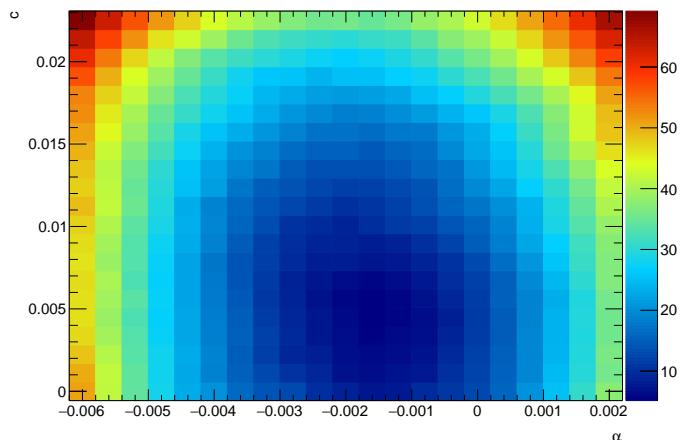
MCEvents : 91464

DataEvents : 13505

ThresholdMass : 60.3412

$$\alpha_{ij} = -0.00166077 \pm 0.000678144$$

$$\sigma_{ij} = 0.00425704 \pm 0.00355127$$



47 ChiMatrix_9_5

Results

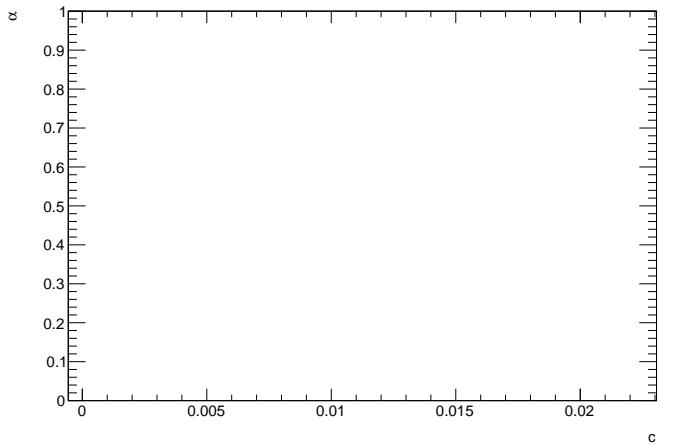
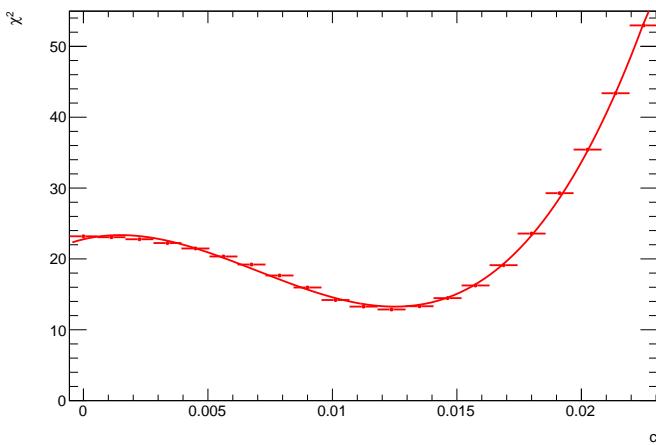
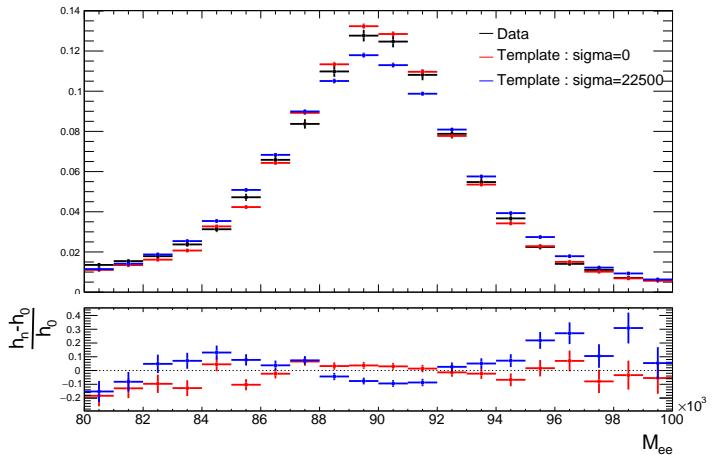
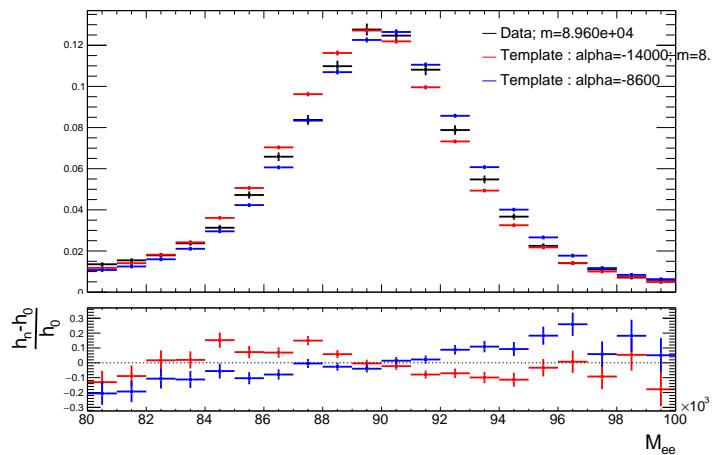
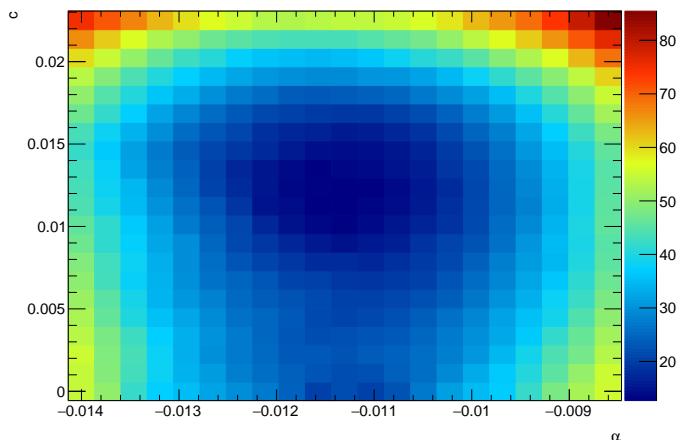
MCEvents : 105768

DataEvents : 17132

ThresholdMass : 58.2132

$$\alpha_{ij} = -0.0113202 \pm 0.000475859$$

$$\sigma_{ij} = 0.0124979 \pm 0.00189703$$



48 ChiMatrix_9_6

Results

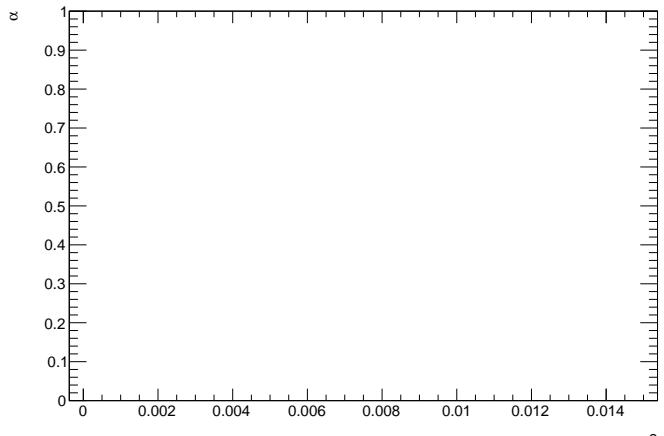
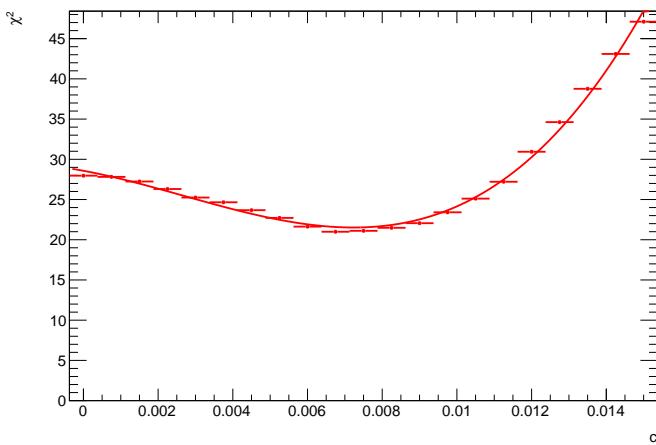
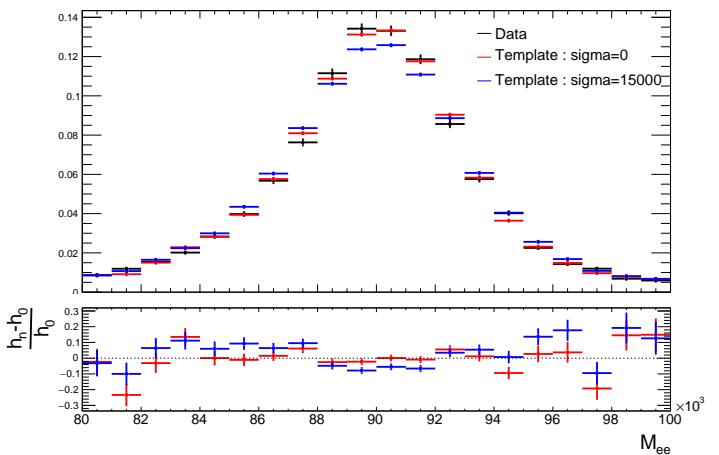
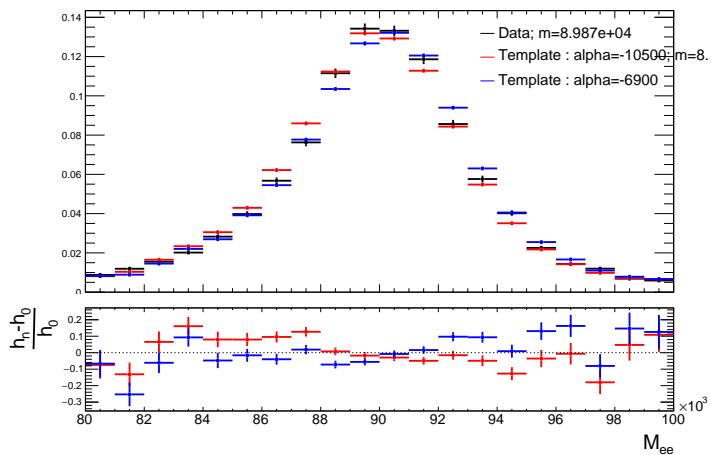
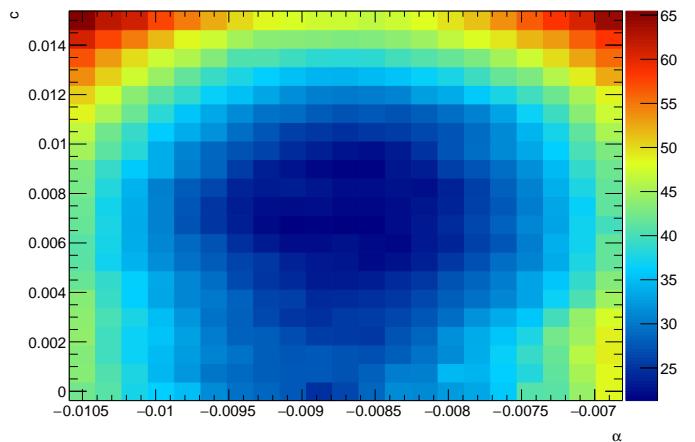
MCEvents : 135000

DataEvents : 21964

ThresholdMass : 56.4483

$$\alpha_{ij} = -0.00869014 \pm 0.000404988$$

$$\sigma_{ij} = 0.00723193 \pm 0.00176241$$



49 ChiMatrix_9_7

Results

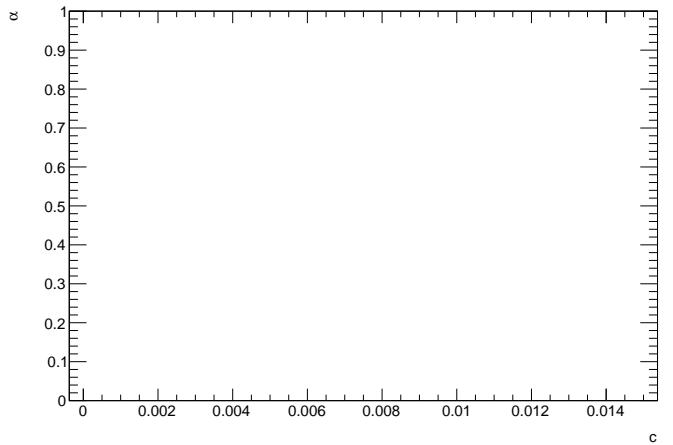
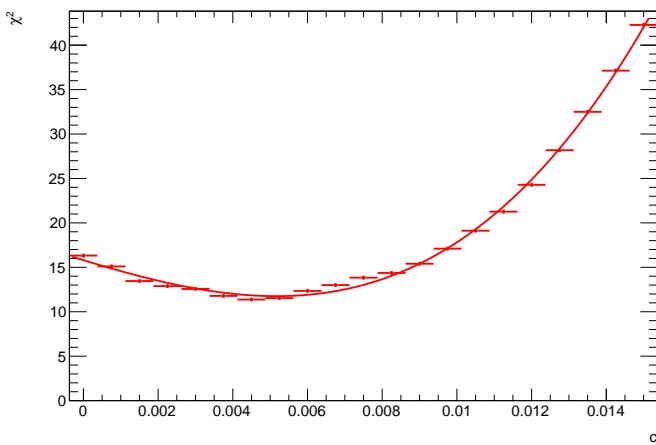
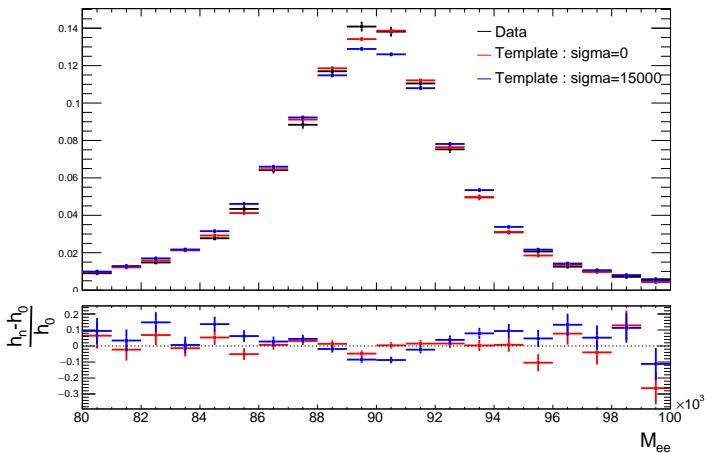
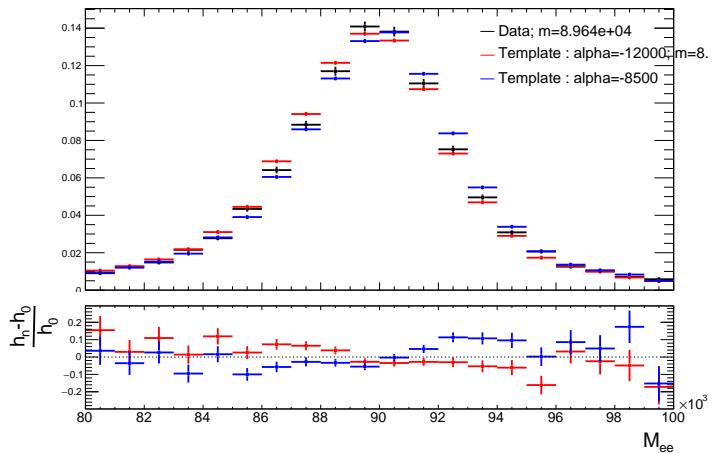
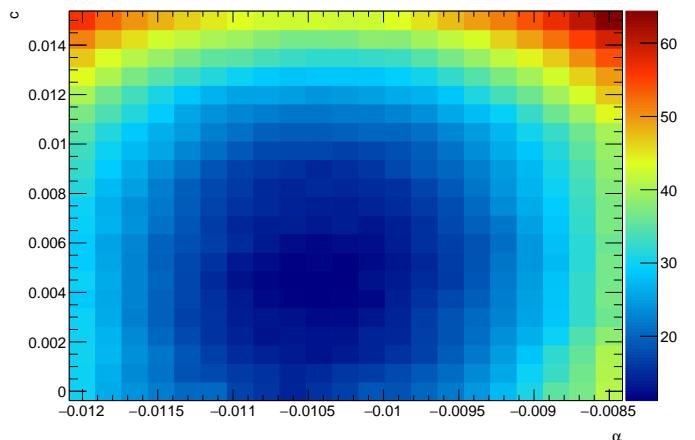
MCEvents : 139278

DataEvents : 23264

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.0103952 \pm 0.000379701$$

$$\sigma_{ij} = 0.00516846 \pm 0.00208691$$



50 ChiMatrix_9_8

Results

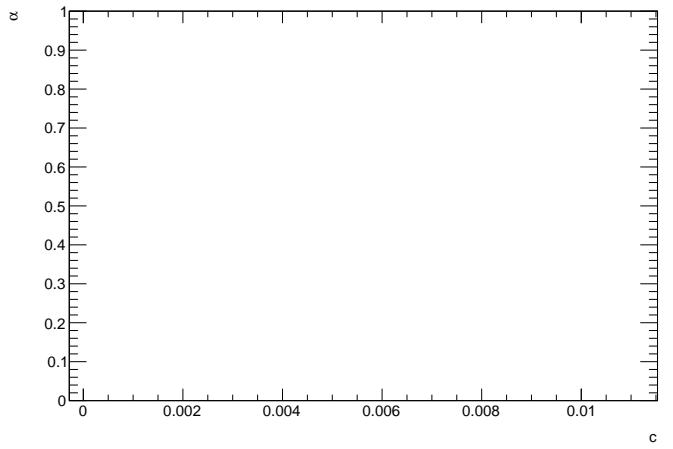
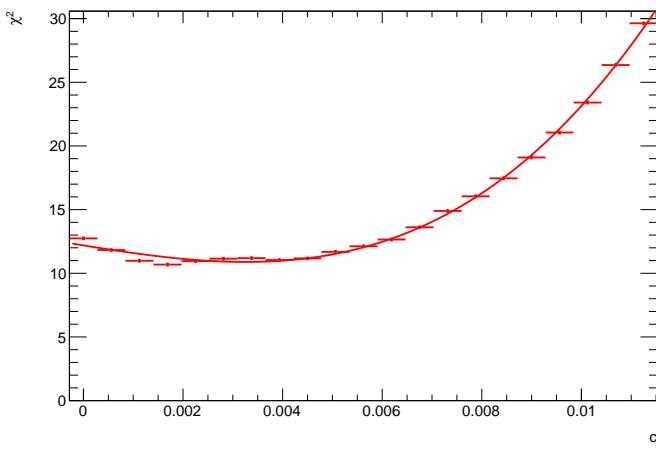
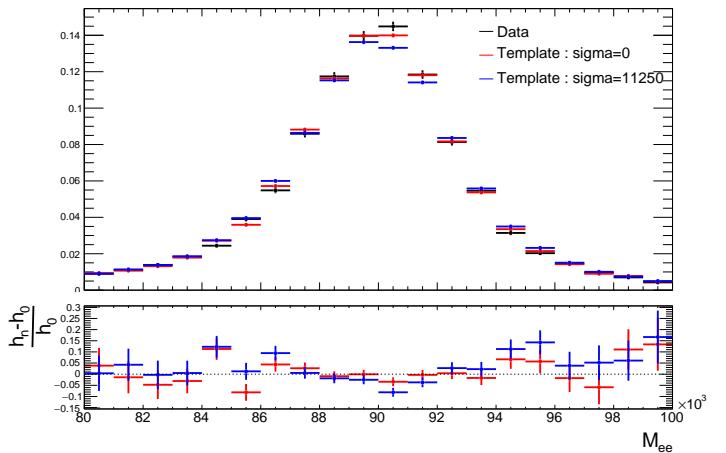
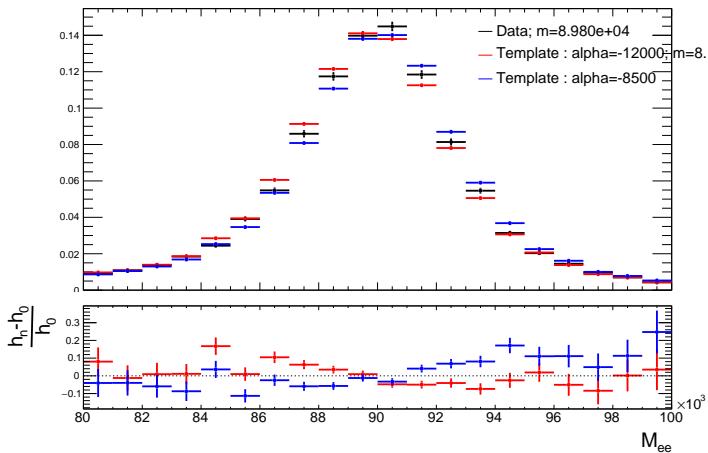
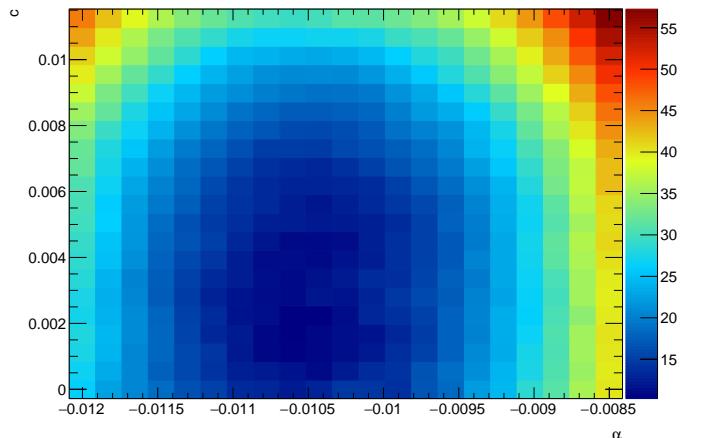
MCEvents : 142746

DataEvents : 24303

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.0104923 \pm 0.000372278$$

$$\sigma_{ij} = 0.00326109 \pm 0.00221897$$



51 ChiMatrix_9_9

Results

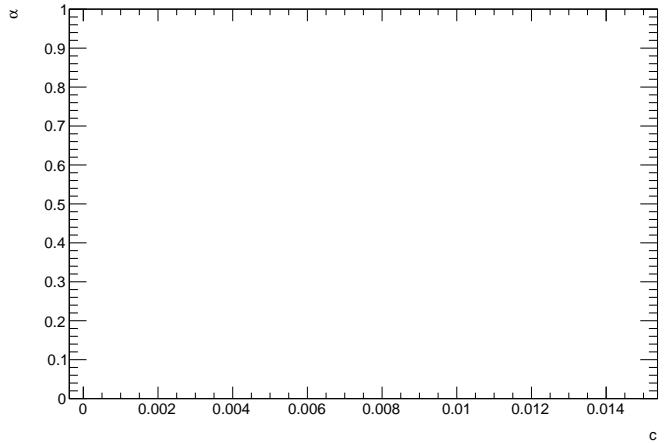
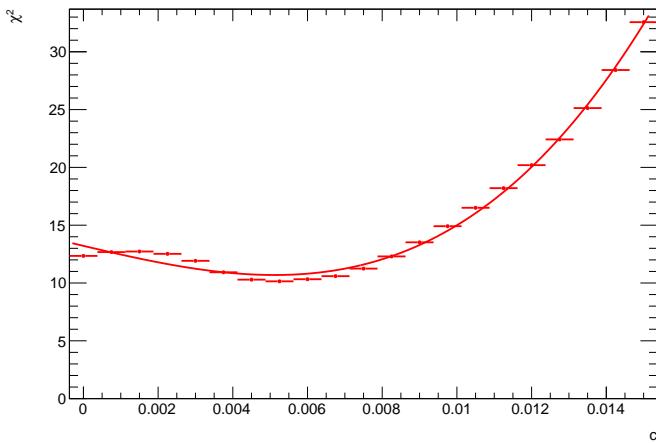
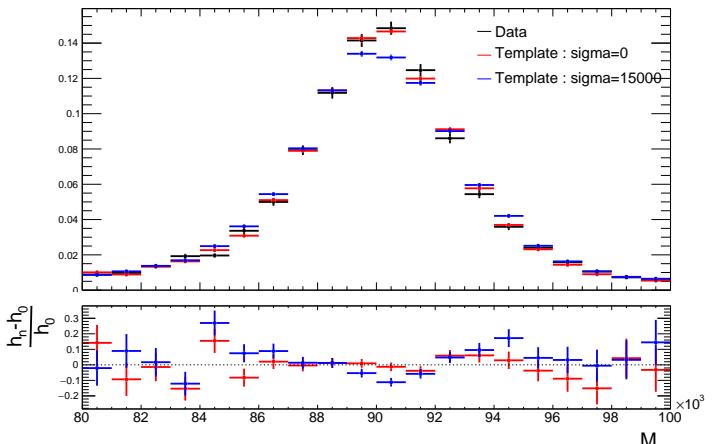
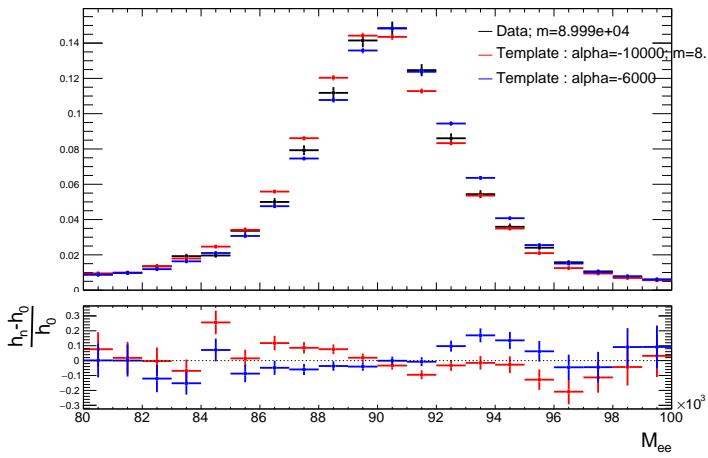
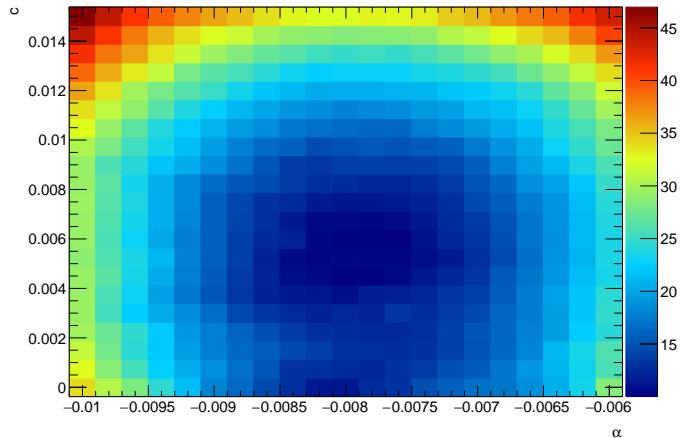
MCEvents : 72768

DataEvents : 12109

ThresholdMass : 54

$$\alpha_{ij} = -0.00785144 \pm 0.00049131$$

$$\sigma_{ij} = 0.00511538 \pm 0.00249853$$



52 ChiMatrix_10_3

Results

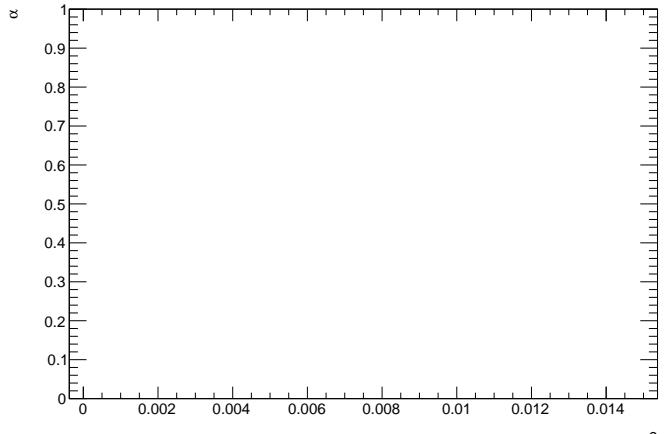
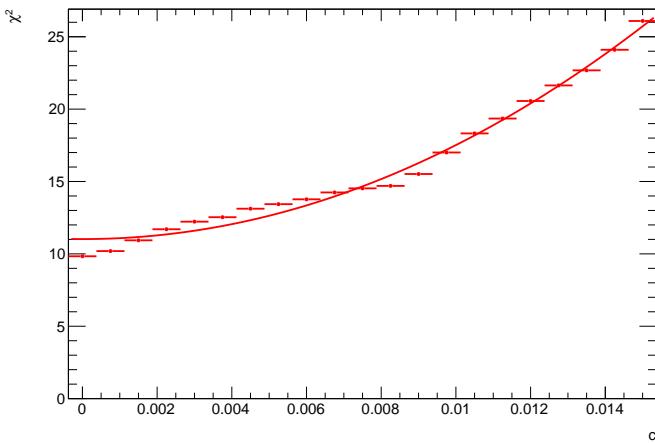
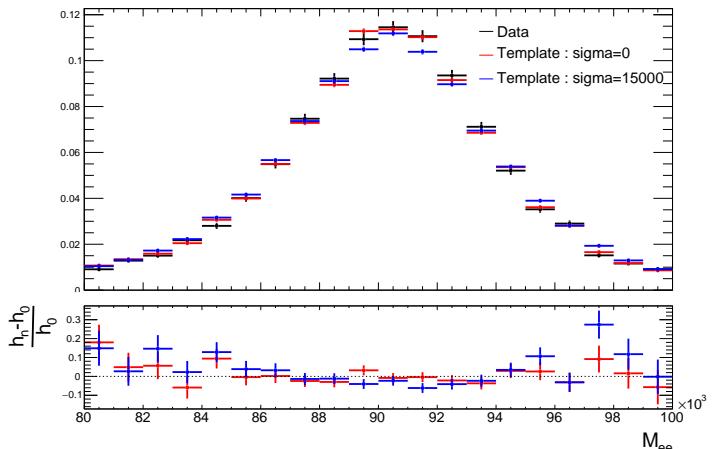
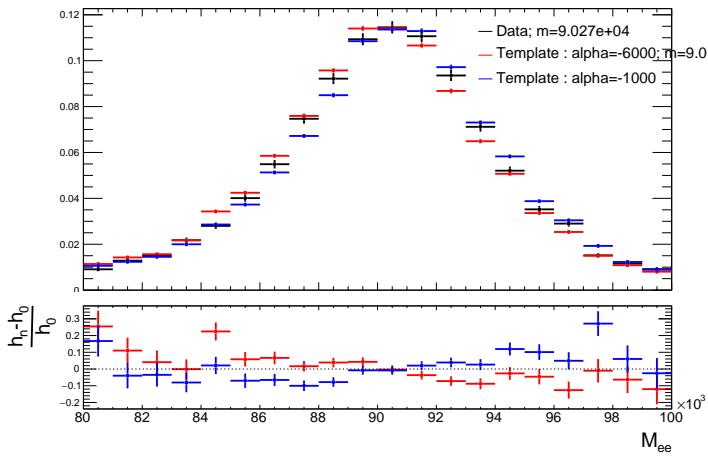
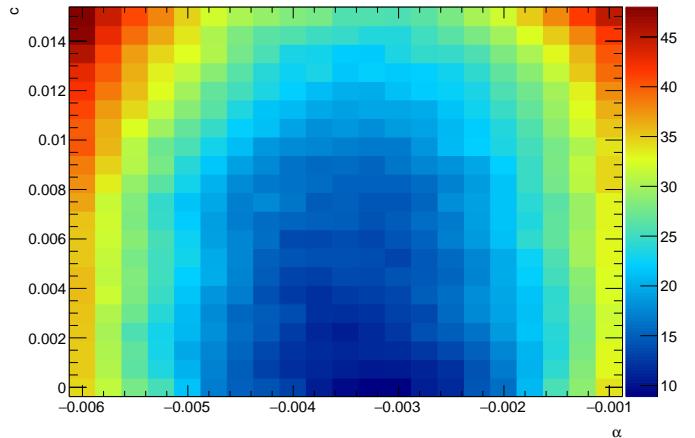
MCEvents : 114234

DataEvents : 17513

ThresholdMass : 67.2724

$$\alpha_{ij} = -0.0033996 \pm 0.00049954$$

$$\sigma_{ij} = 1.78463e - 15 \pm 0.00393759$$



53 ChiMatrix_10_4

Results

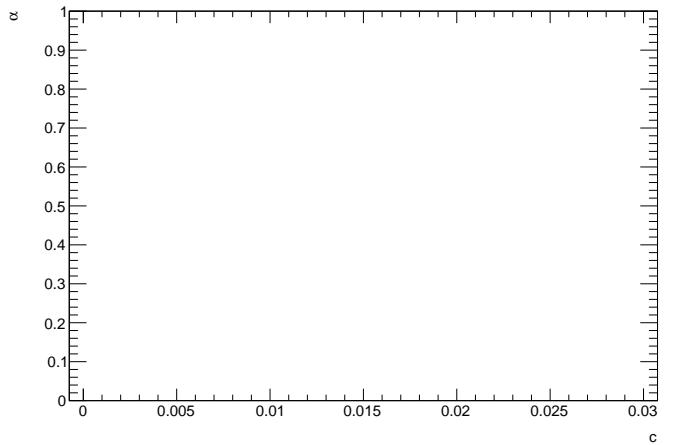
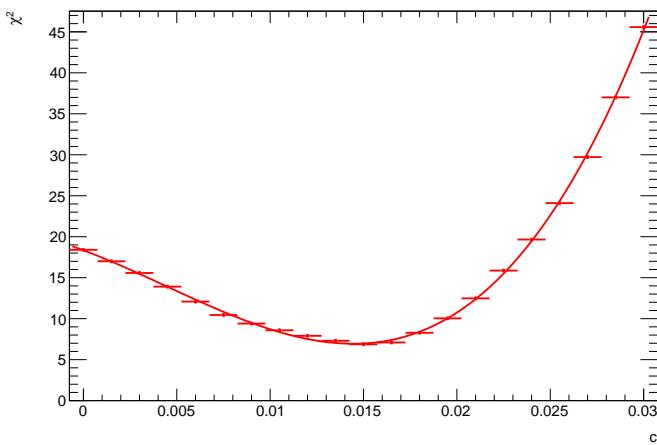
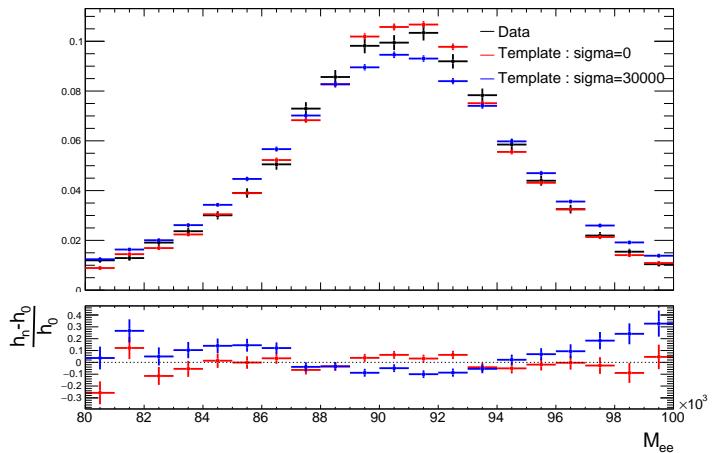
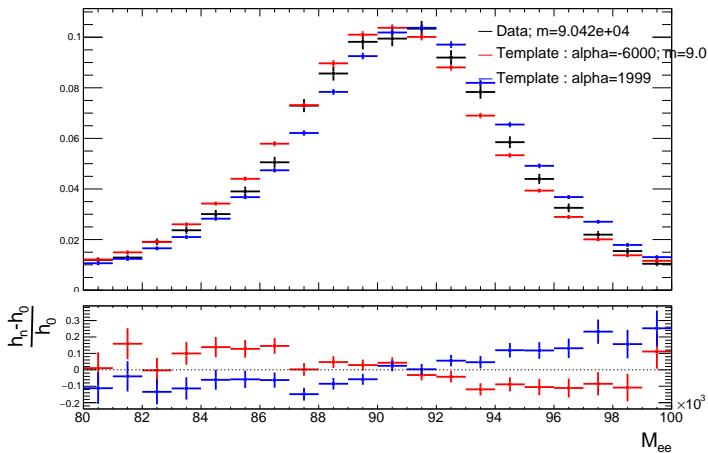
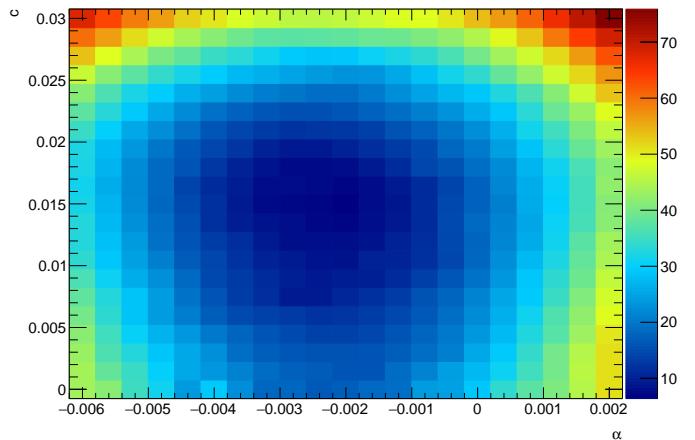
MCEvents : 81588

DataEvents : 12318

ThresholdMass : 63.3403

$$\alpha_{ij} = -0.00234145 \pm 0.000731567$$

$$\sigma_{ij} = 0.0144592 \pm 0.00294913$$



54 ChiMatrix_10_5

Results

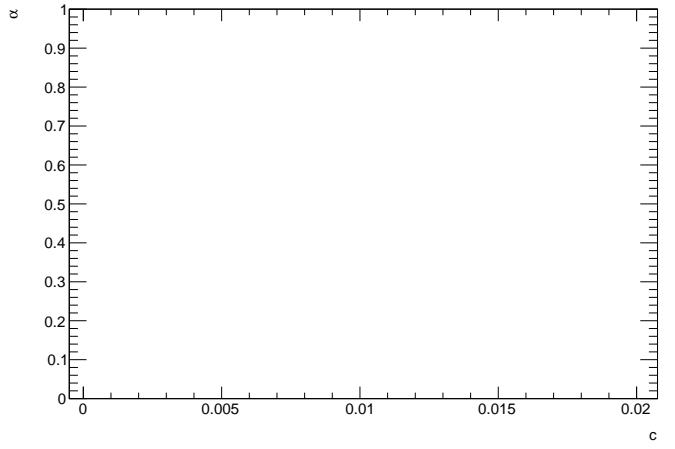
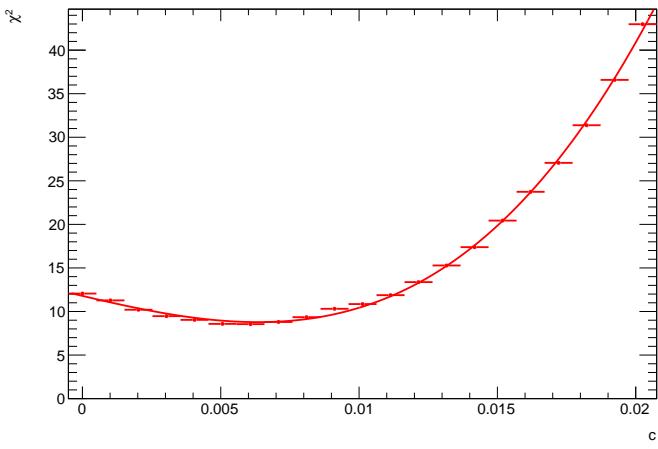
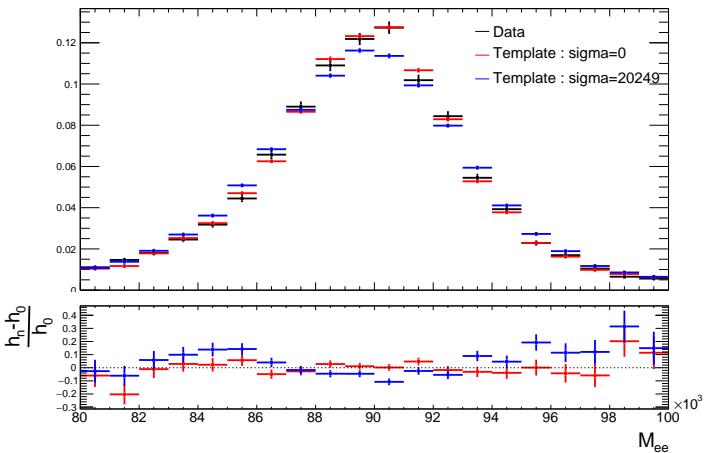
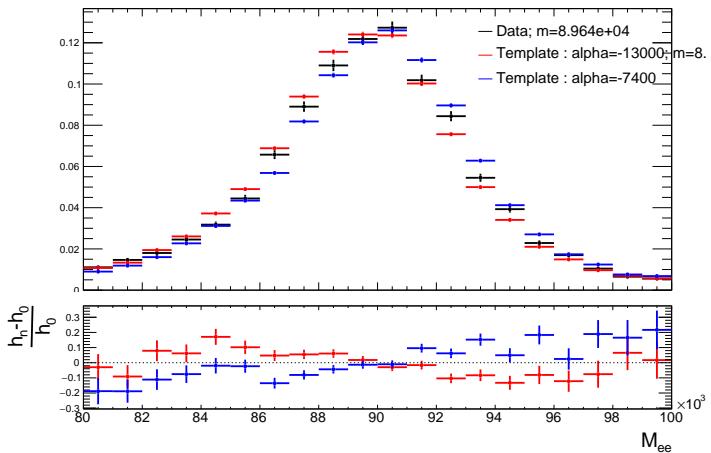
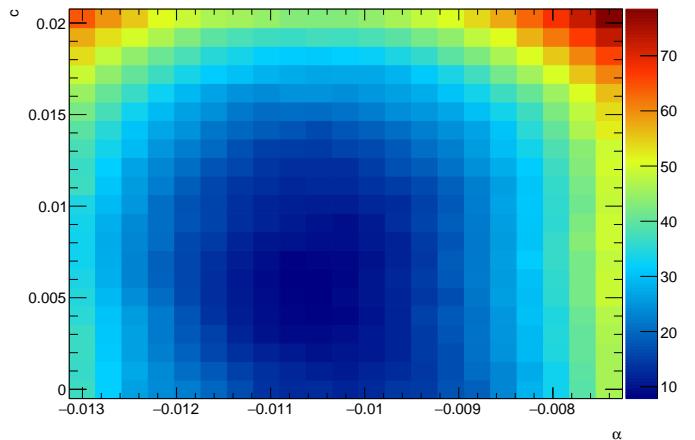
MCEvents : 100308

DataEvents : 15939

ThresholdMass : 60.6825

$$\alpha_{ij} = -0.0105313 \pm 0.000491664$$

$$\sigma_{ij} = 0.00634714 \pm 0.00288991$$



55 ChiMatrix_10_6

Results

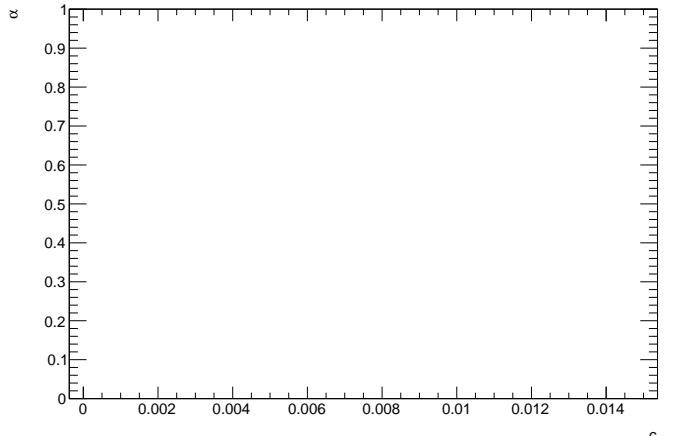
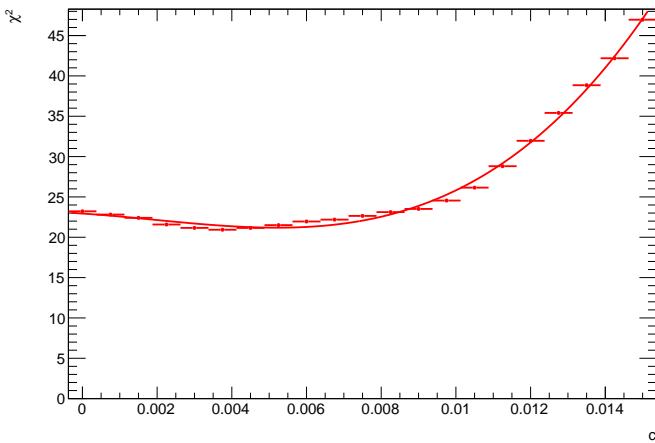
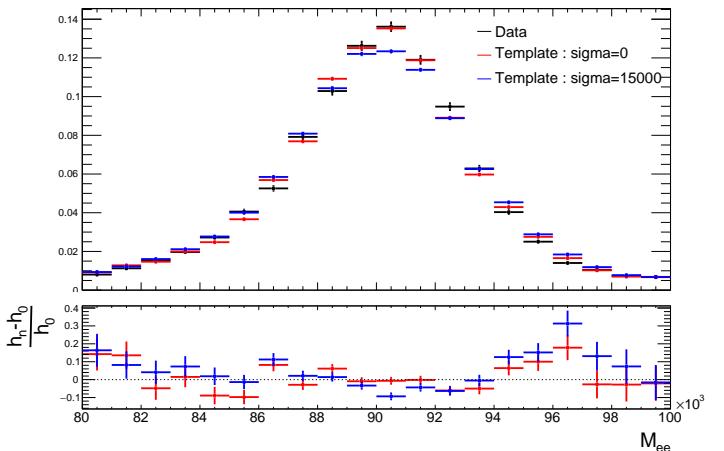
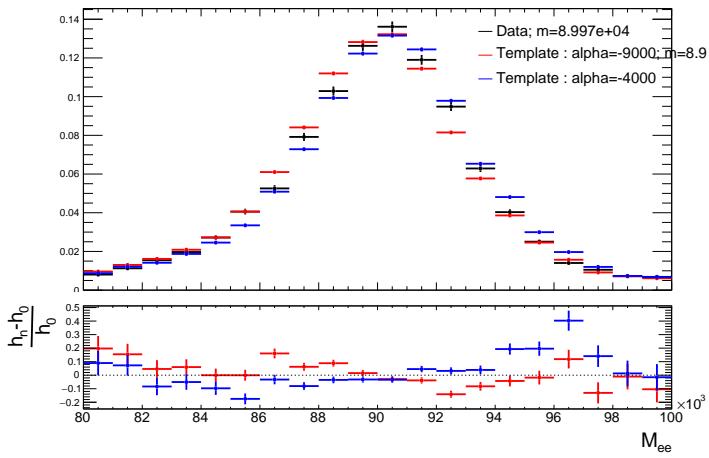
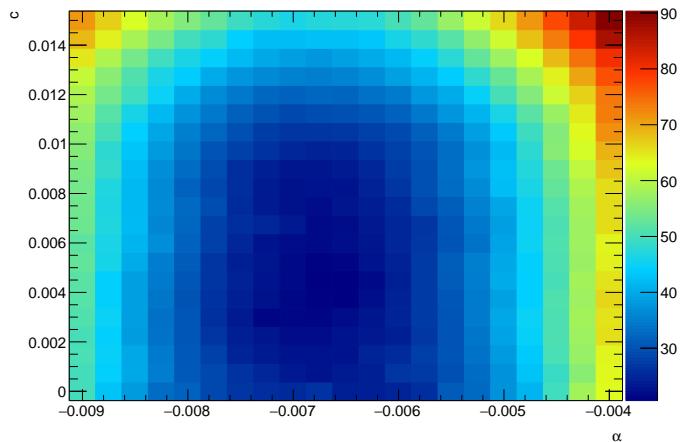
MCEvents : 126648

DataEvents : 20761

ThresholdMass : 58.3779

$$\alpha_{ij} = -0.00672599 \pm 0.000411654$$

$$\sigma_{ij} = 0.00520959 \pm 0.00243091$$



56 ChiMatrix_10_7

Results

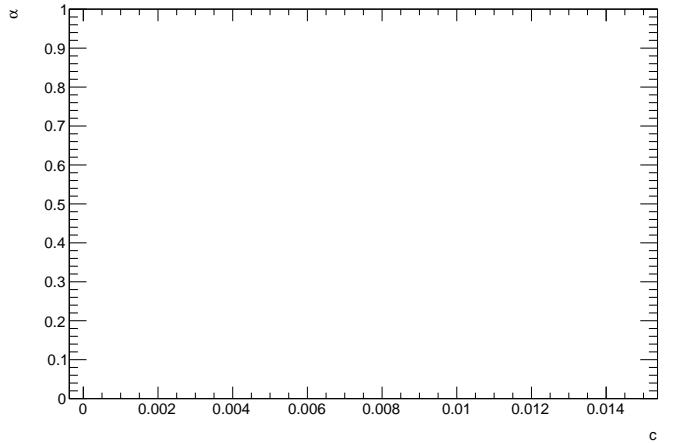
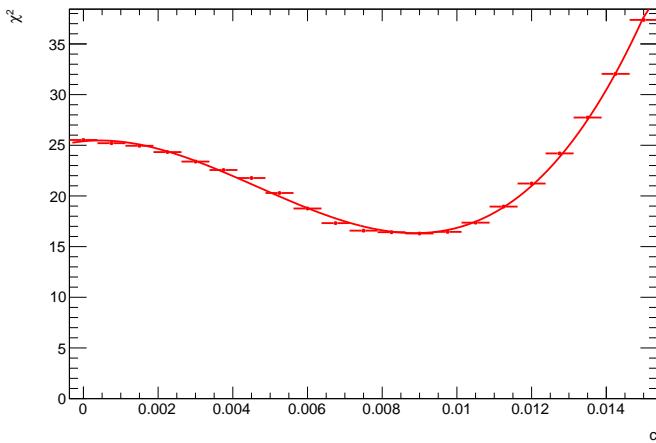
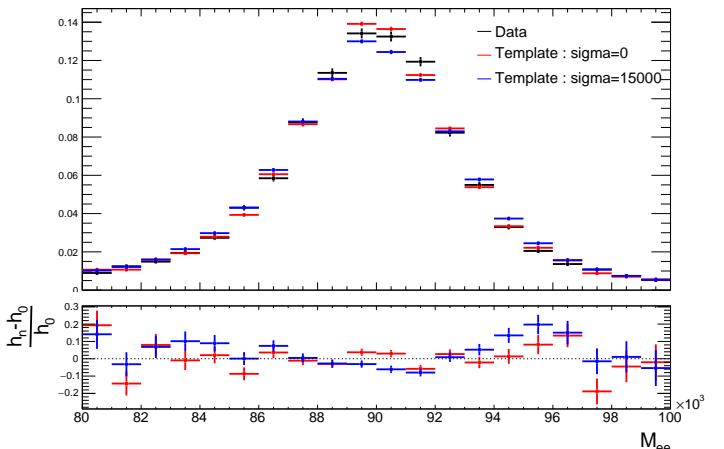
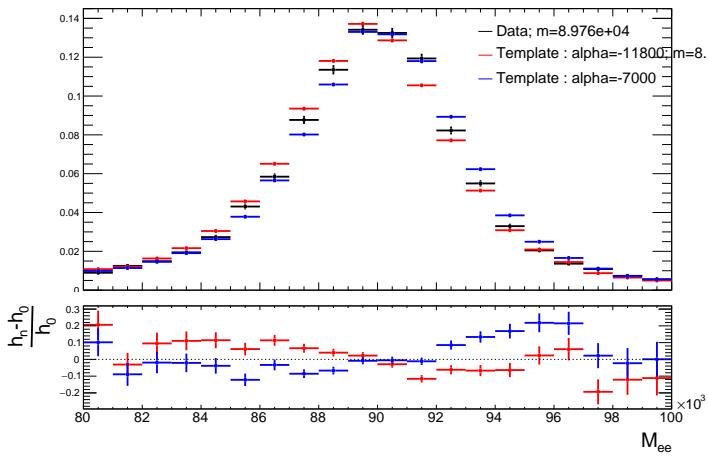
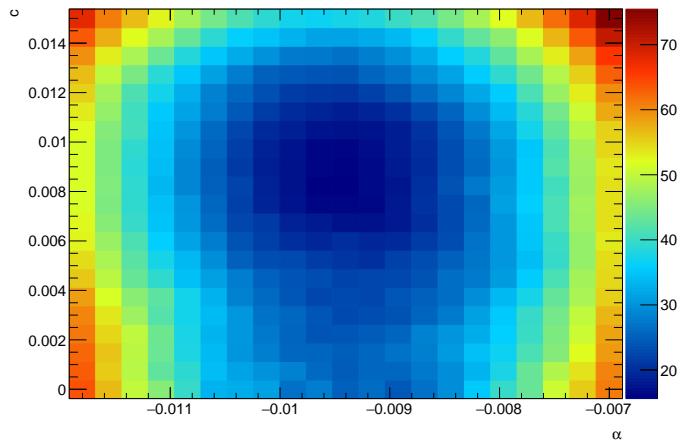
MCEvents : 133950

DataEvents : 22555

ThresholdMass : 56.4483

$$\alpha_{ij} = -0.00944419 \pm 0.000395196$$

$$\sigma_{ij} = 0.00888265 \pm 0.00152402$$



57 ChiMatrix_10_8

Results

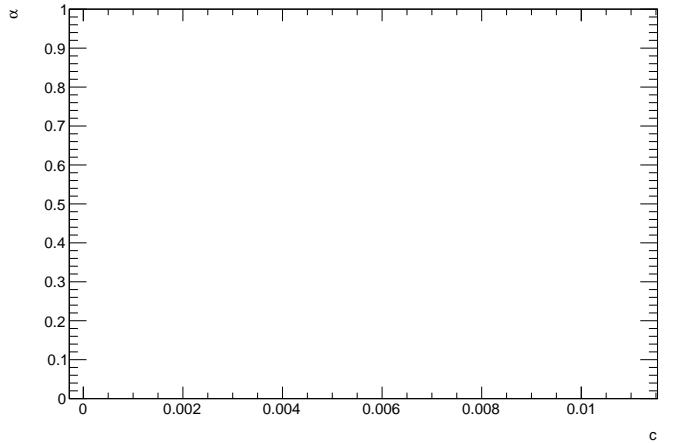
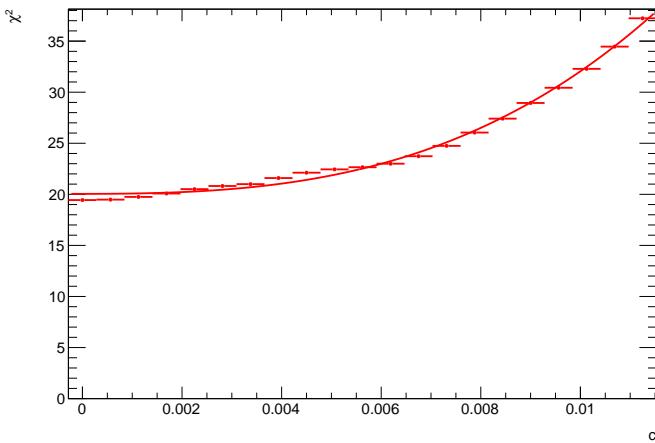
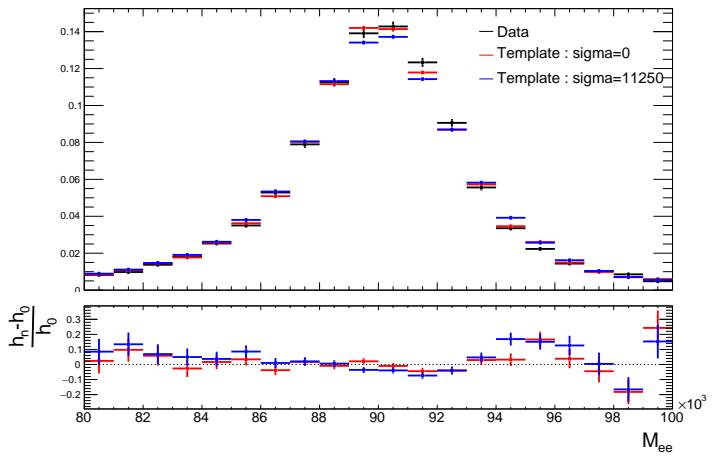
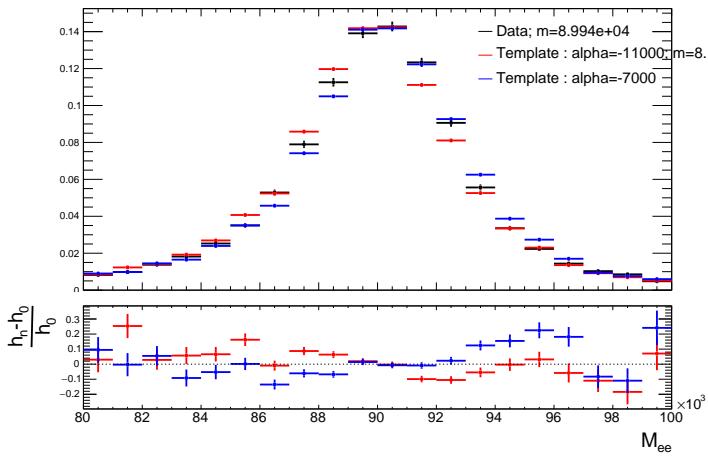
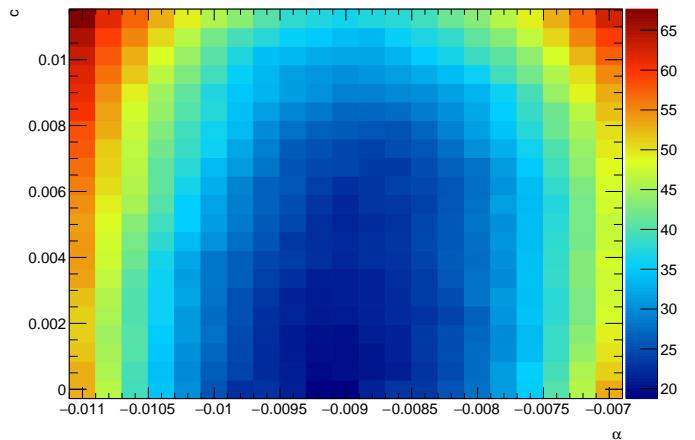
MCEvents : 139140

DataEvents : 23526

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.00902178 \pm 0.000349726$$

$$\sigma_{ij} = 5.69701e-17 \pm 0.0039892$$



58 ChiMatrix_10_9

Results

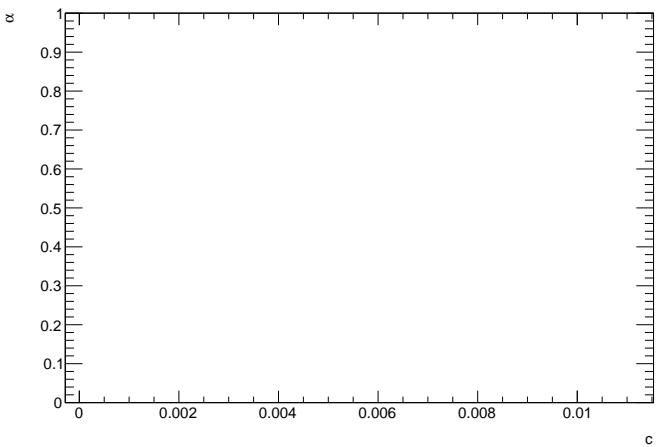
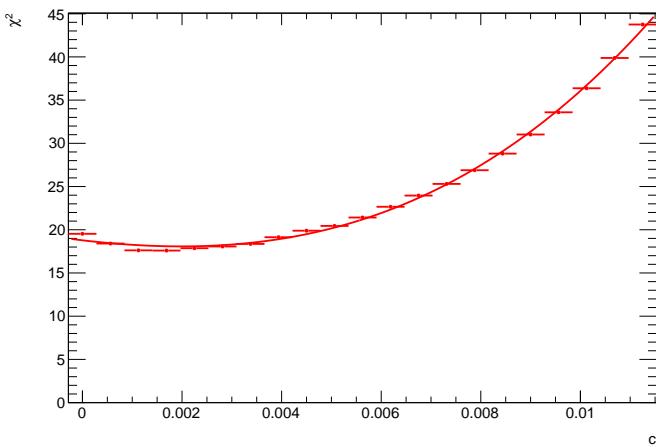
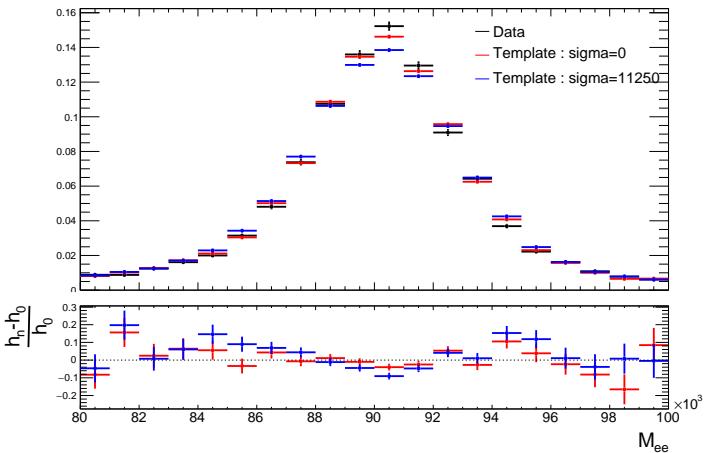
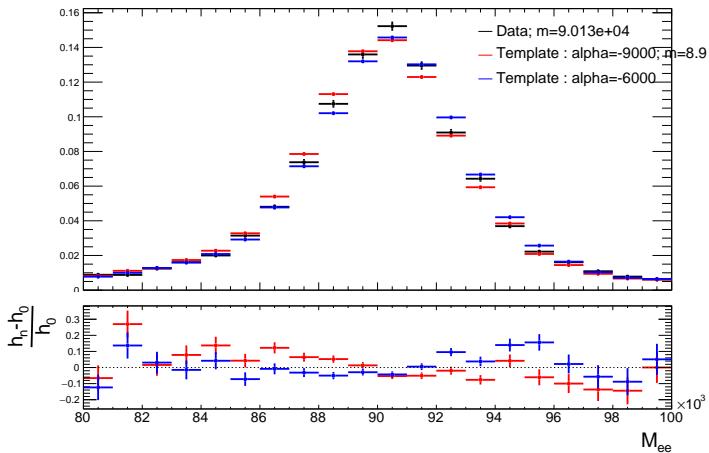
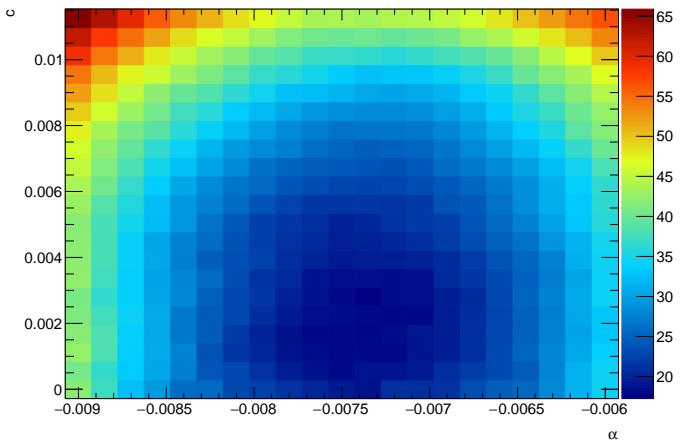
MCEvents : 141564

DataEvents : 24647

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.00735334 \pm 0.000339224$$

$$\sigma_{ij} = 0.00198769 \pm 0.00213076$$



59 ChiMatrix_10_10

Results

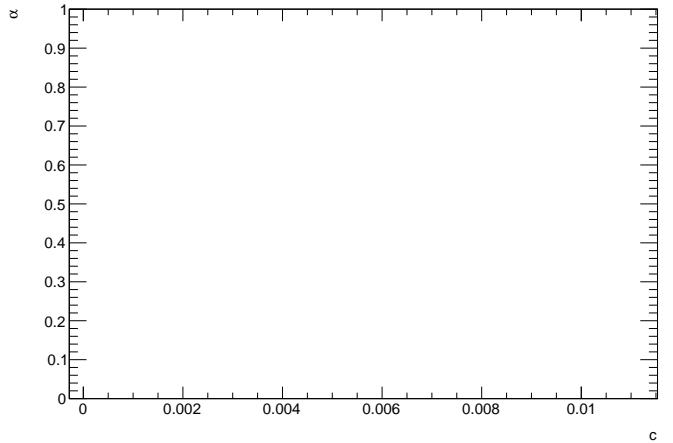
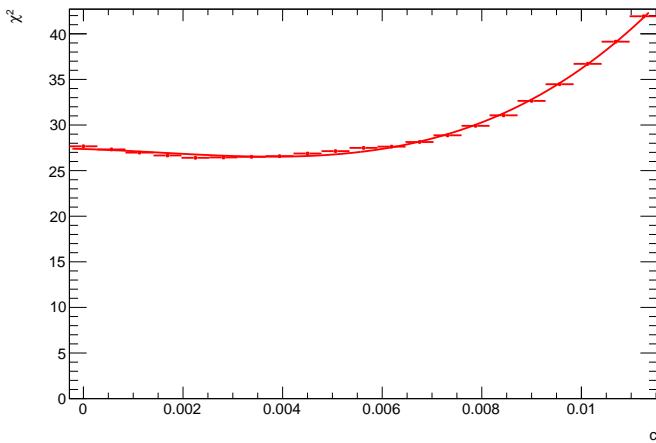
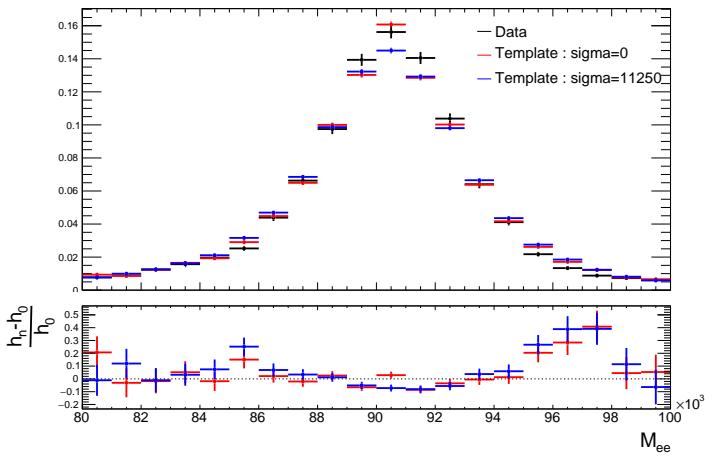
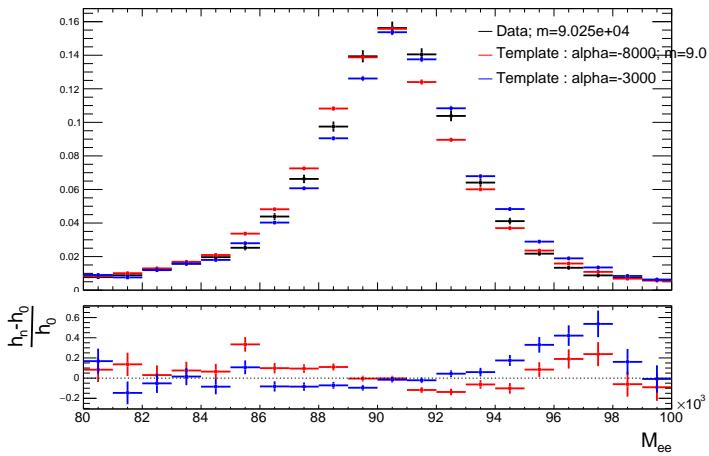
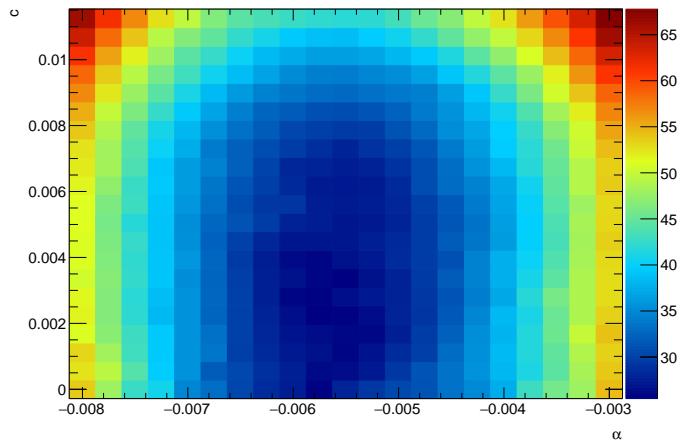
MCEvents : 70998

DataEvents : 11975

ThresholdMass : 54

$$\alpha_{ij} = -0.00556272 \pm 0.000491252$$

$$\sigma_{ij} = 0.00378539 \pm 0.00238087$$



60 ChiMatrix_11_4

Results

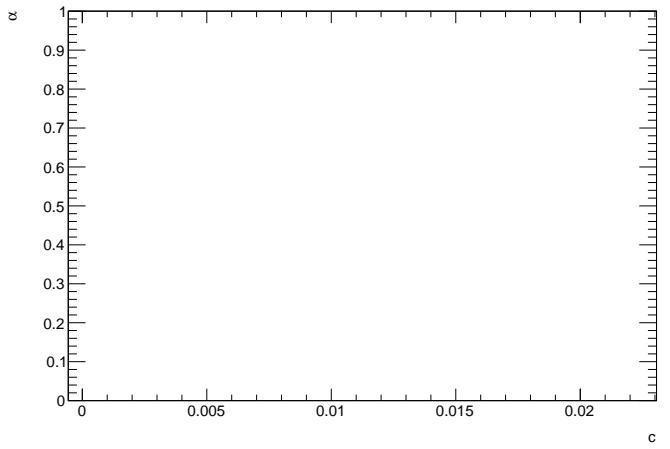
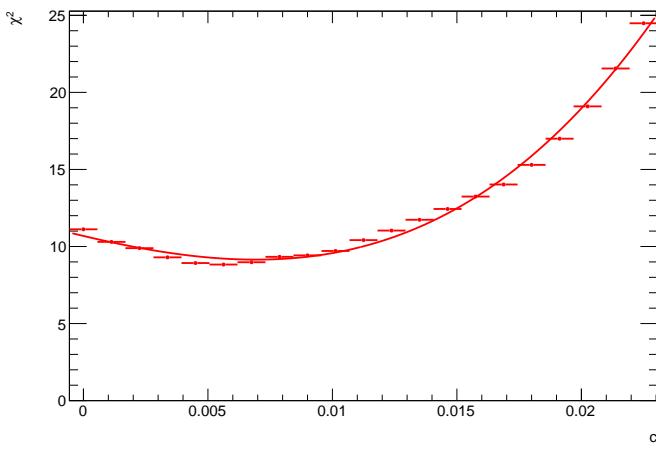
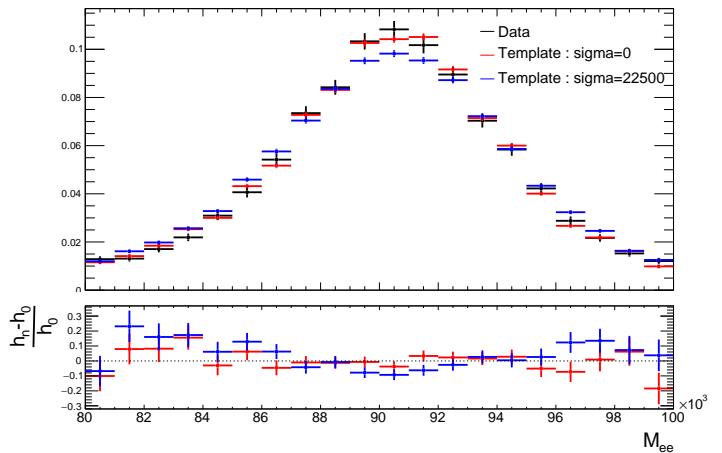
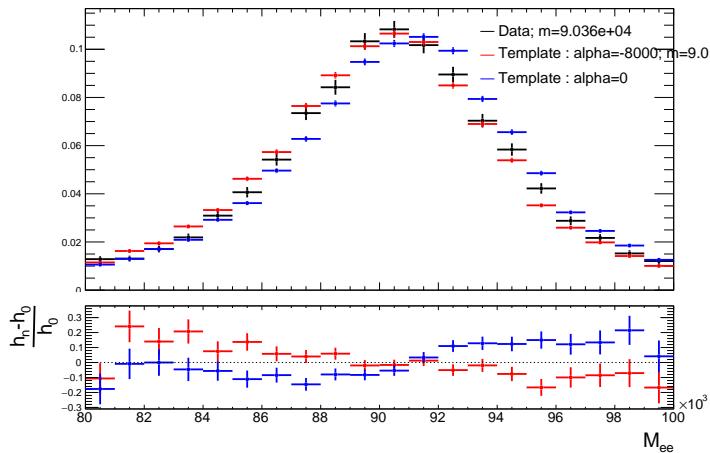
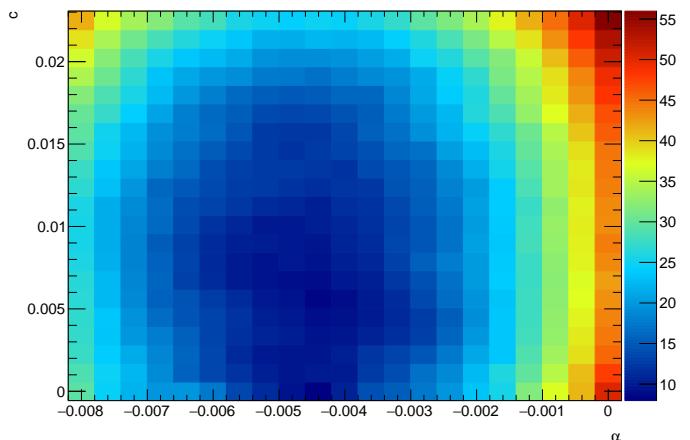
MCEvents : 71856

DataEvents : 9930

ThresholdMass : 66.9734

$$\alpha_{ij} = -0.00468072 \pm 0.000803138$$

$$\sigma_{ij} = 0.00692623 \pm 0.00462894$$



61 ChiMatrix_11_5

Results

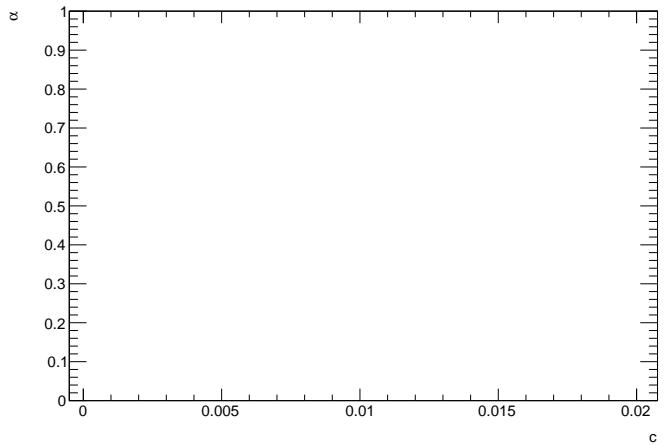
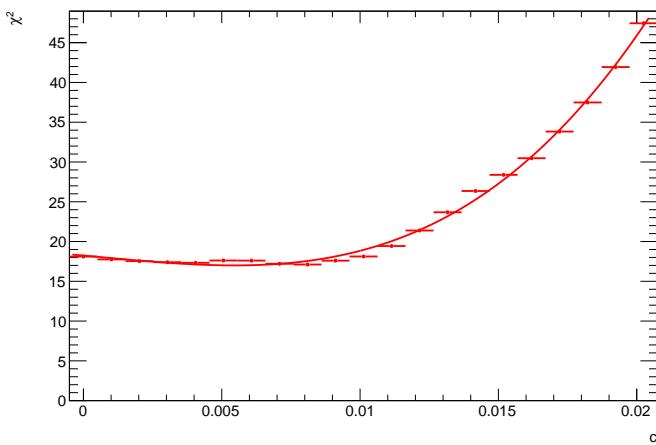
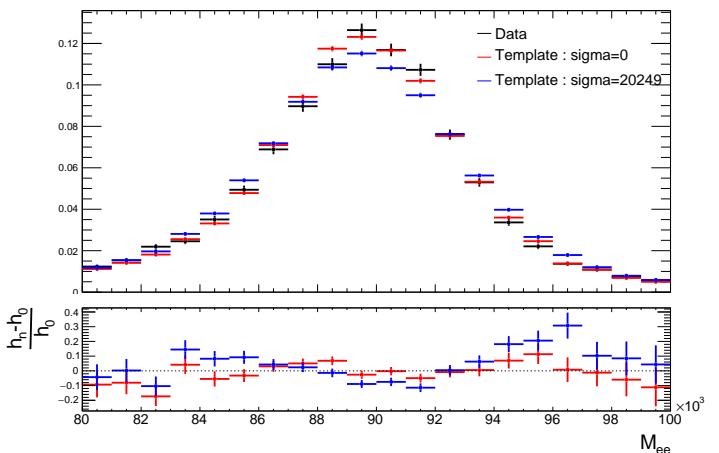
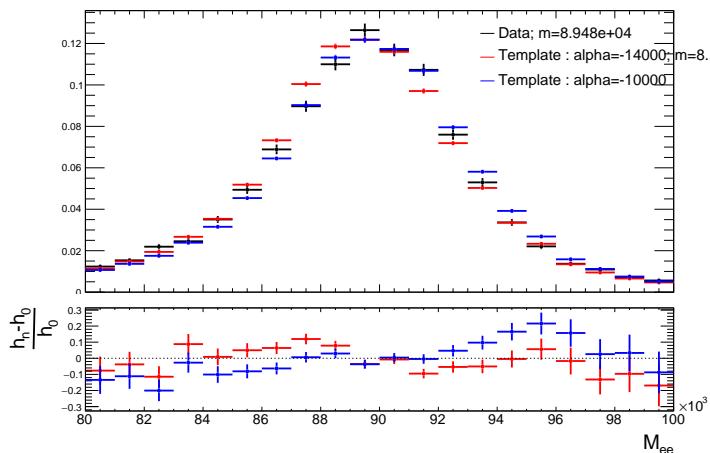
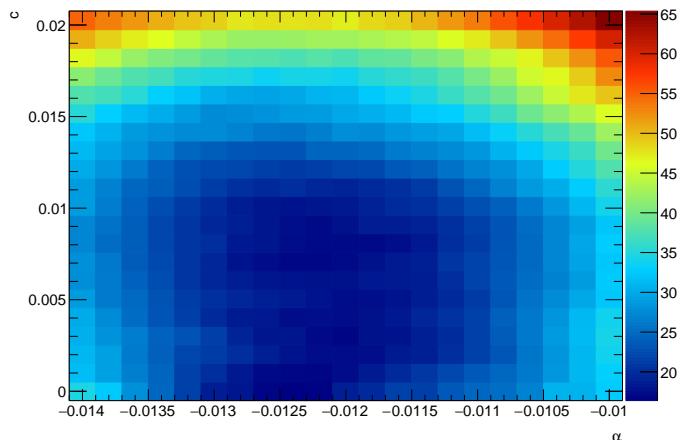
MCEvents : 92016

DataEvents : 14062

ThresholdMass : 63.7591

$$\alpha_{ij} = -0.0121416 \pm 0.000552418$$

$$\sigma_{ij} = 0.00546146 \pm 0.00345216$$



62 ChiMatrix_11_6

Results

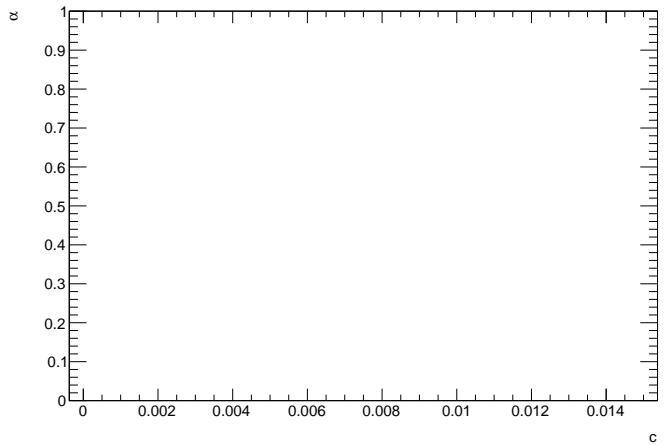
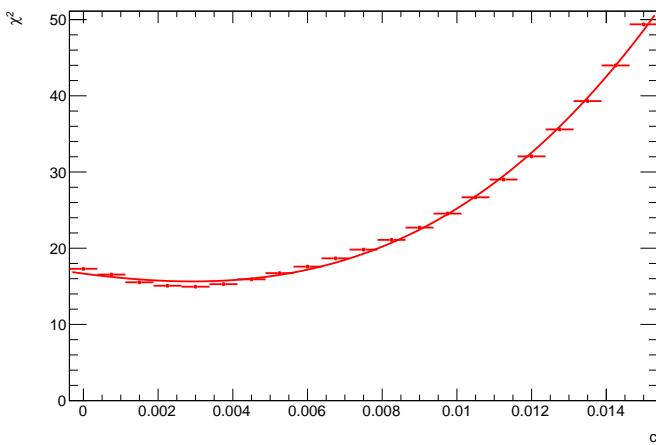
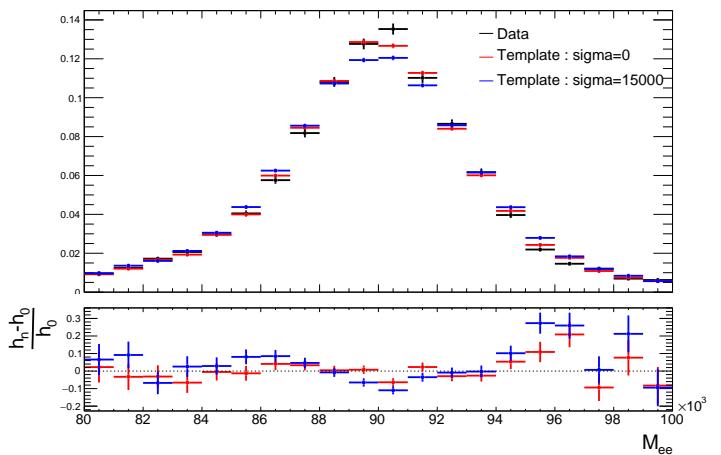
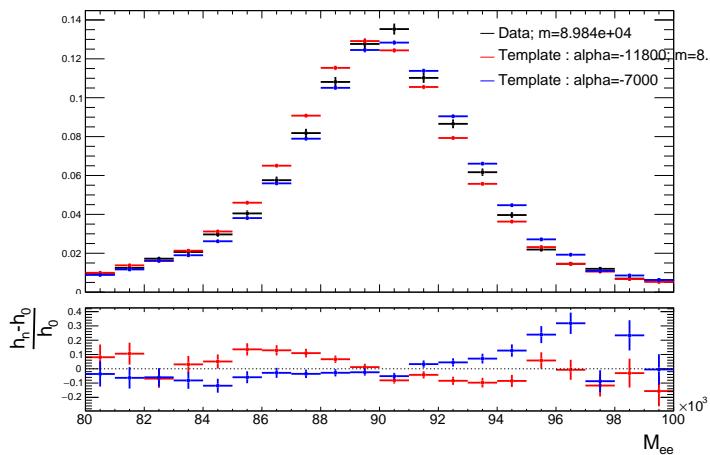
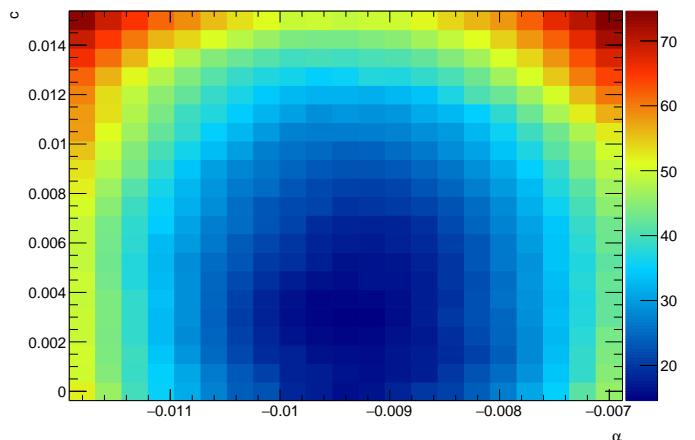
MCEvents : 116568

DataEvents : 18715

ThresholdMass : 60.8918

$$\alpha_{ij} = -0.00927685 \pm 0.000425917$$

$$\sigma_{ij} = 0.00291949 \pm 0.00251026$$



63 ChiMatrix_11_7

Results

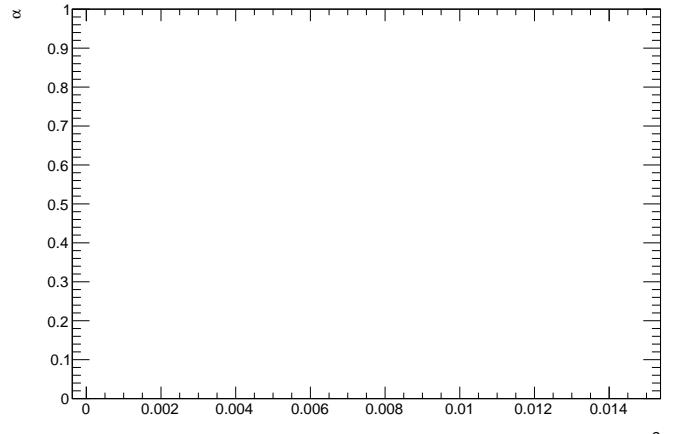
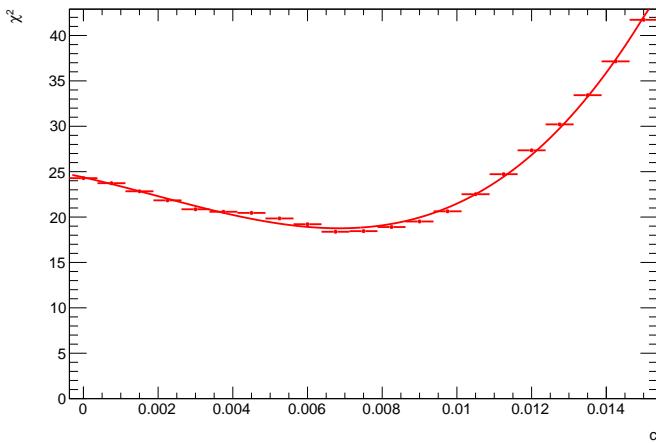
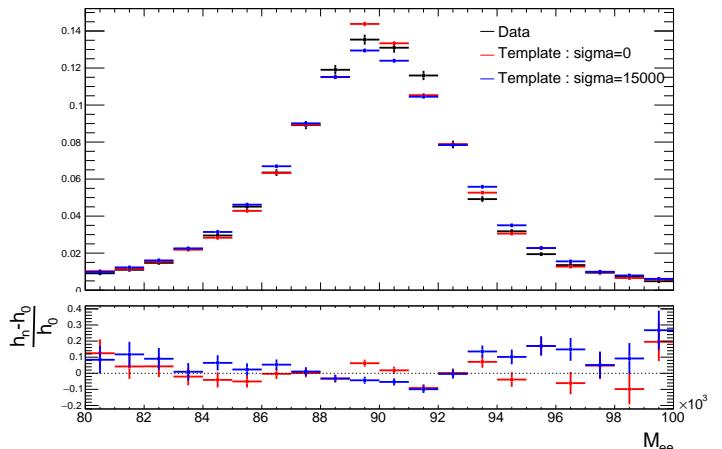
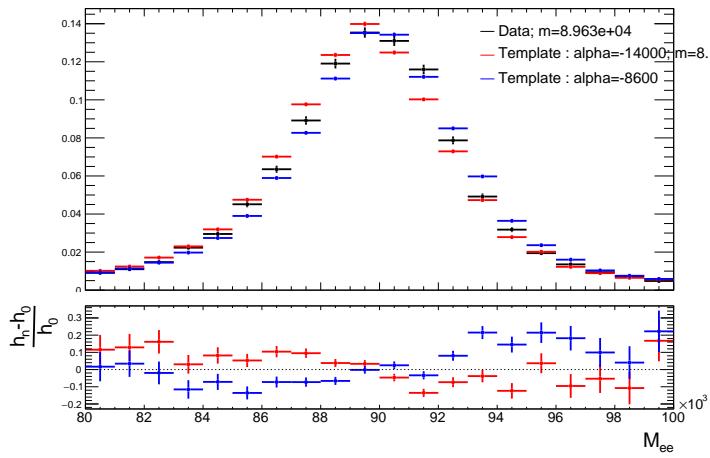
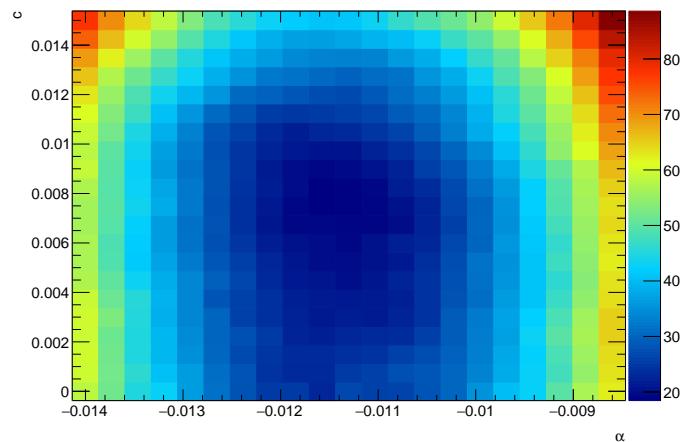
MCEvents : 128778

DataEvents : 20679

ThresholdMass : 58.3779

$$\alpha_{ij} = -0.0114077 \pm 0.000416689$$

$$\sigma_{ij} = 0.00684781 \pm 0.00197878$$



64 ChiMatrix_11_8

Results

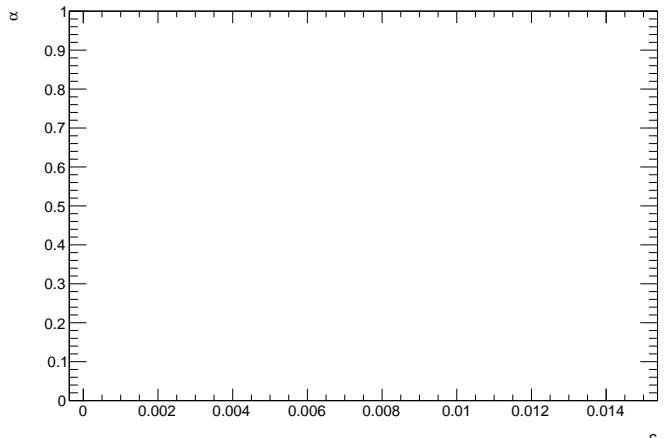
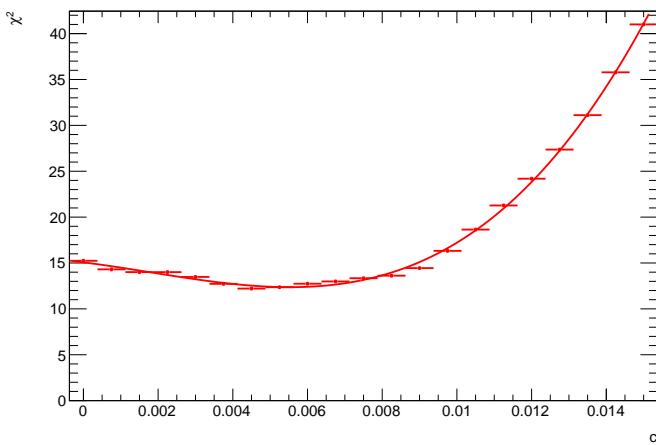
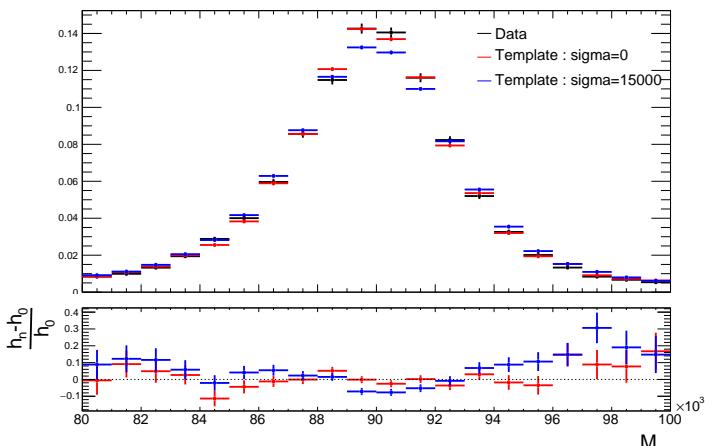
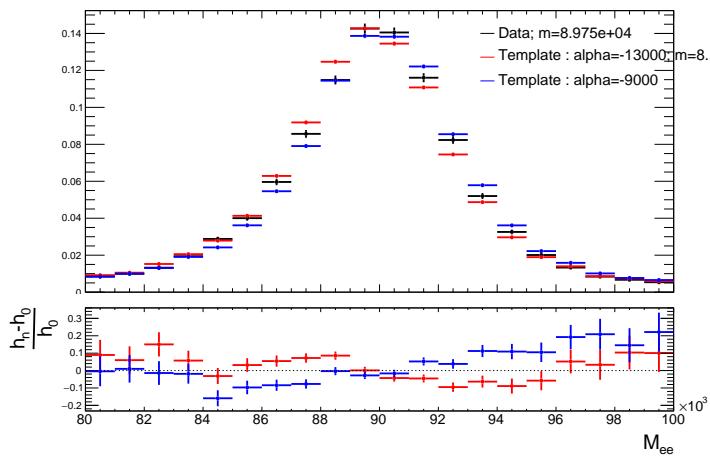
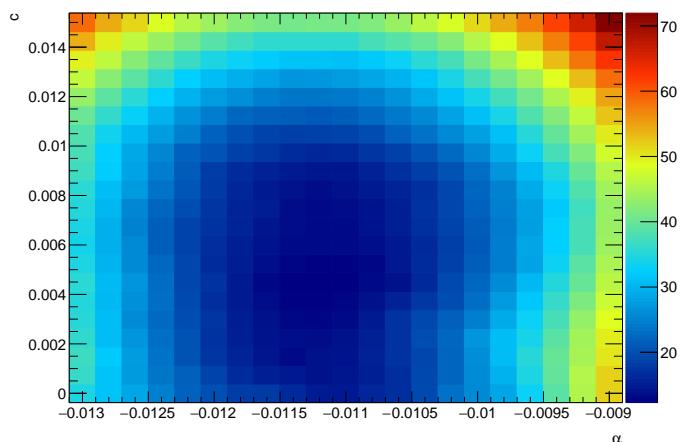
MCEvents : 133974

DataEvents : 21945

ThresholdMass : 56.4483

$$\alpha_{ij} = -0.0111865 \pm 0.00038553$$

$$\sigma_{ij} = 0.00553294 \pm 0.0021926$$



65 ChiMatrix_11_9

Results

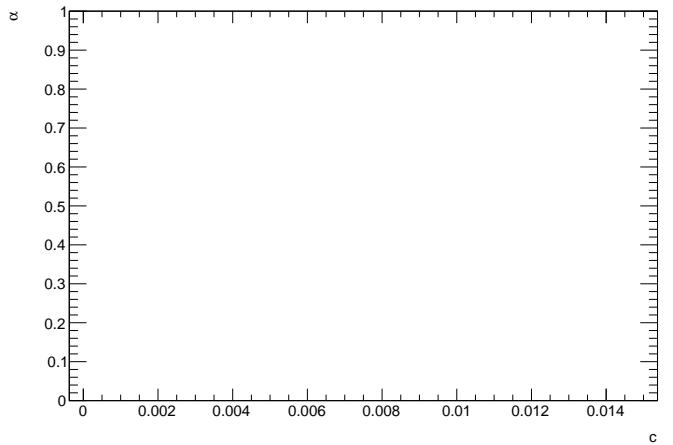
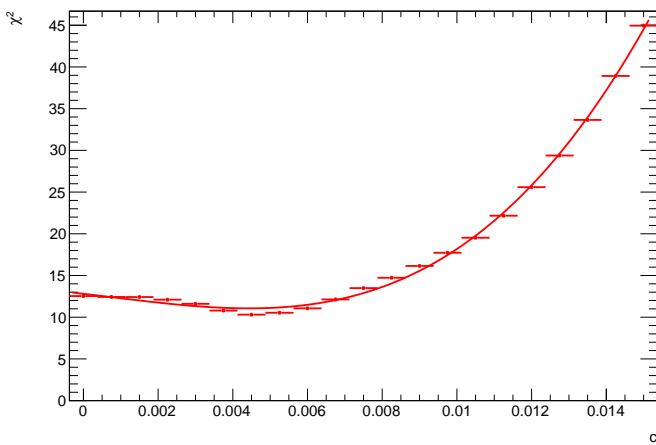
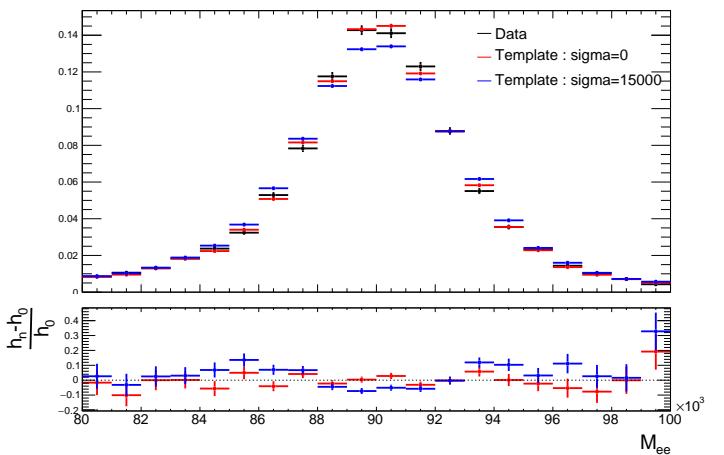
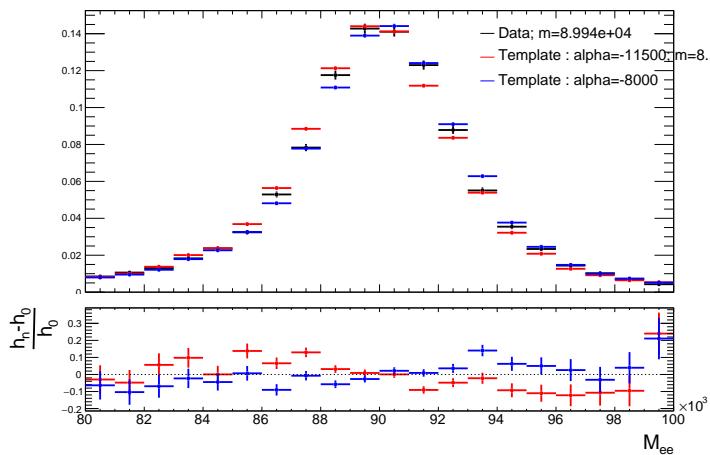
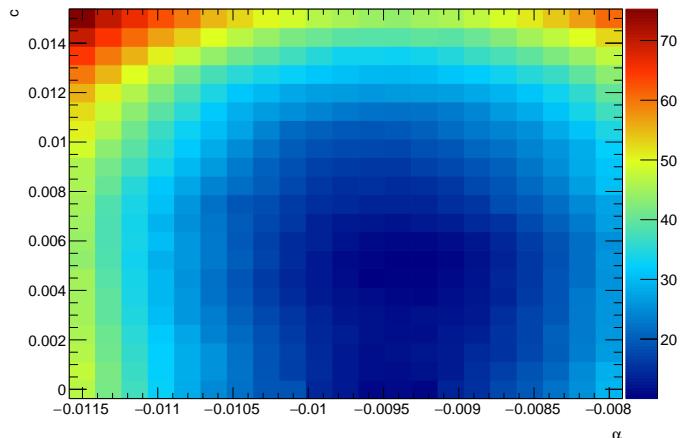
MCEvents : 137736

DataEvents : 23040

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.00938919 \pm 0.00035768$$

$$\sigma_{ij} = 0.00442993 \pm 0.00233144$$



66 ChiMatrix_11_10

Results

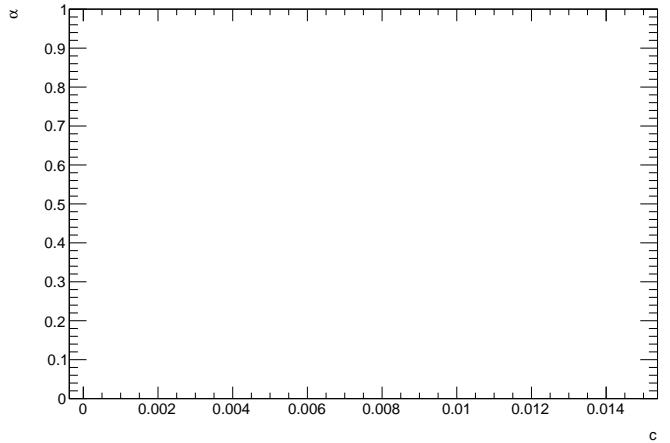
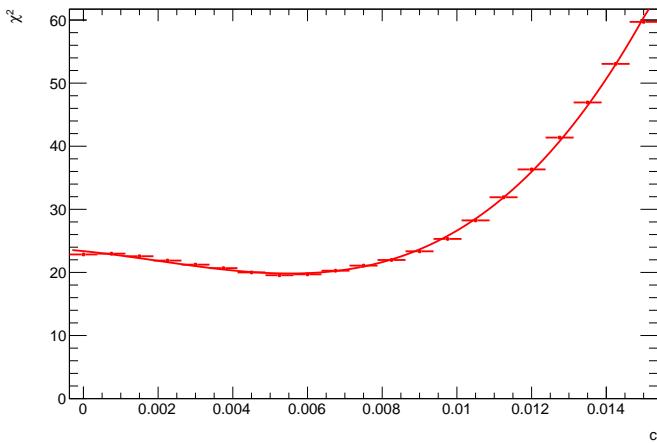
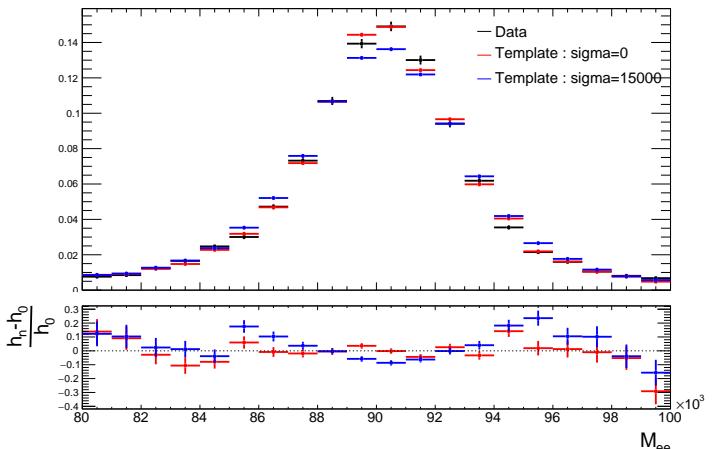
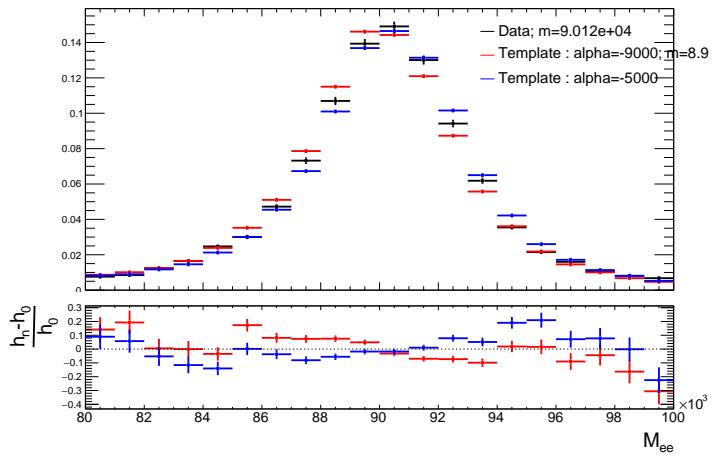
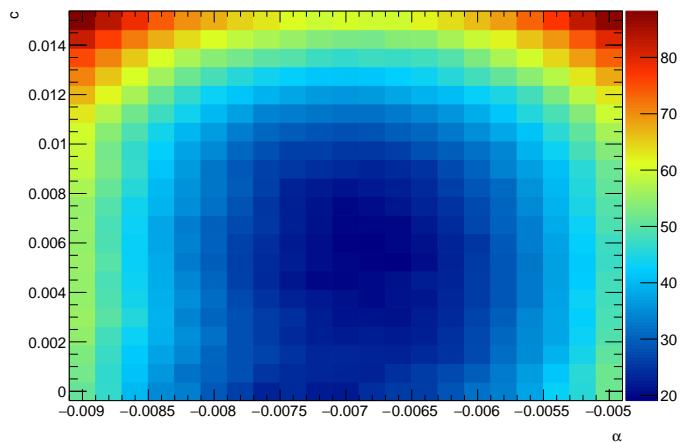
MCEvents : 138198

DataEvents : 23323

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.00688352 \pm 0.000353671$$

$$\sigma_{ij} = 0.00553136 \pm 0.00188293$$



67 ChiMatrix_11_11

Results

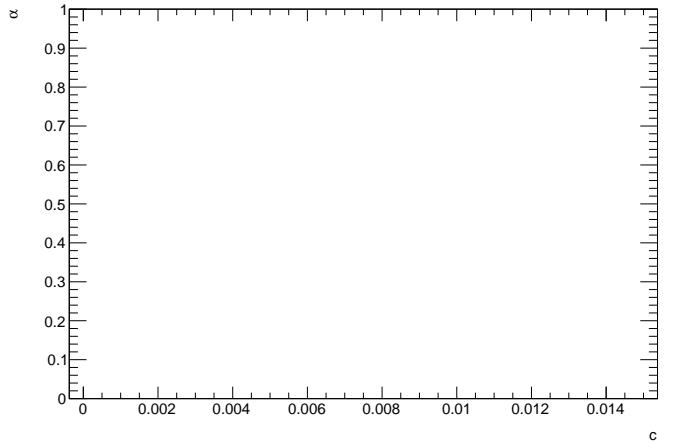
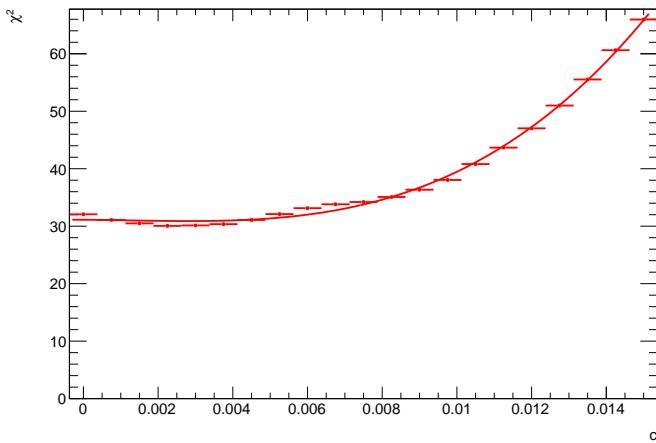
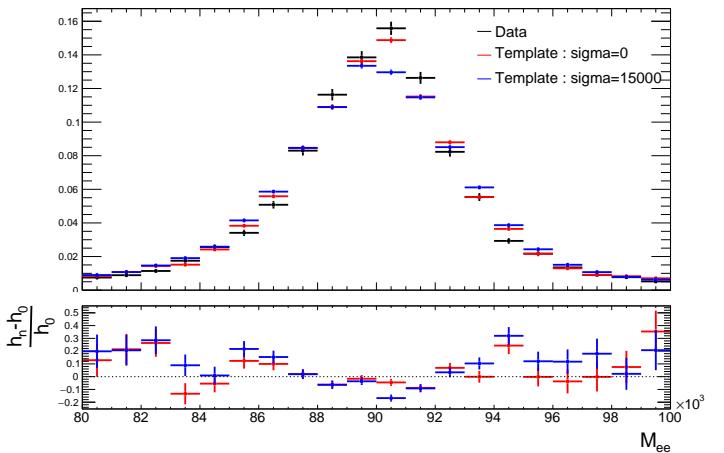
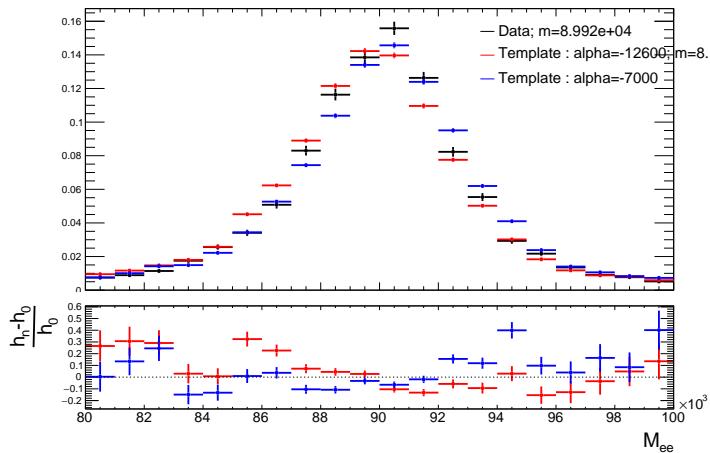
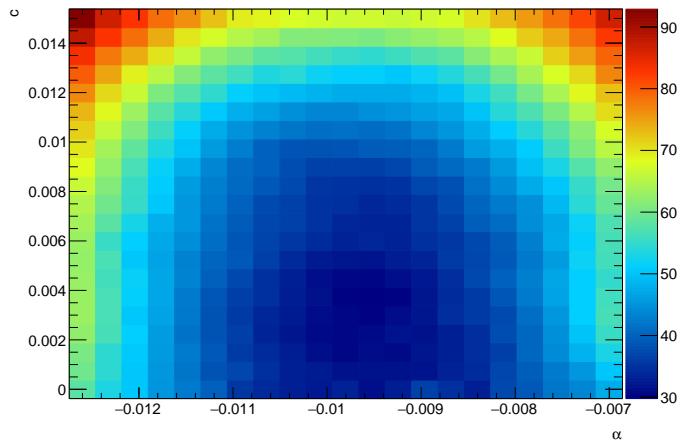
MCEvents : 68358

DataEvents : 11339

ThresholdMass : 54

$$\alpha_{ij} = -0.00962703 \pm 0.000520217$$

$$\sigma_{ij} = 0.00283136 \pm 0.00302413$$



68 ChiMatrix_12_5

Results

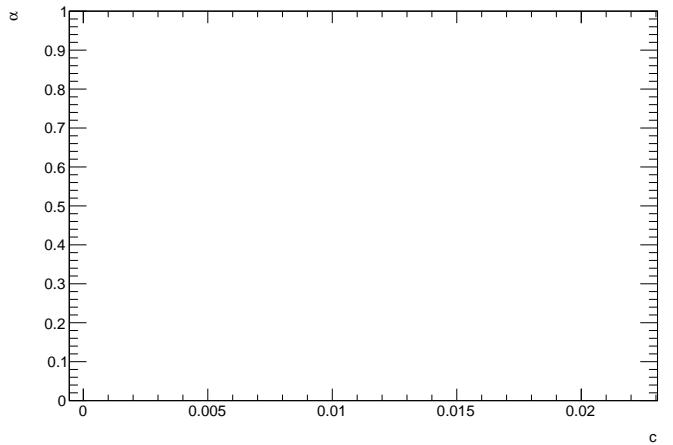
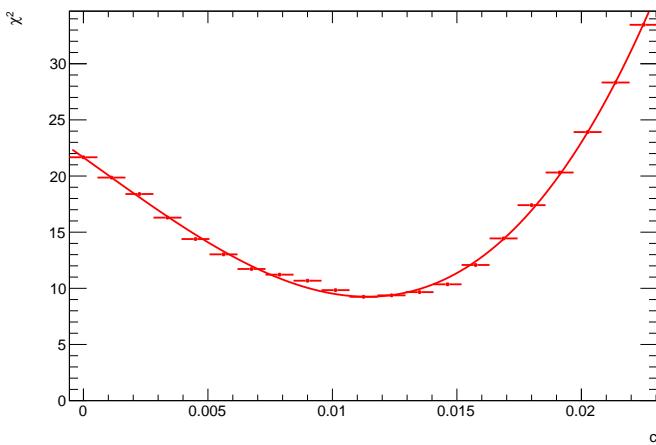
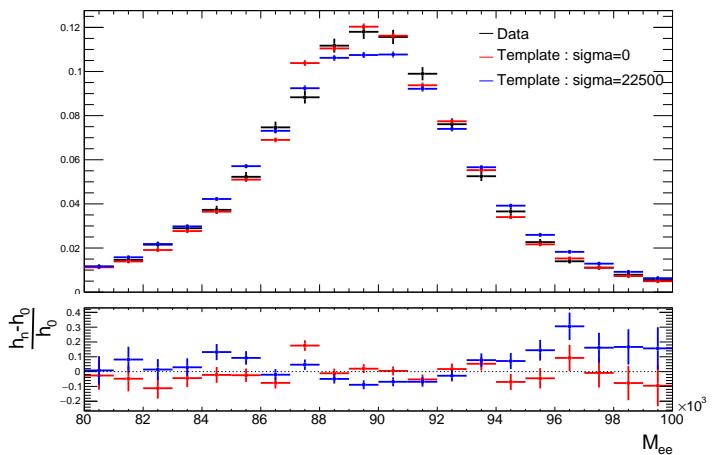
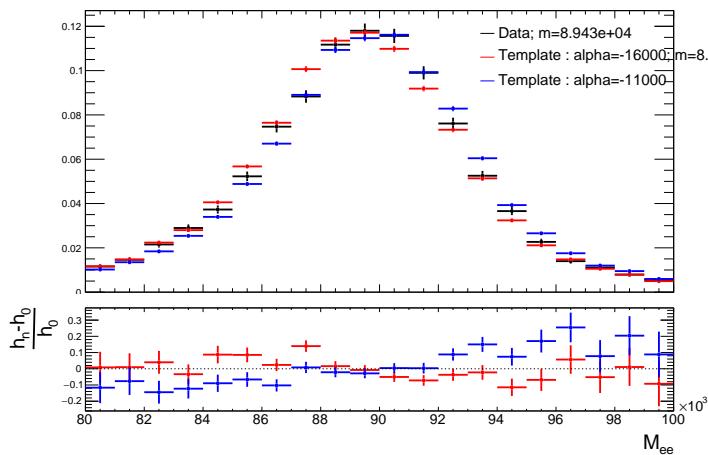
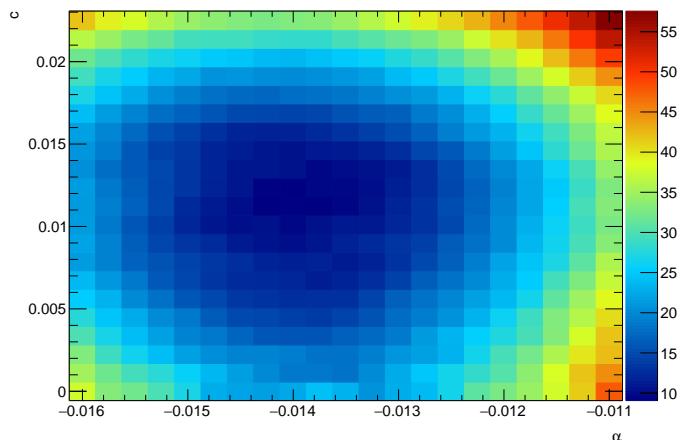
MCEvents : 81360

DataEvents : 12311

ThresholdMass : 67.4738

$$\alpha_{ij} = -0.0139264 \pm 0.000591282$$

$$\sigma_{ij} = 0.0114113 \pm 0.0025103$$



69 ChiMatrix_12_6

Results

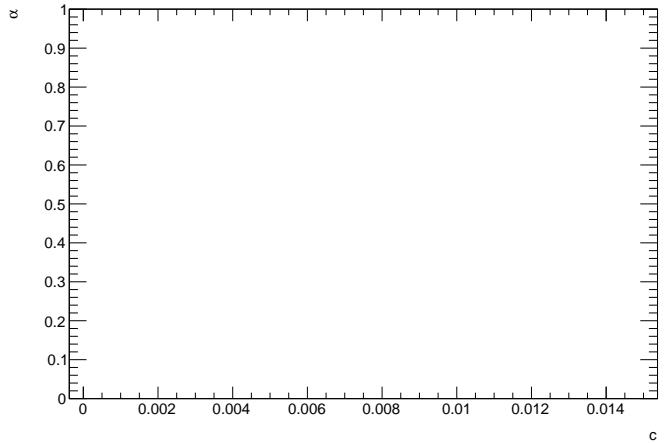
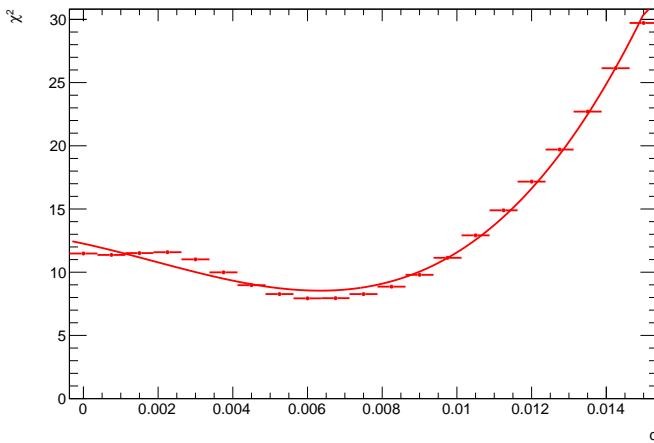
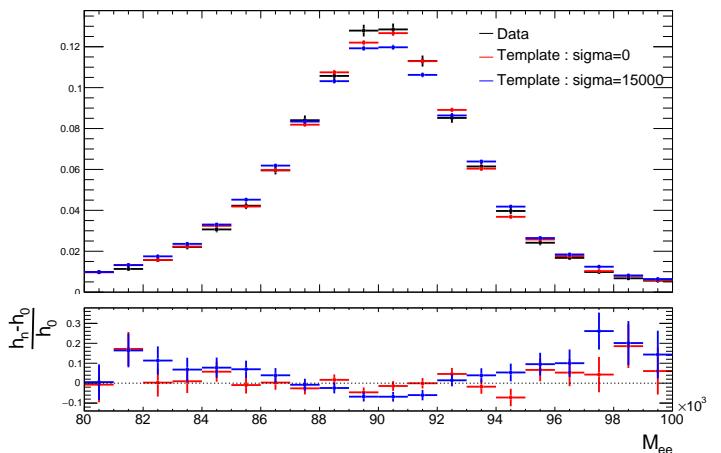
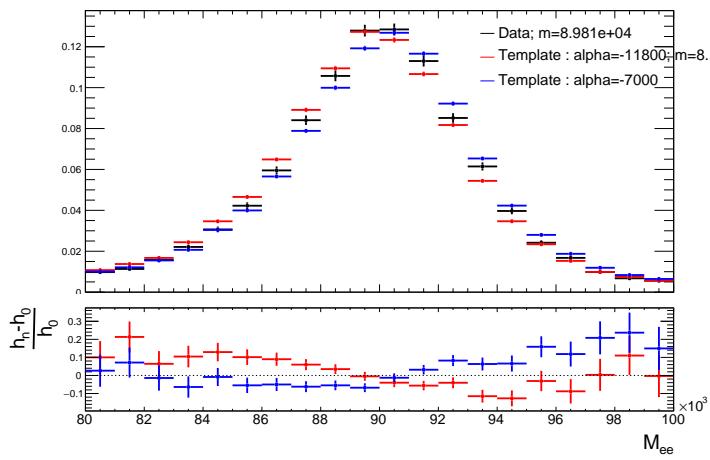
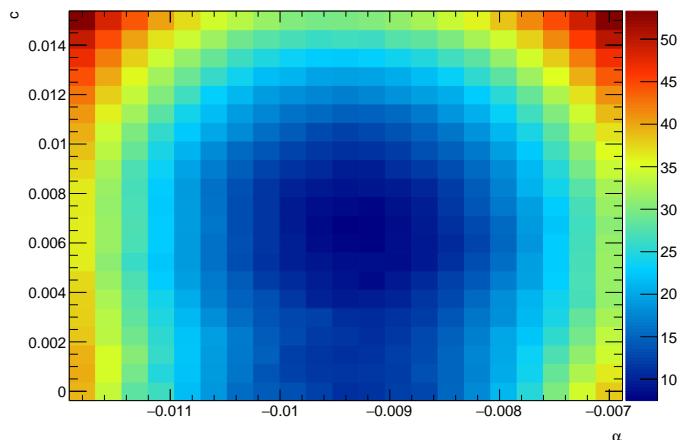
MCEvents : 109020

DataEvents : 17132

ThresholdMass : 64.0151

$$\alpha_{ij} = -0.00927758 \pm 0.000470773$$

$$\sigma_{ij} = 0.00633285 \pm 0.00220424$$



70 ChiMatrix_12_7

Results

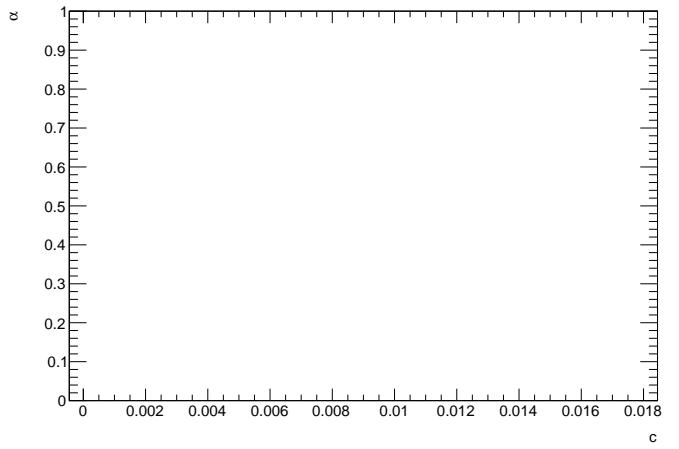
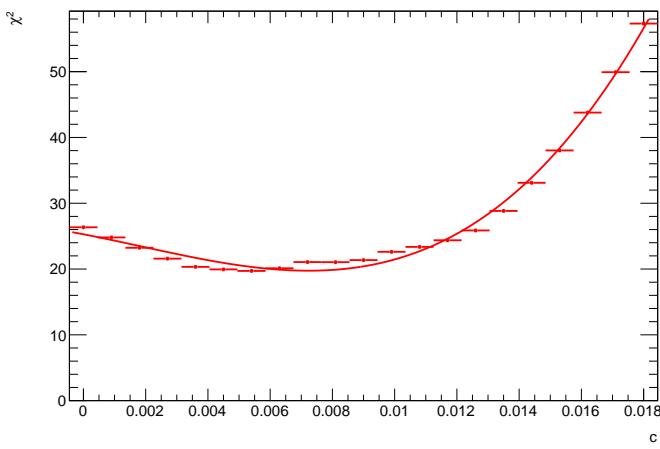
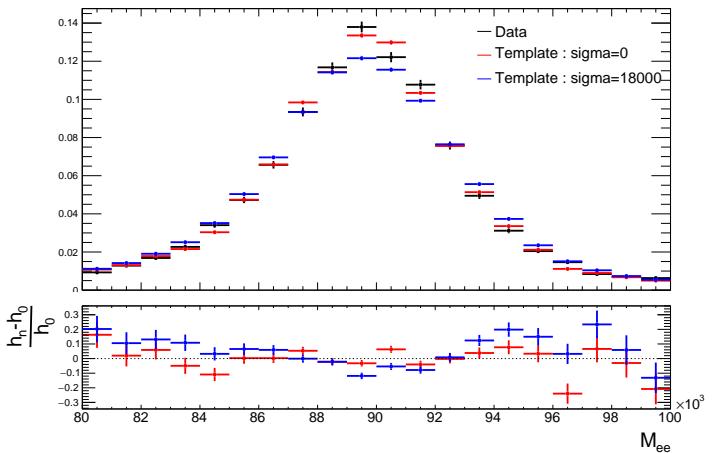
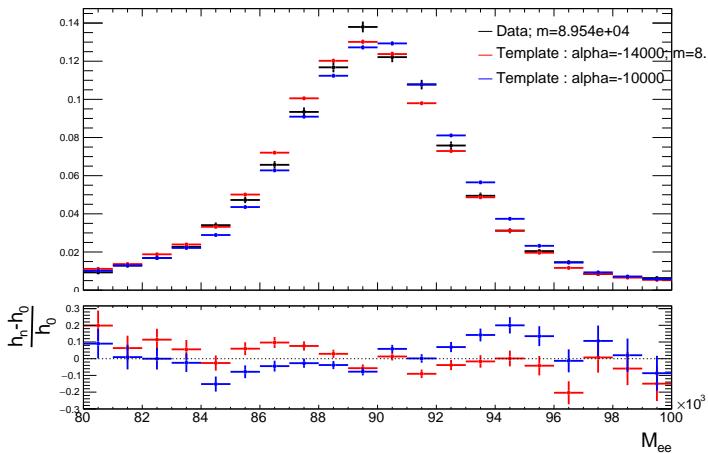
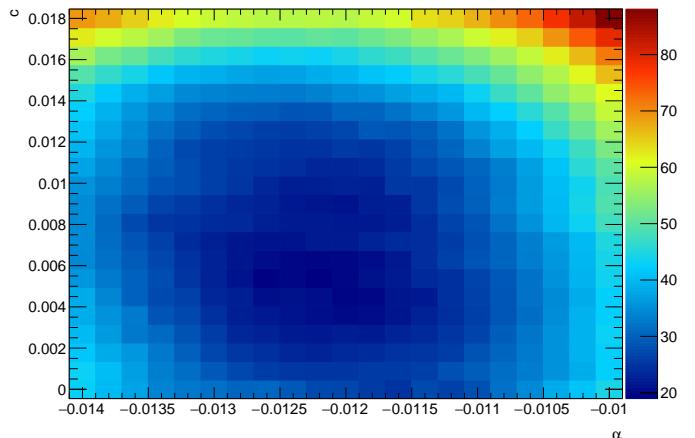
MCEvents : 119940

DataEvents : 19194

ThresholdMass : 60.8918

$$\alpha_{ij} = -0.0122792 \pm 0.000474112$$

$$\sigma_{ij} = 0.00723551 \pm 0.00214789$$



71 ChiMatrix_12_8

Results

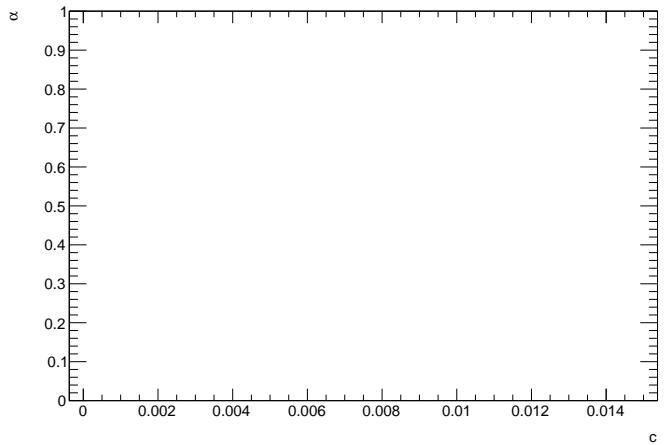
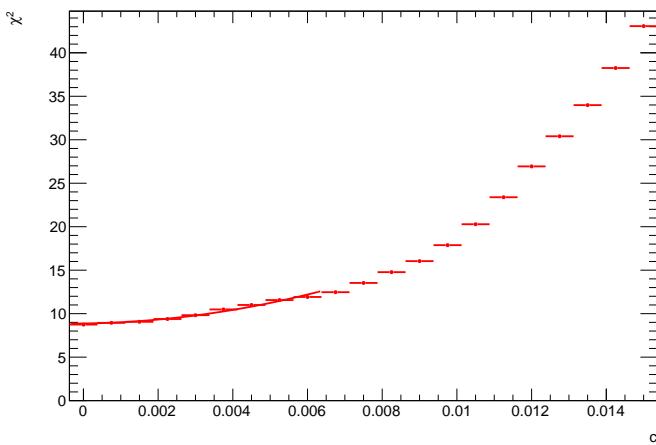
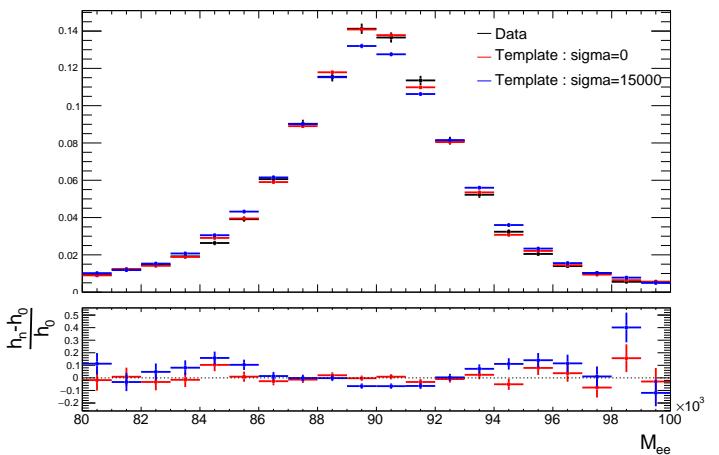
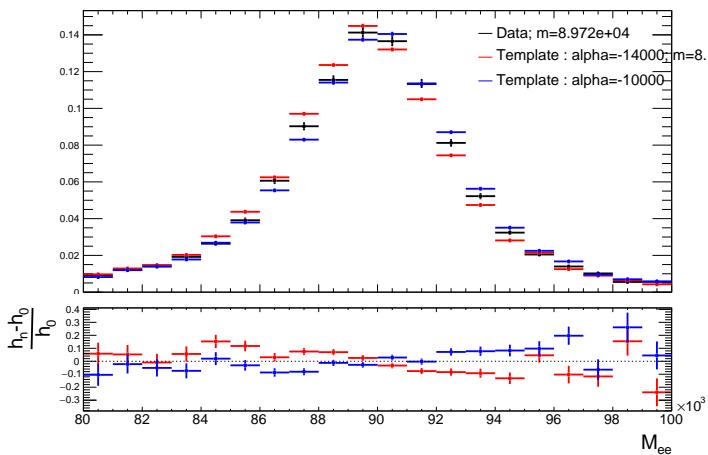
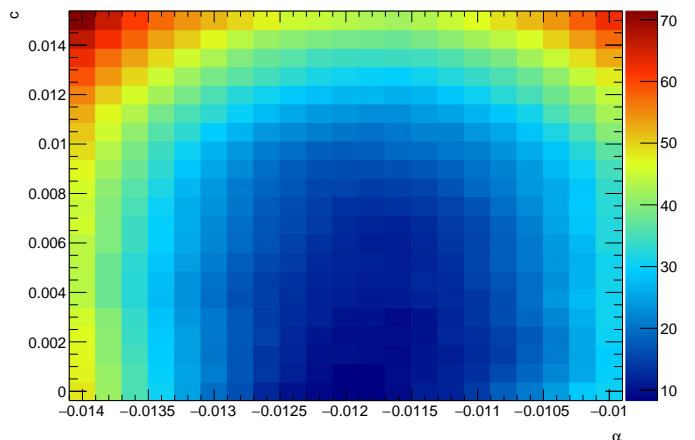
MCEvents : 130674

DataEvents : 20781

ThresholdMass : 58.3779

$$\alpha_{ij} = -0.0117621 \pm 0.000354487$$

$$\sigma_{ij} = 0 \pm 0.00348953$$



72 ChiMatrix_12_9

Results

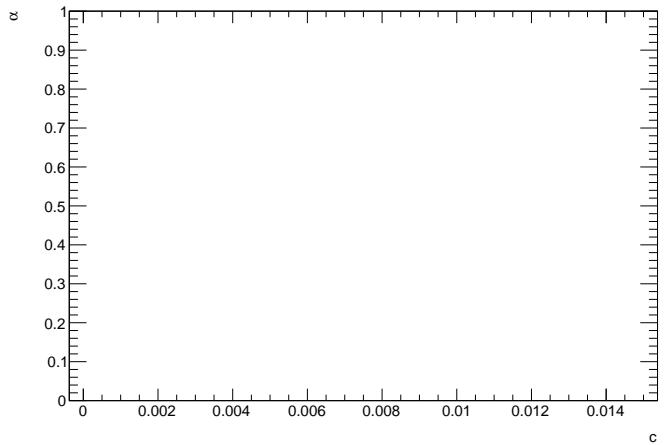
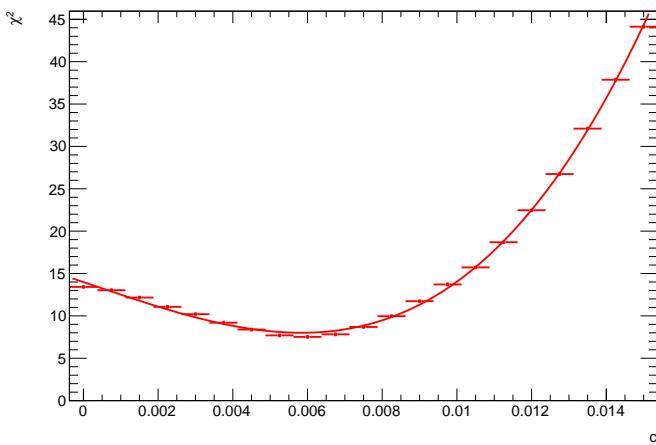
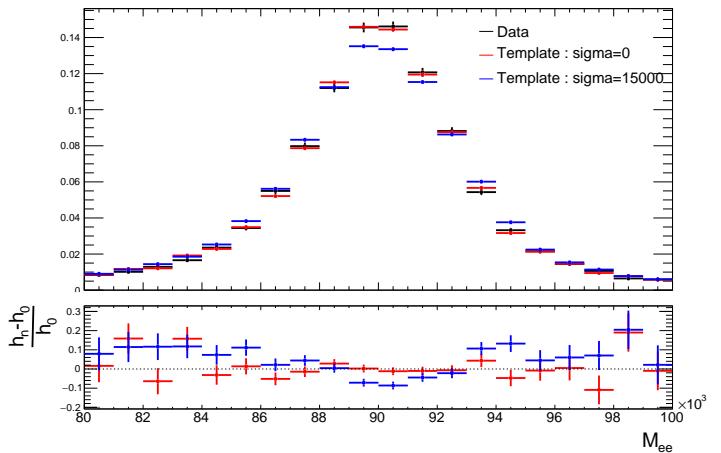
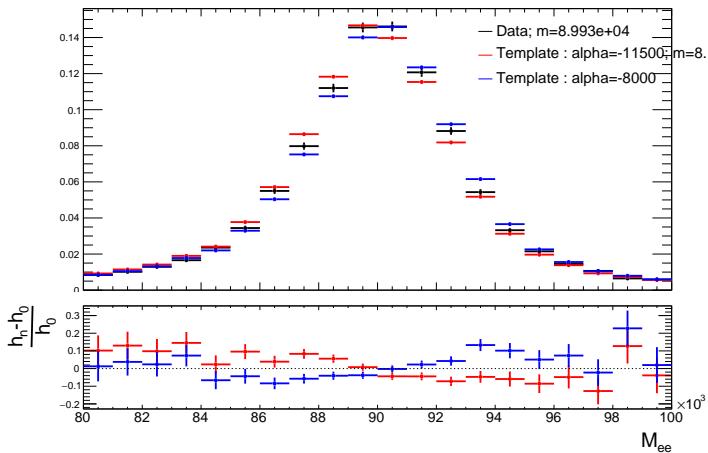
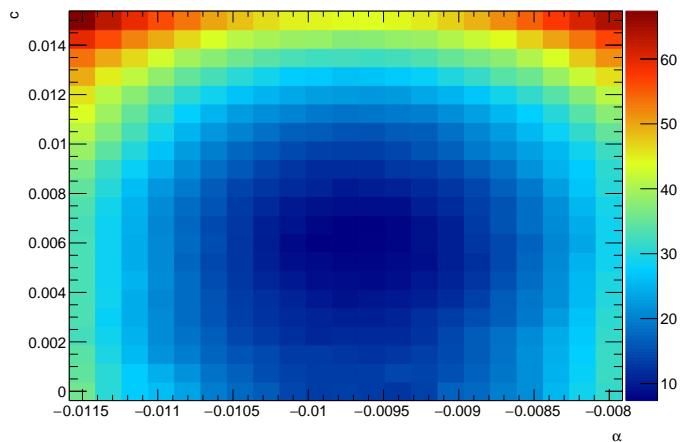
MCEvents : 134586

DataEvents : 22322

ThresholdMass : 56.4483

$$\alpha_{ij} = -0.00966778 \pm 0.000362234$$

$$\sigma_{ij} = 0.00583201 \pm 0.00180678$$



73 ChiMatrix_12_10

Results

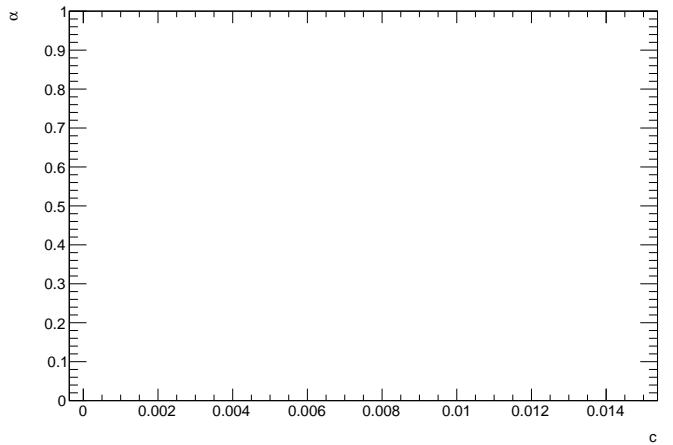
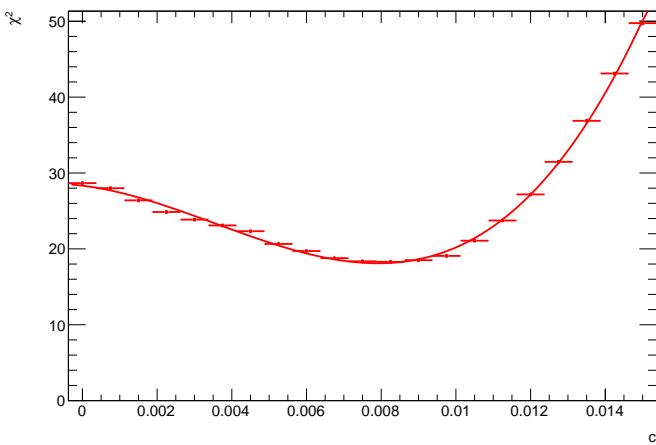
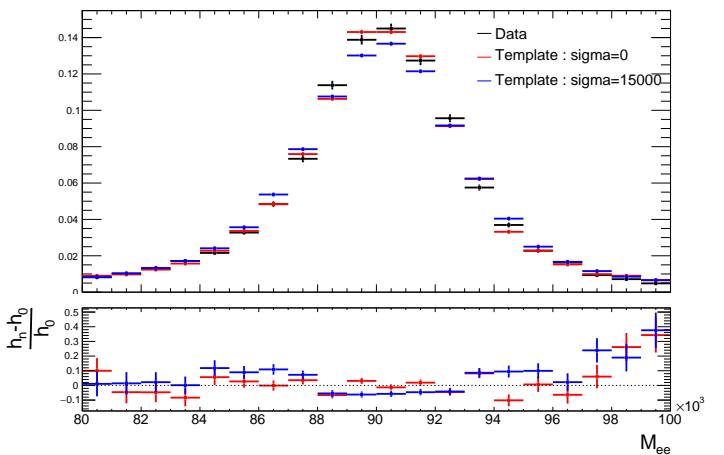
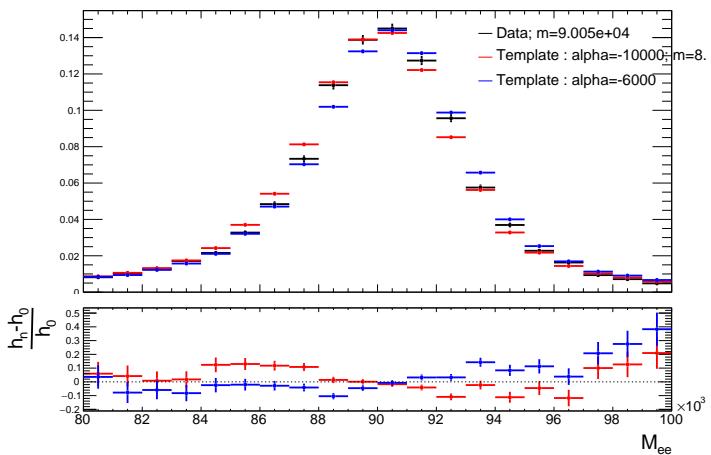
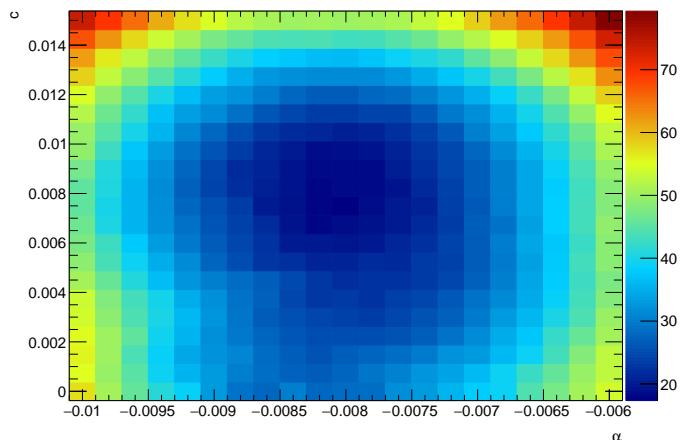
MCEvents : 137130

DataEvents : 22925

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.00805204 \pm 0.000370883$$

$$\sigma_{ij} = 0.00791598 \pm 0.00147414$$



74 ChiMatrix_12_11

Results

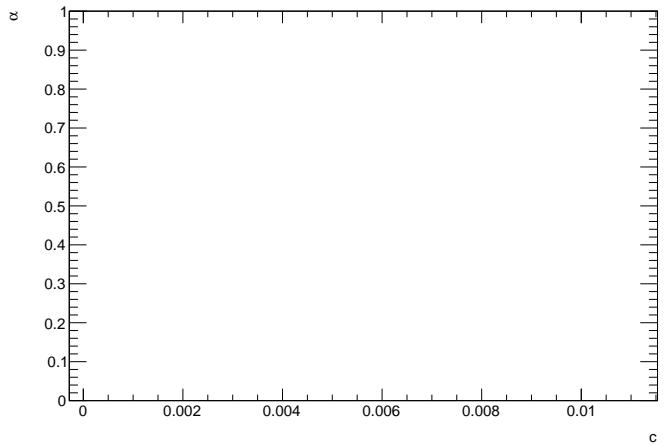
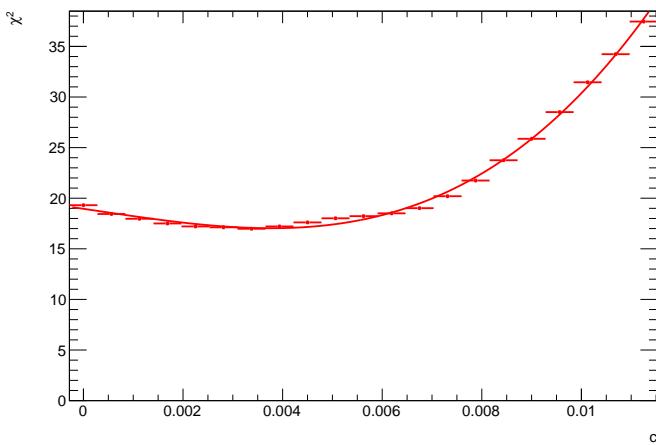
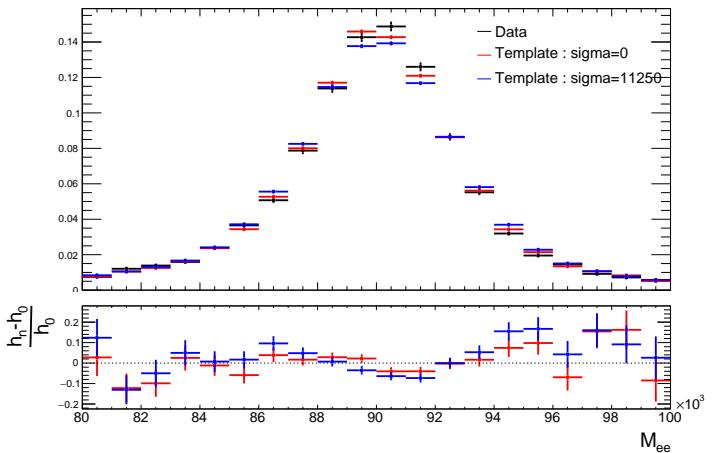
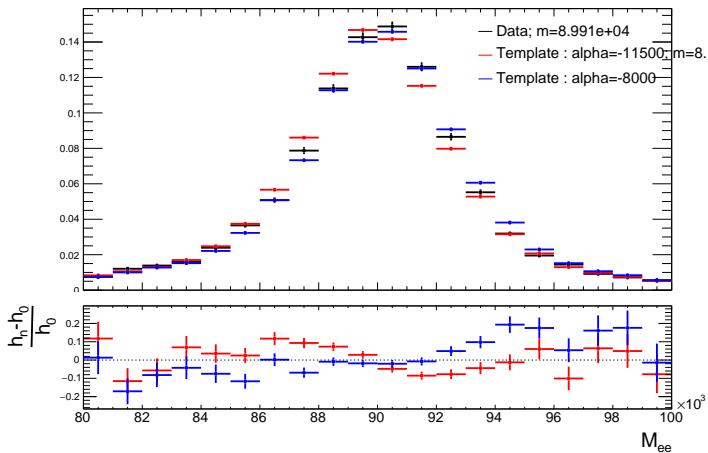
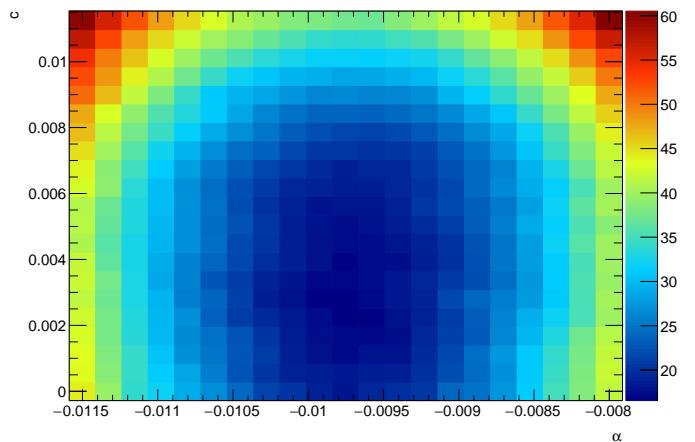
MCEvents : 135318

DataEvents : 22571

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.00971704 \pm 0.000362001$$

$$\sigma_{ij} = 0.00376895 \pm 0.00198037$$



75 ChiMatrix_12_12

Results

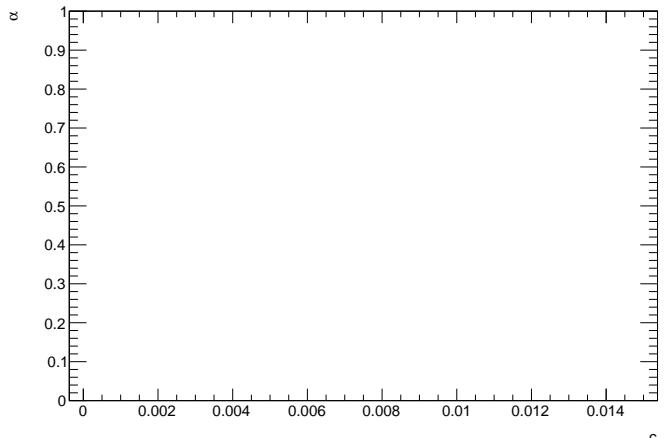
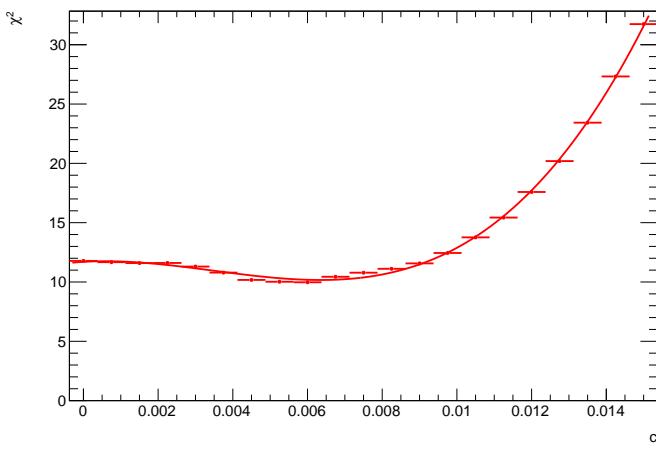
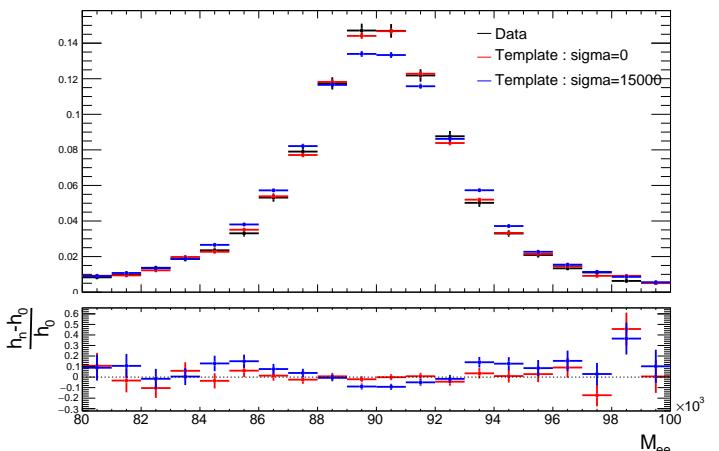
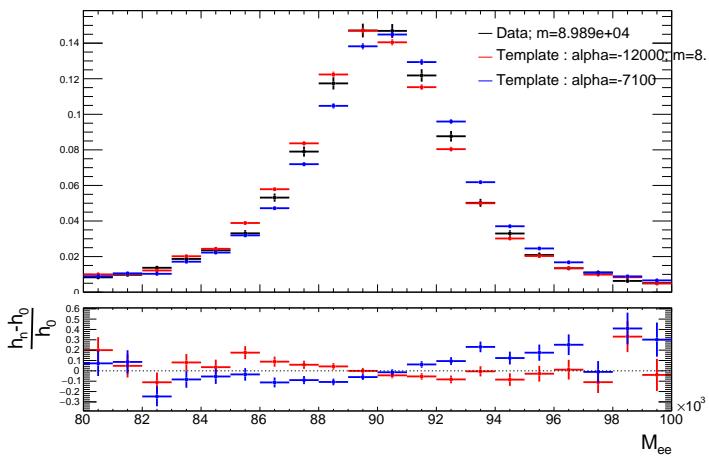
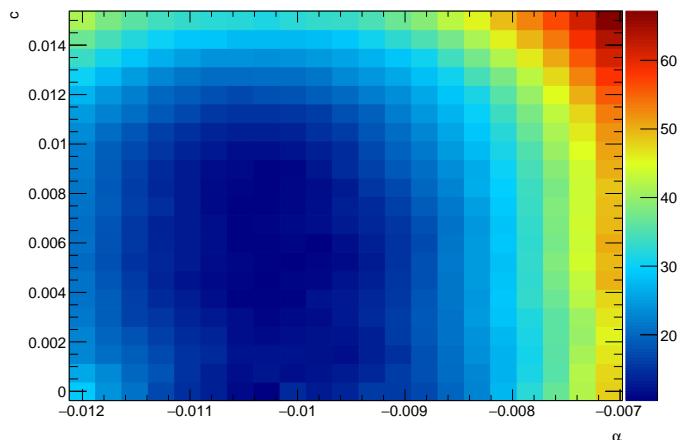
MCEvents : 67428

DataEvents : 11149

ThresholdMass : 54

$$\alpha_{ij} = -0.0102922 \pm 0.000506152$$

$$\sigma_{ij} = 0.00634945 \pm 0.00234673$$



76 ChiMatrix_13_6

Results

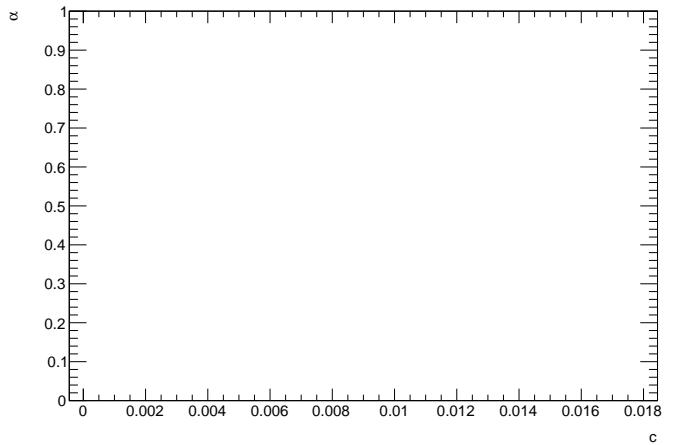
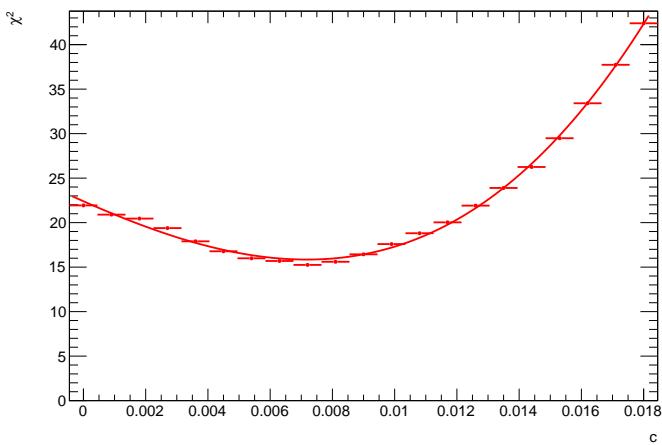
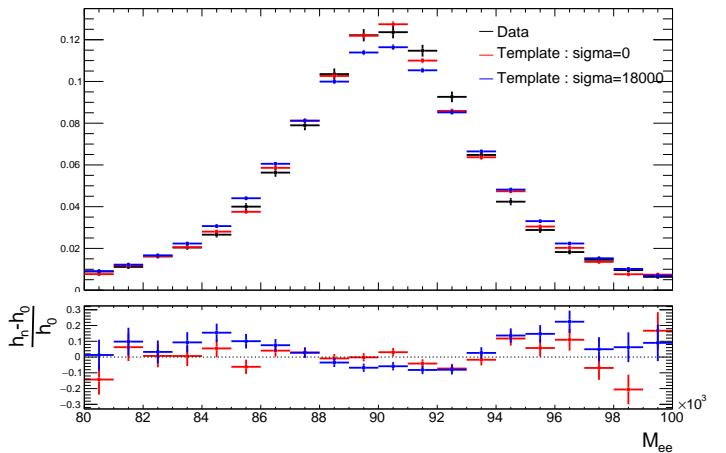
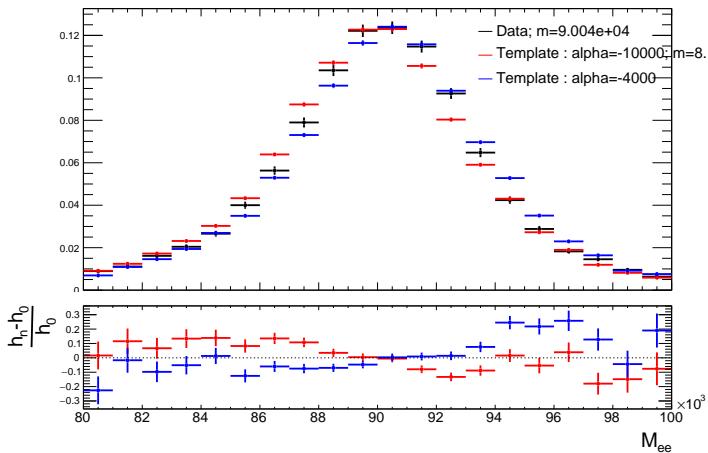
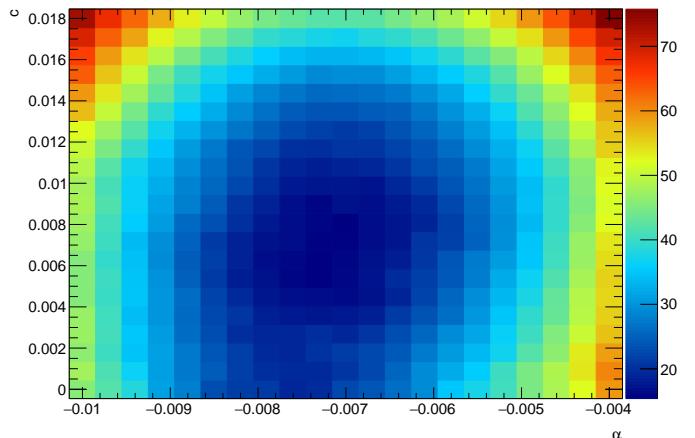
MCEvents : 101382

DataEvents : 15689

ThresholdMass : 67.7791

$$\alpha_{ij} = -0.00715816 \pm 0.000509667$$

$$\sigma_{ij} = 0.00717708 \pm 0.00235999$$



77 ChiMatrix_13_7

Results

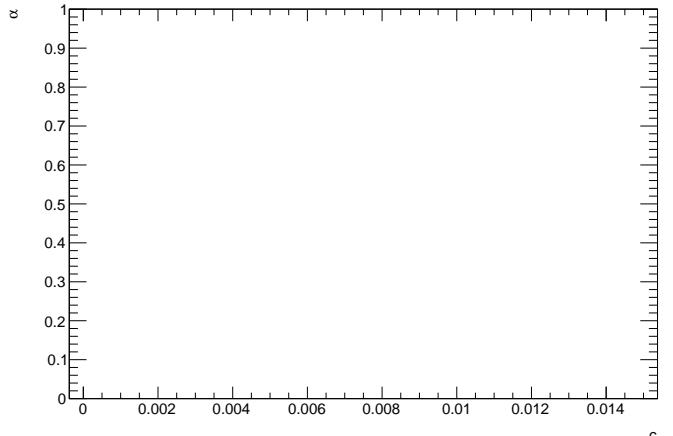
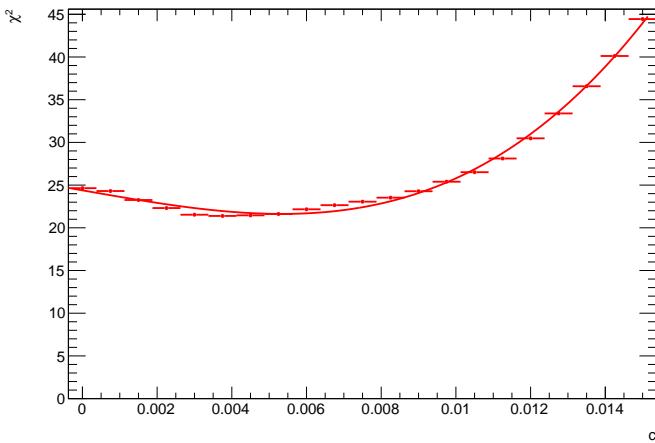
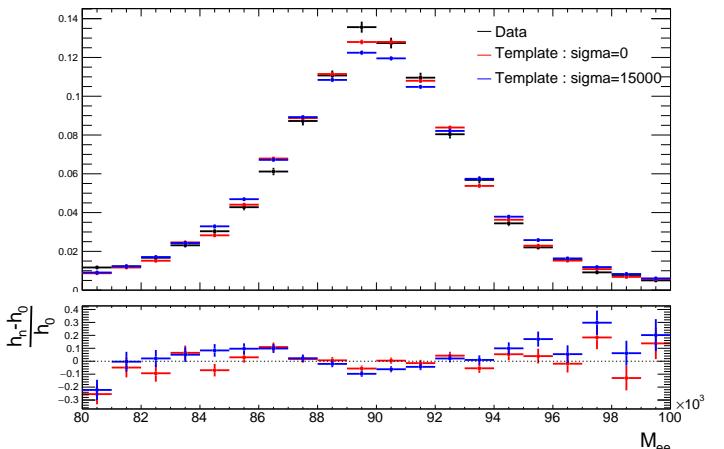
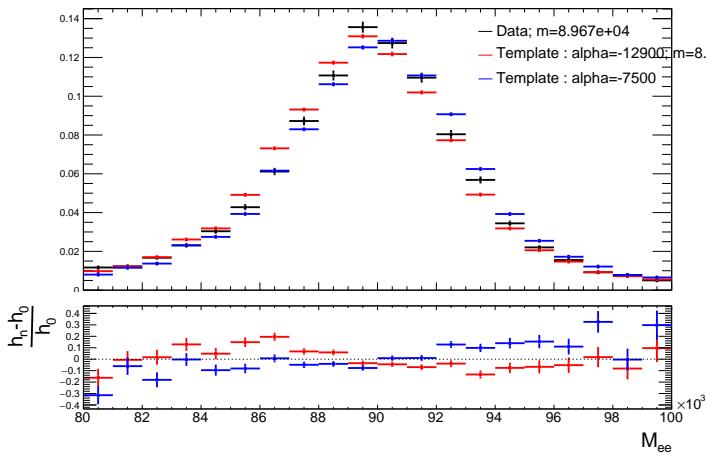
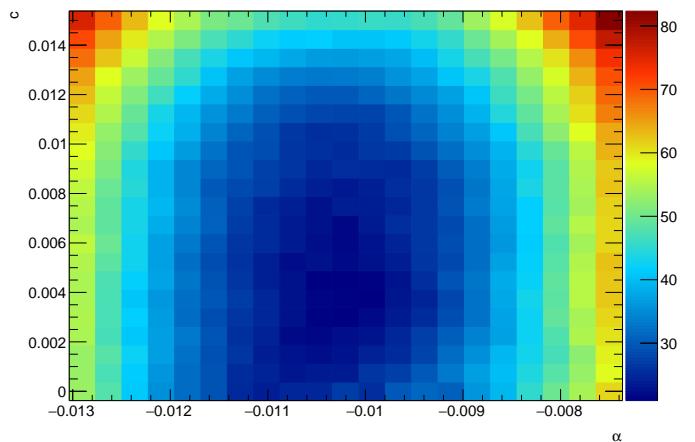
MCEvents : 118182

DataEvents : 18465

ThresholdMass : 64.0151

$$\alpha_{ij} = -0.0103254 \pm 0.000443973$$

$$\sigma_{ij} = 0.00533992 \pm 0.0024218$$



78 ChiMatrix_13_8

Results

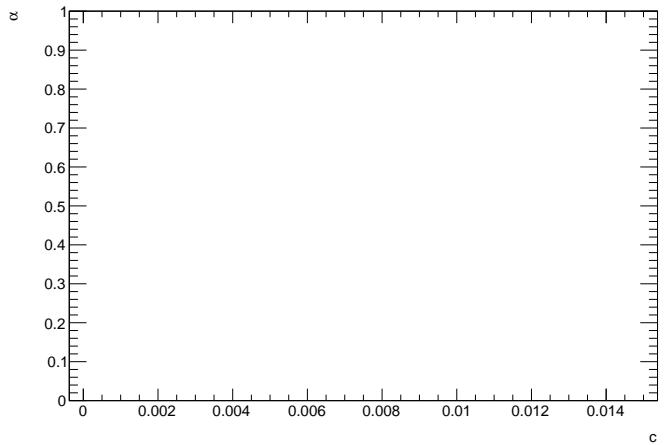
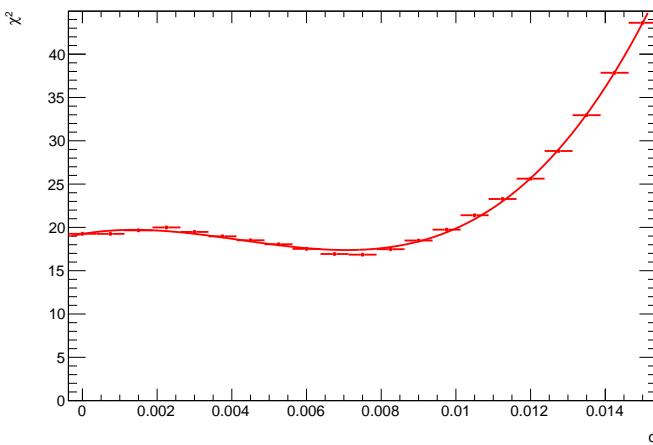
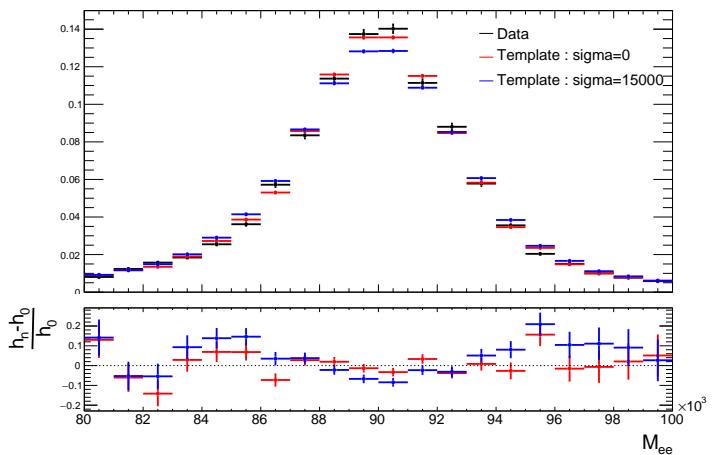
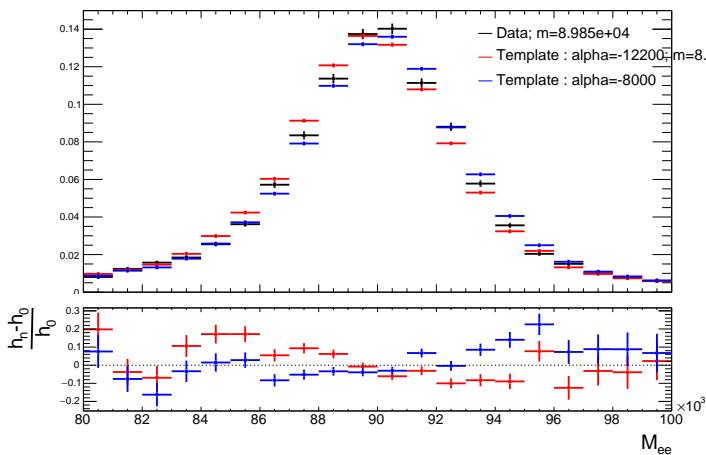
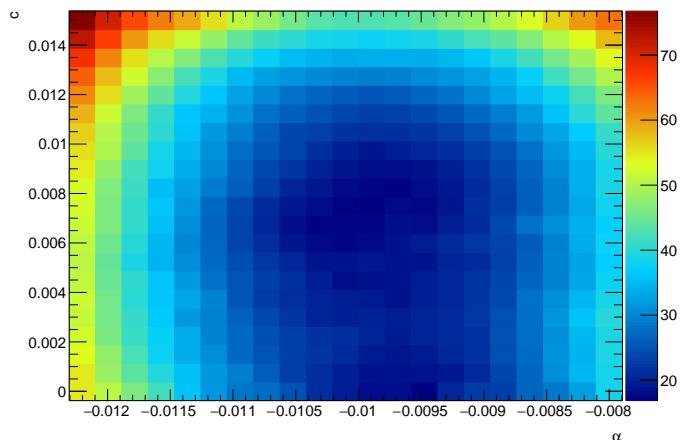
MCEvents : 128292

DataEvents : 20502

ThresholdMass : 60.8918

$$\alpha_{ij} = -0.00984616 \pm 0.000395349$$

$$\sigma_{ij} = 0.00706861 \pm 0.00194174$$



79 ChiMatrix_13_9

Results

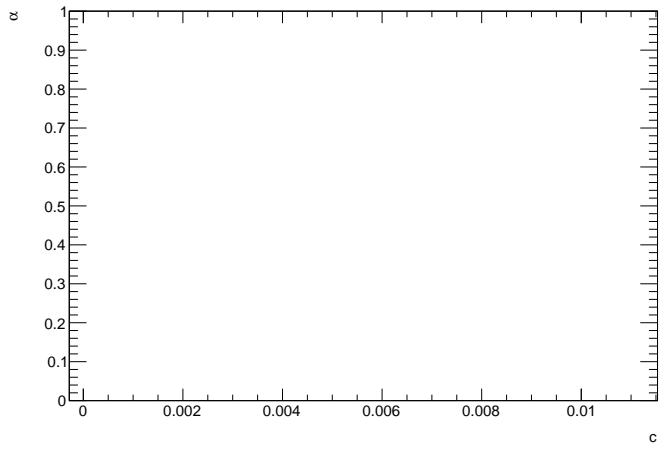
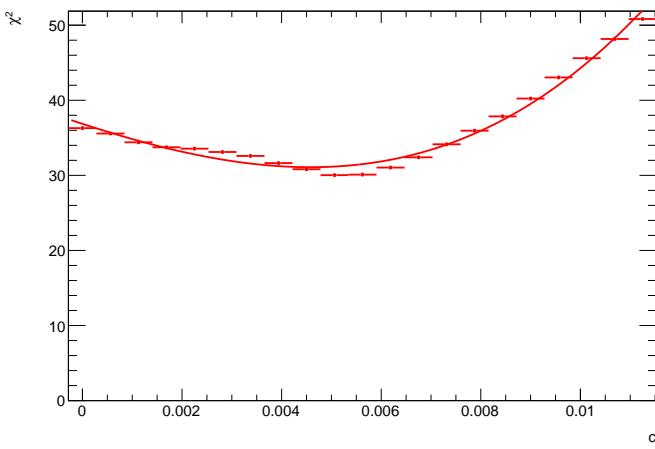
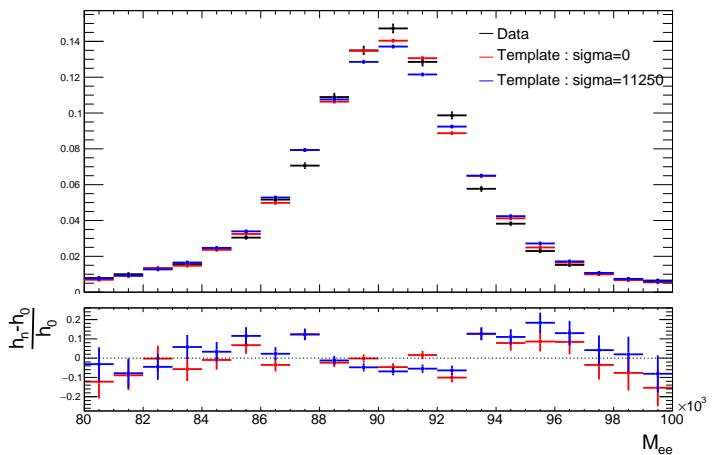
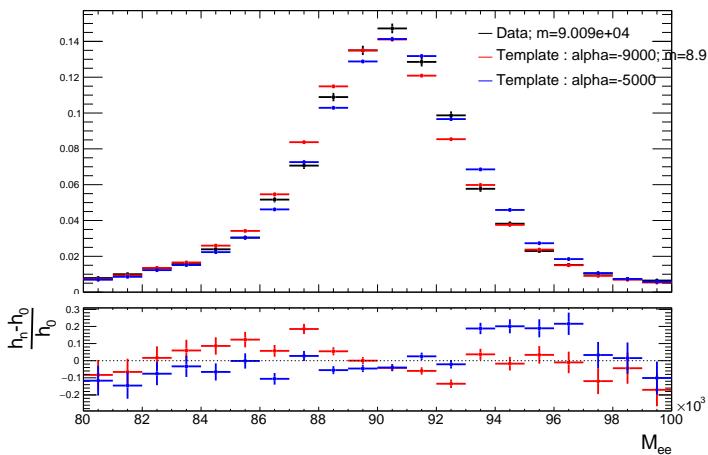
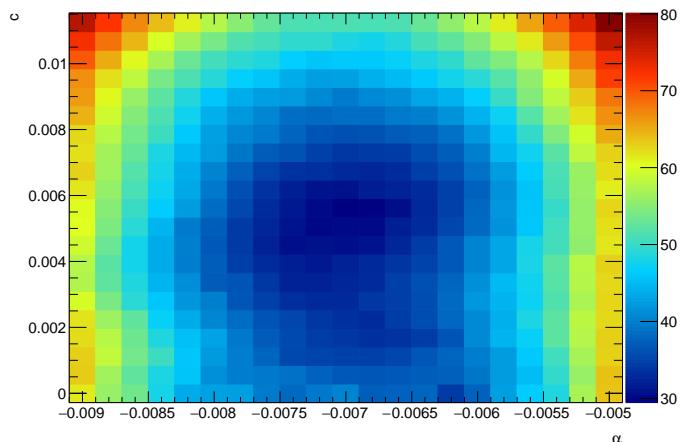
MCEvents : 135786

DataEvents : 22411

ThresholdMass : 58.3779

$$\alpha_{ij} = -0.00705867 \pm 0.000368226$$

$$\sigma_{ij} = 0.00457842 \pm 0.00161684$$



80 ChiMatrix_13_10

Results

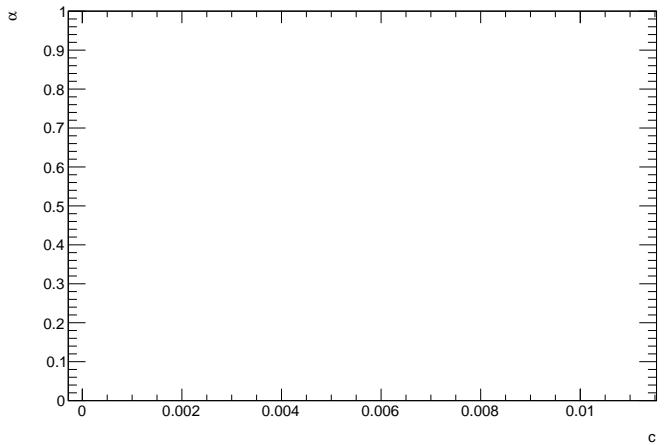
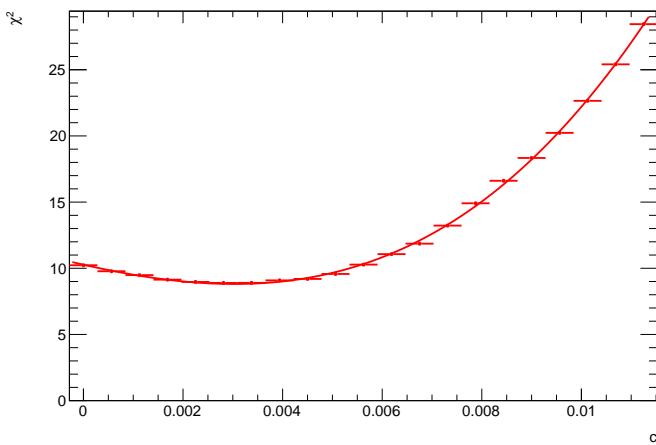
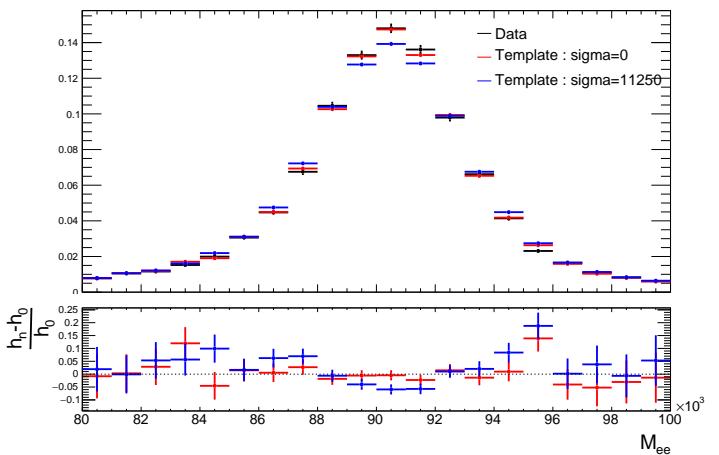
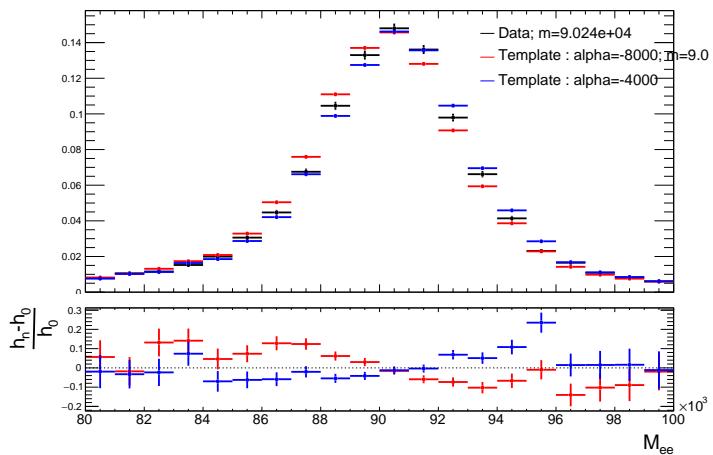
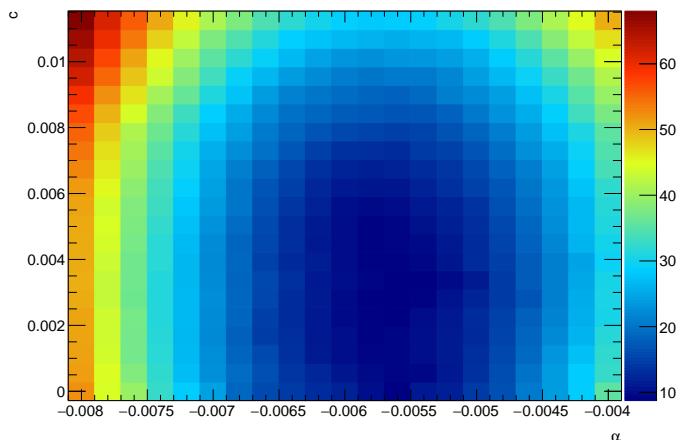
MCEvents : 139752

DataEvents : 23346

ThresholdMass : 56.4483

$$\alpha_{ij} = -0.00567351 \pm 0.000362343$$

$$\sigma_{ij} = 0.00303125 \pm 0.00213538$$



81 ChiMatrix_13_11

Results

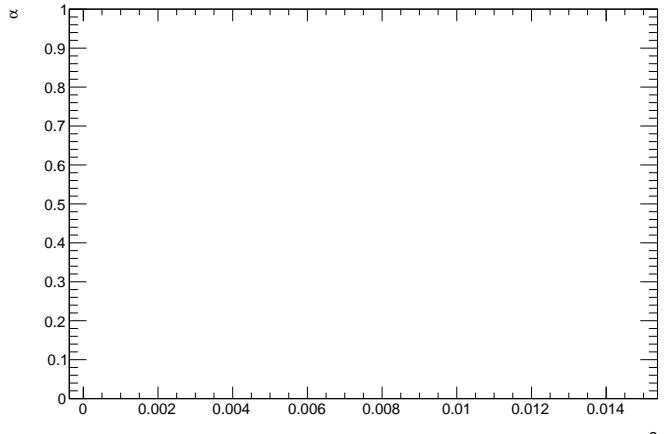
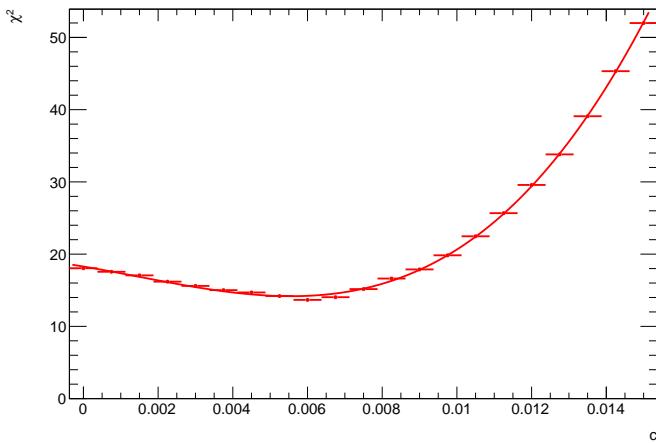
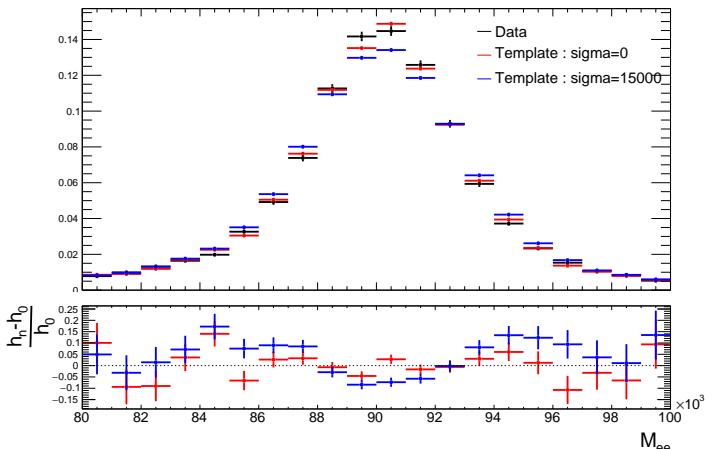
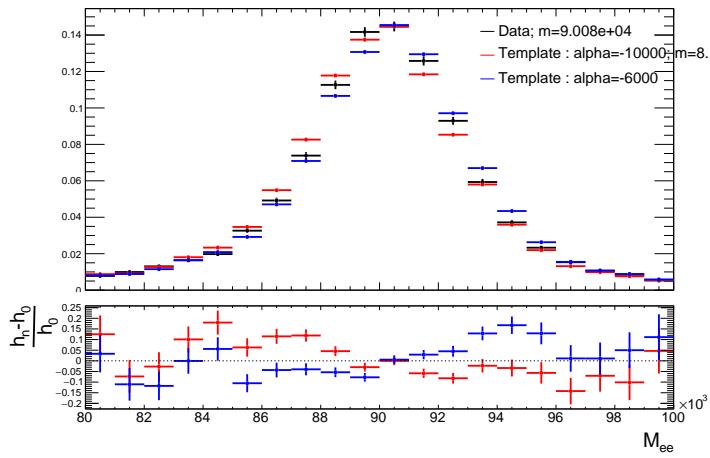
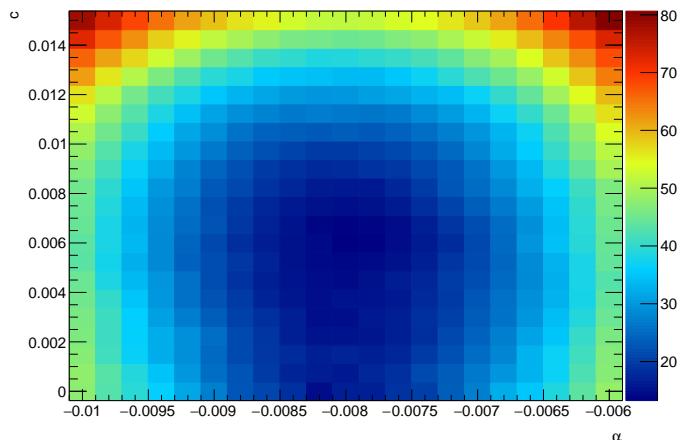
MCEvents : 139056

DataEvents : 22890

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.00800275 \pm 0.000368578$$

$$\sigma_{ij} = 0.00556494 \pm 0.00189567$$



82 ChiMatrix_13_12

Results

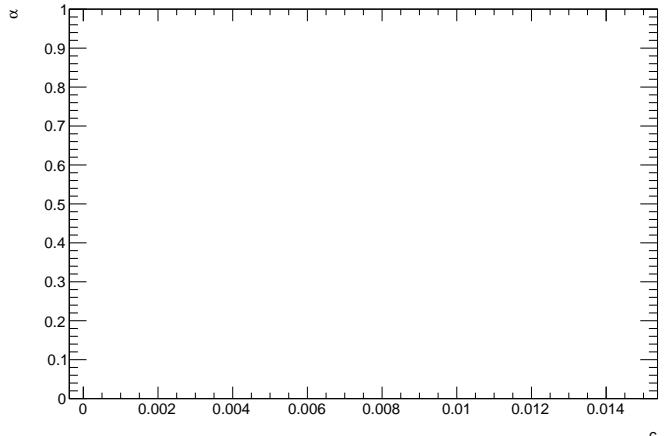
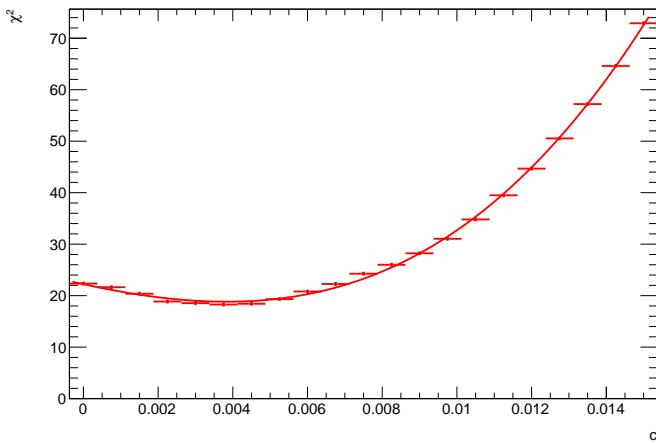
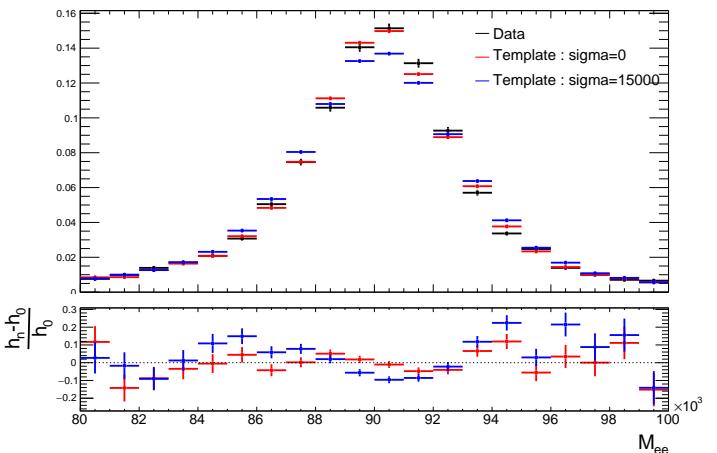
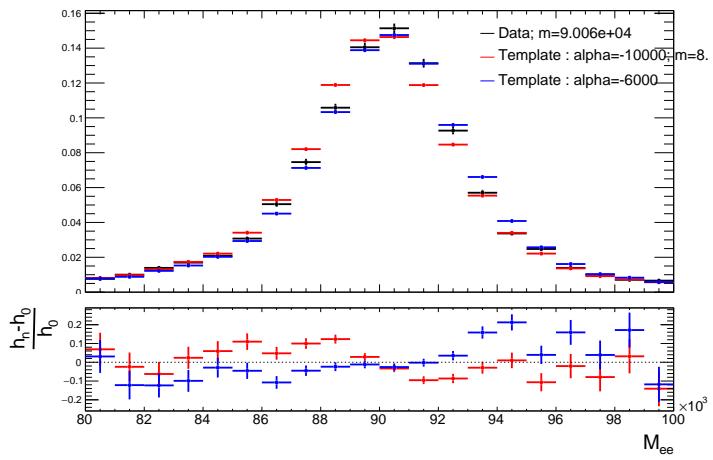
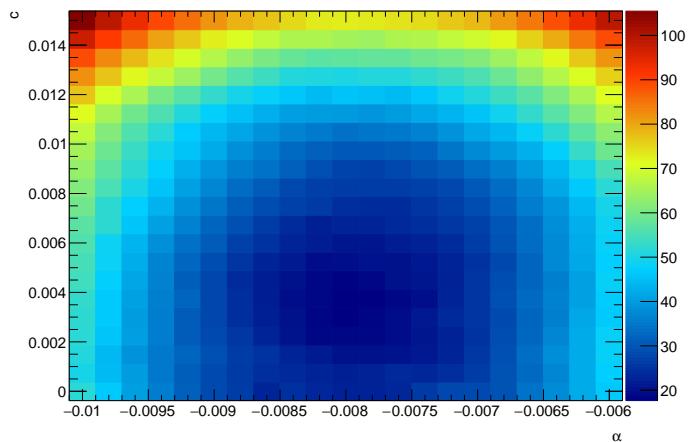
MCEvents : 140184

DataEvents : 23561

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.0079109 \pm 0.000353848$$

$$\sigma_{ij} = 0.00383088 \pm 0.00180518$$



83 ChiMatrix_13_13

Results

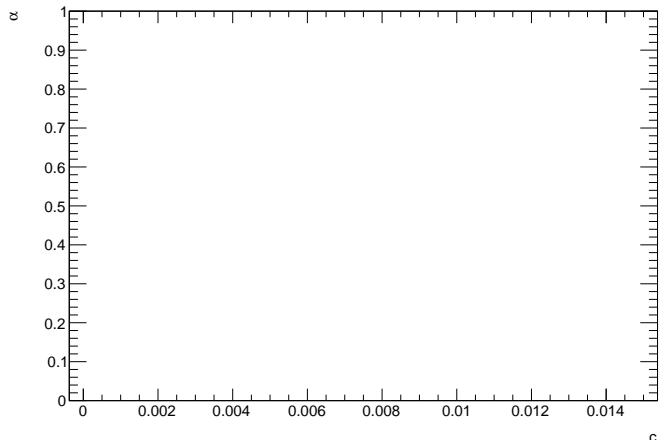
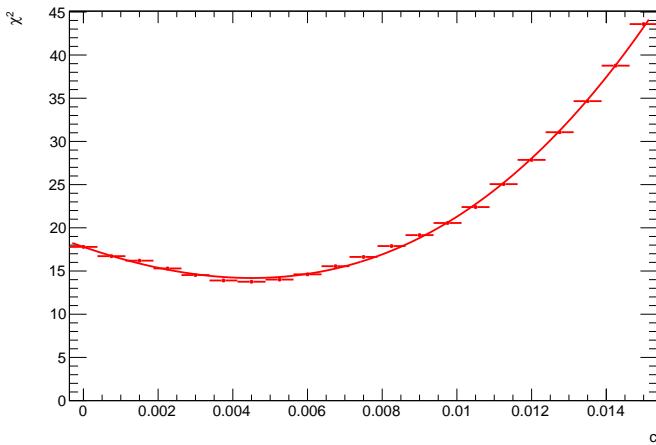
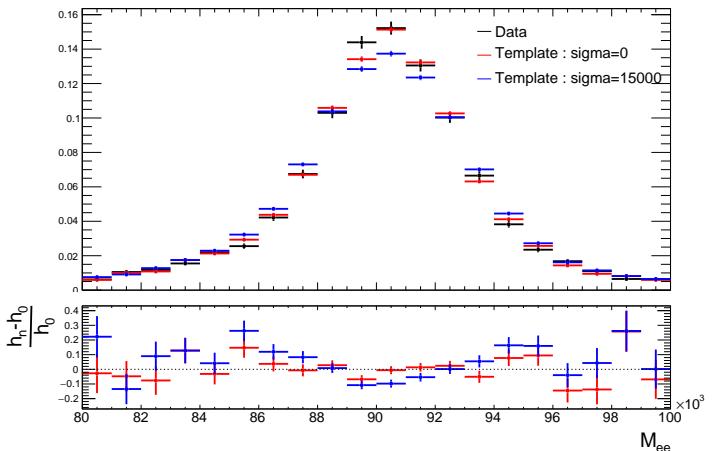
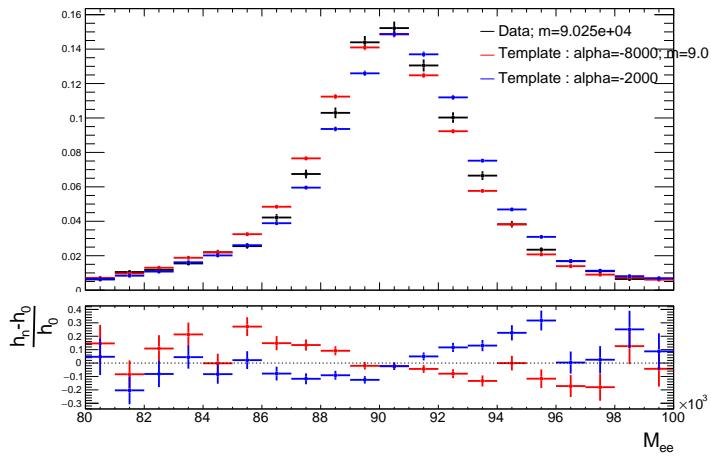
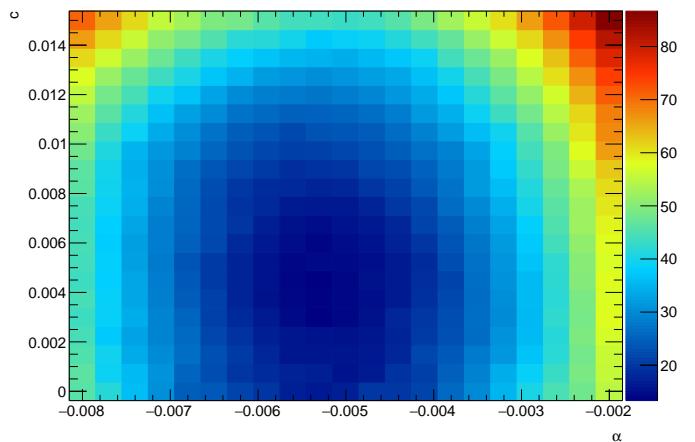
MCEvents : 72972

DataEvents : 12133

ThresholdMass : 54

$$\alpha_{ij} = -0.00525113 \pm 0.000492383$$

$$\sigma_{ij} = 0.00450271 \pm 0.00215402$$



84 ChiMatrix_14_7

Results

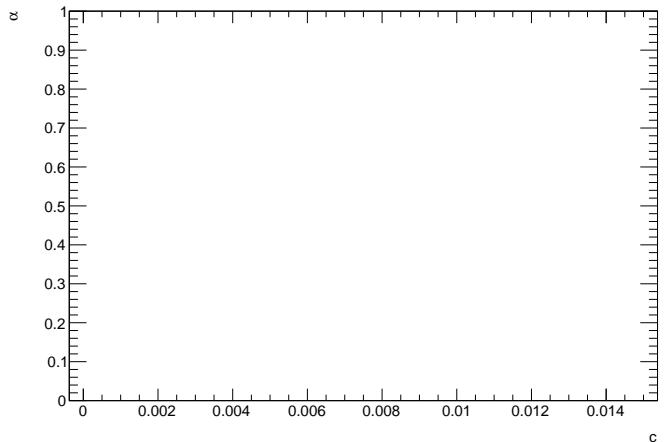
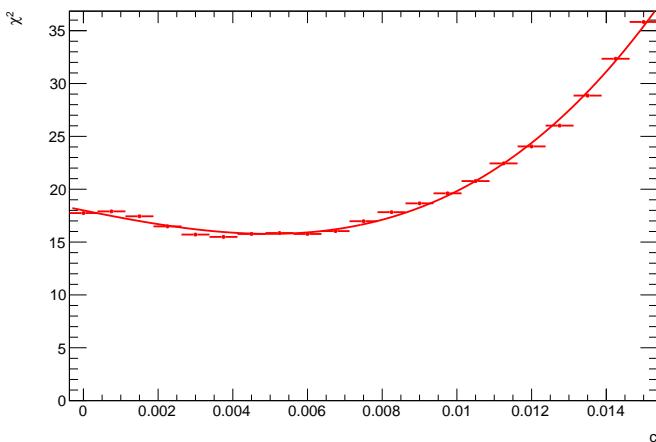
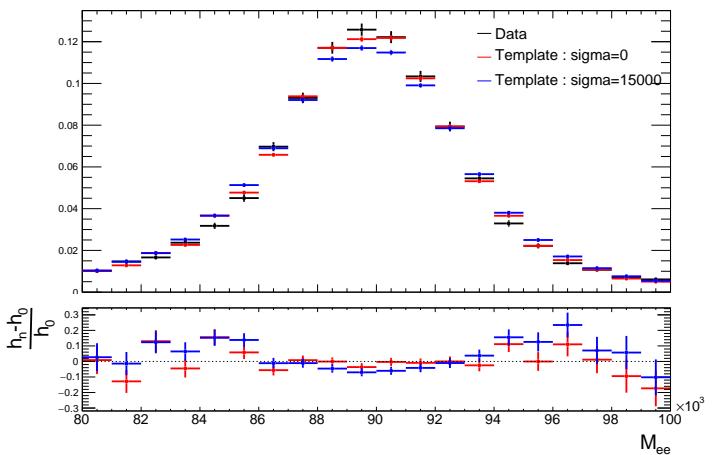
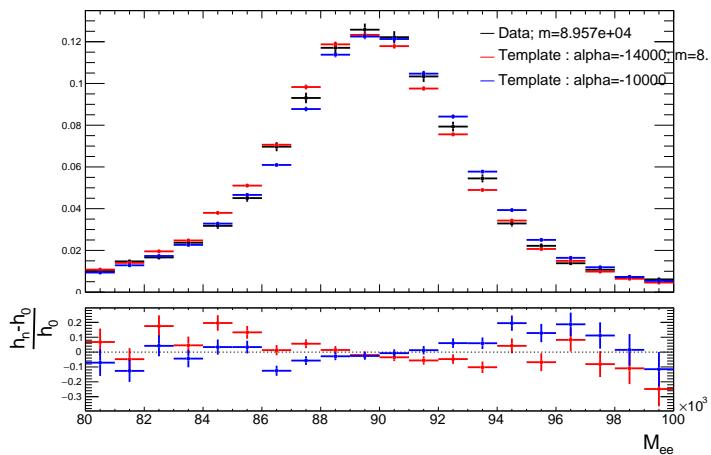
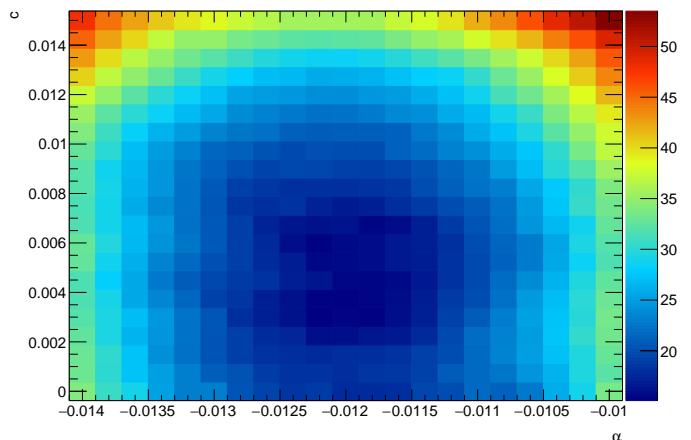
MCEvents : 103140

DataEvents : 16173

ThresholdMass : 67.7791

$$\alpha_{ij} = -0.0120062 \pm 0.000500022$$

$$\sigma_{ij} = 0.00497629 \pm 0.00263776$$



85 ChiMatrix_14_8

Results

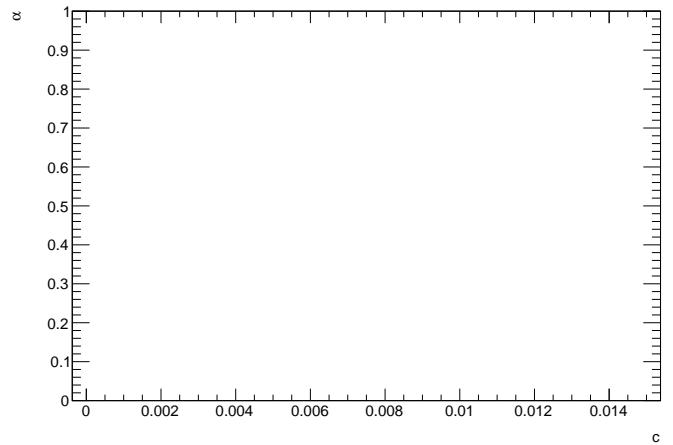
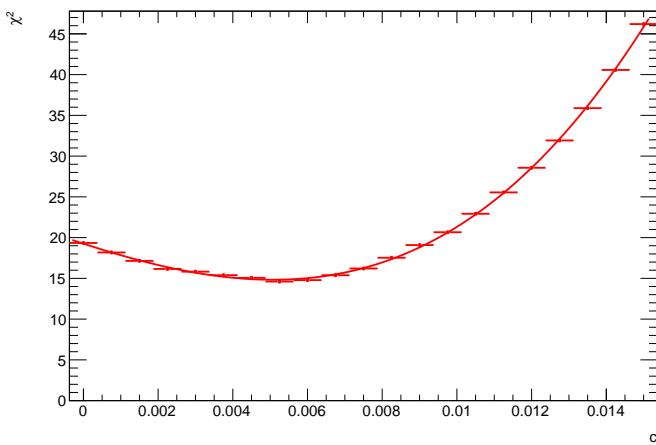
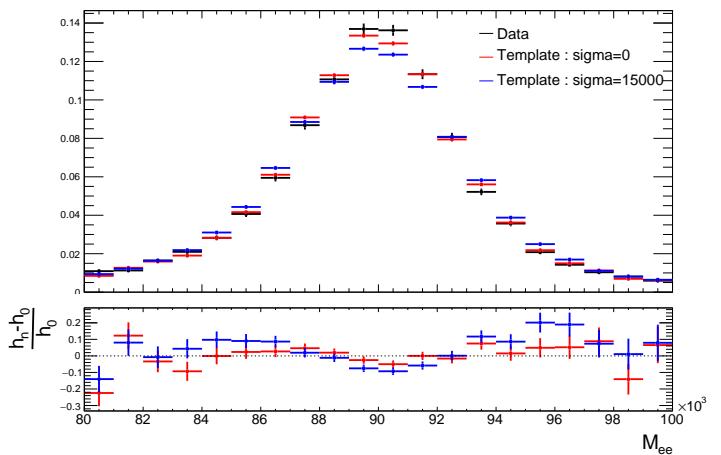
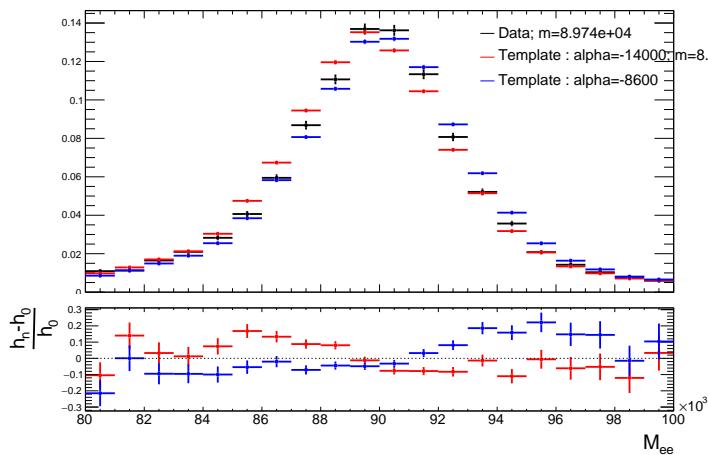
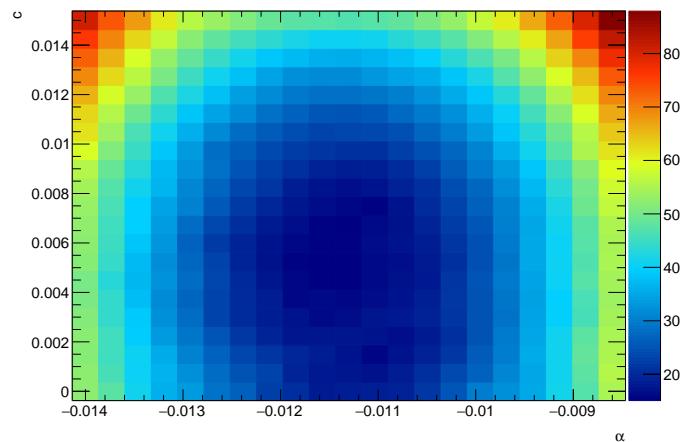
MCEvents : 118350

DataEvents : 18934

ThresholdMass : 64.0151

$$\alpha_{ij} = -0.0113581 \pm 0.000435239$$

$$\sigma_{ij} = 0.00507488 \pm 0.00204318$$



86 ChiMatrix_14_9

Results

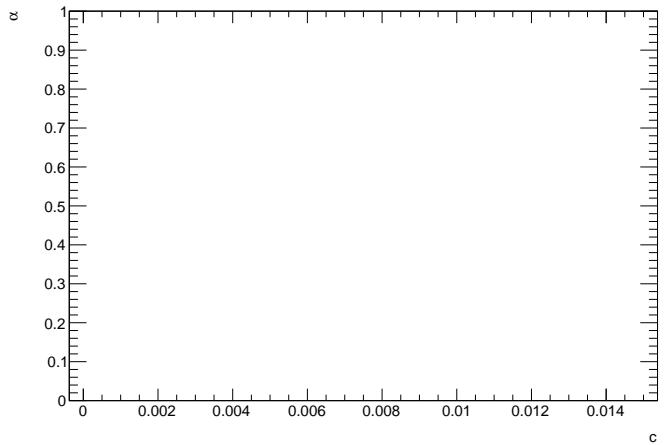
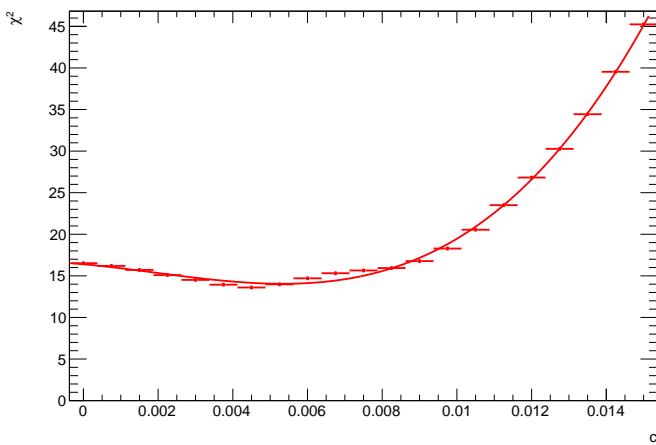
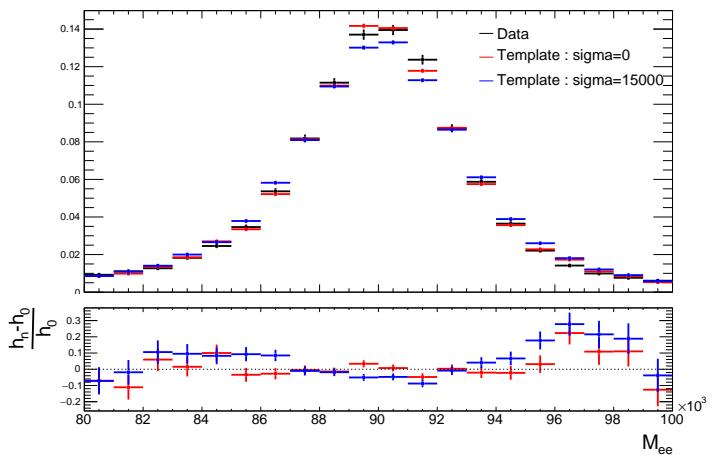
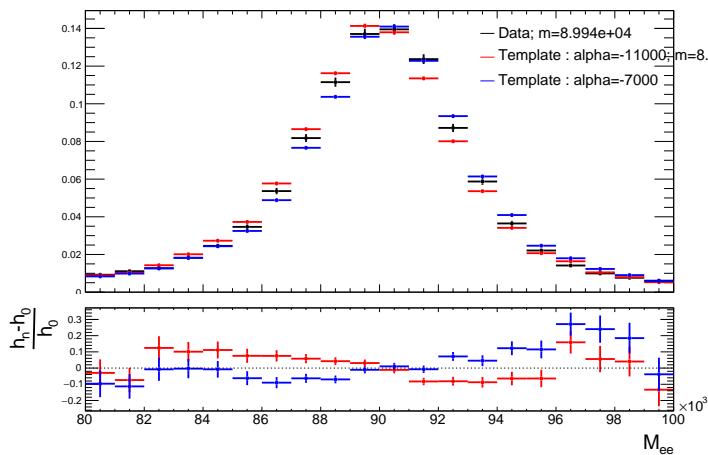
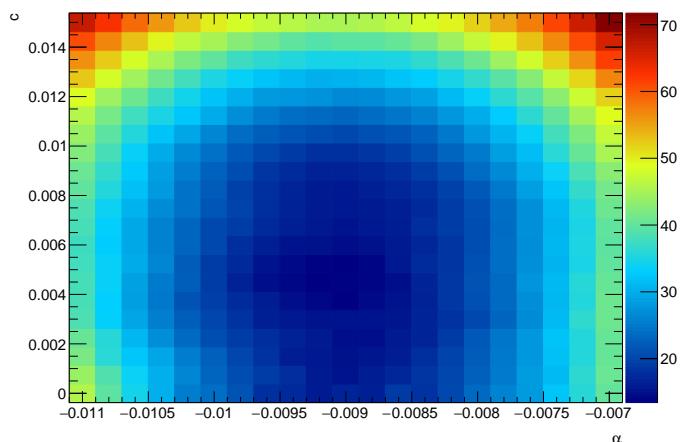
MCEvents : 127416

DataEvents : 20765

ThresholdMass : 60.8918

$$\alpha_{ij} = -0.00904495 \pm 0.000398593$$

$$\sigma_{ij} = 0.0053419 \pm 0.00219107$$



87 ChiMatrix_14_10

Results

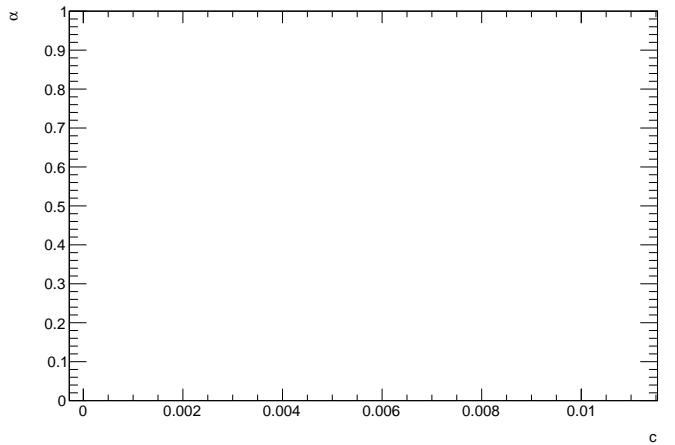
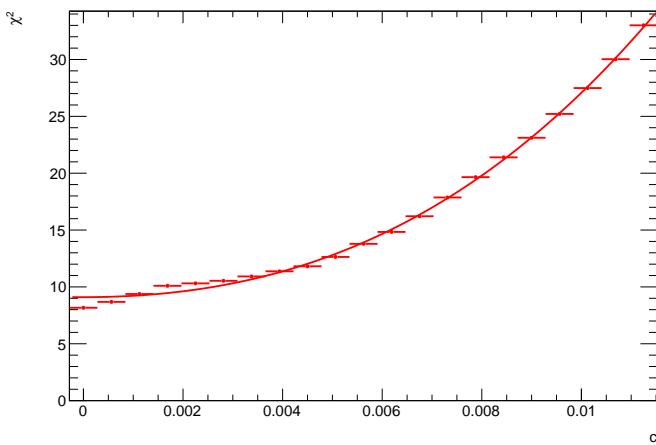
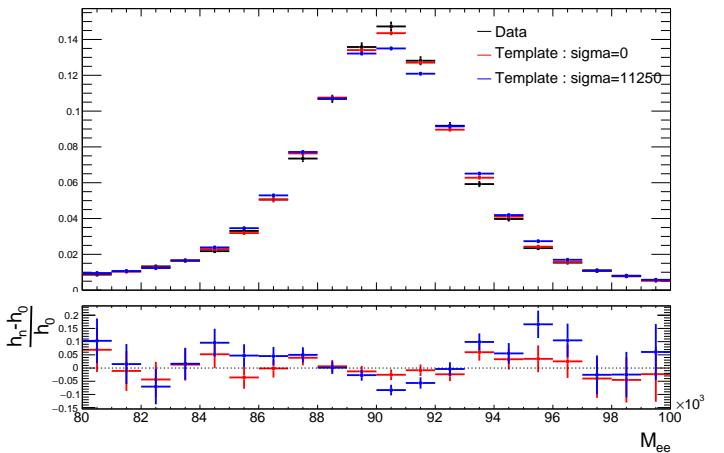
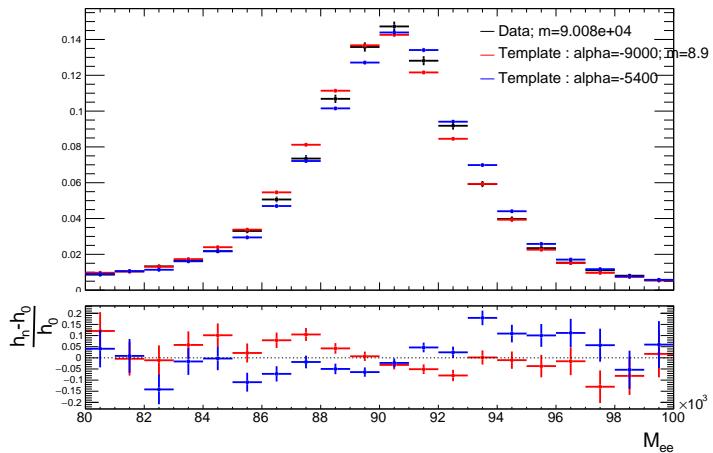
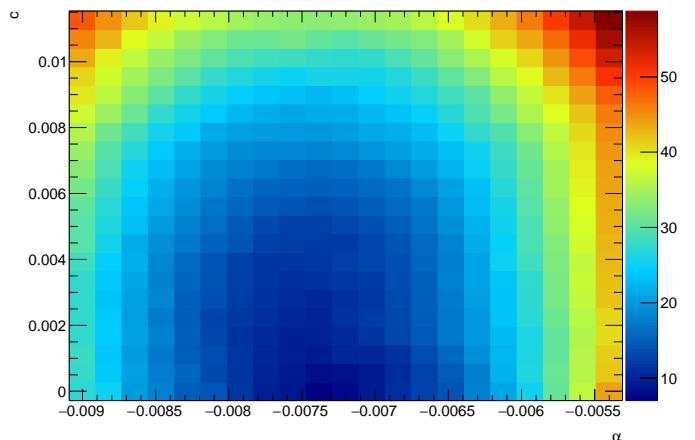
MCEvents : 133320

DataEvents : 22559

ThresholdMass : 58.3779

$$\alpha_{ij} = -0.00740608 \pm 0.000345116$$

$$\sigma_{ij} = 2.70384e - 15 \pm 0.0027322$$



88 ChiMatrix_14_11

Results

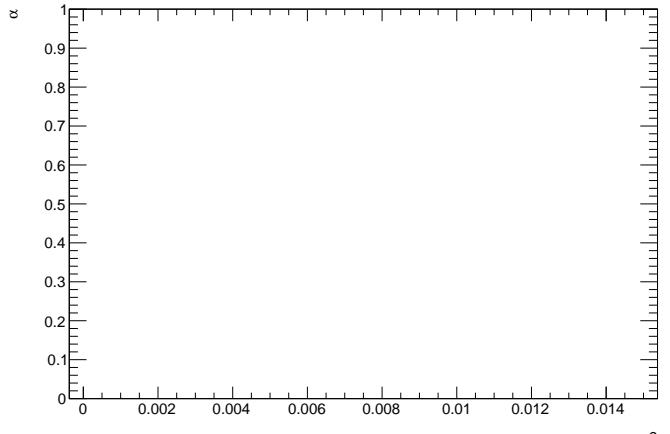
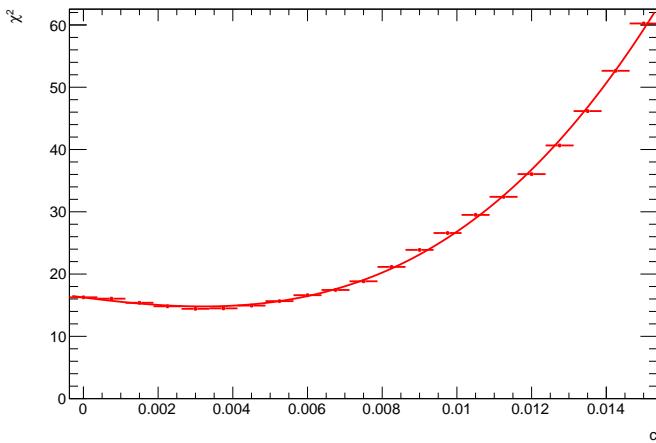
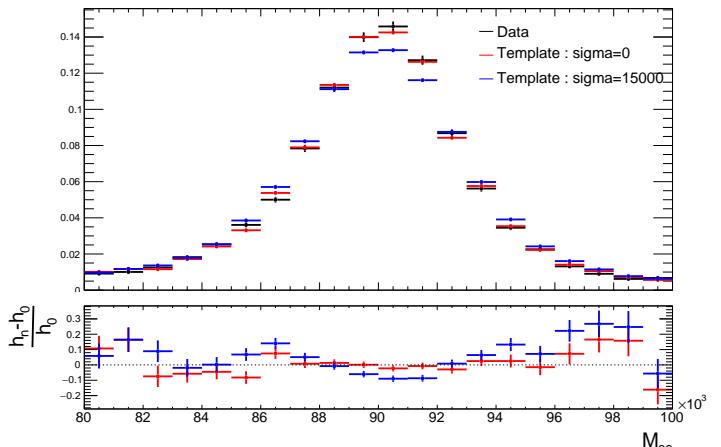
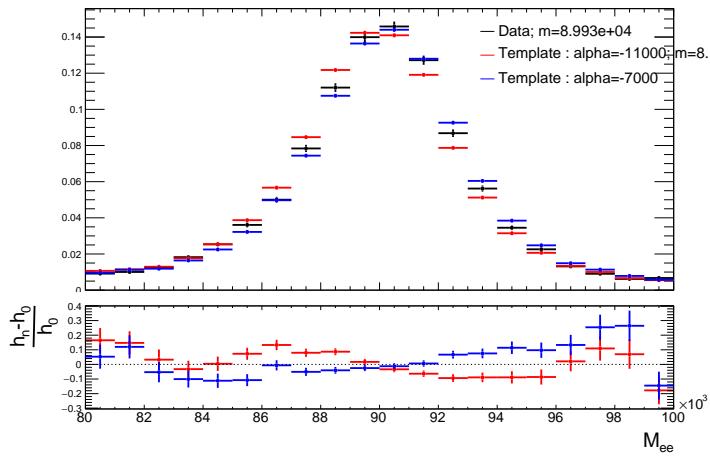
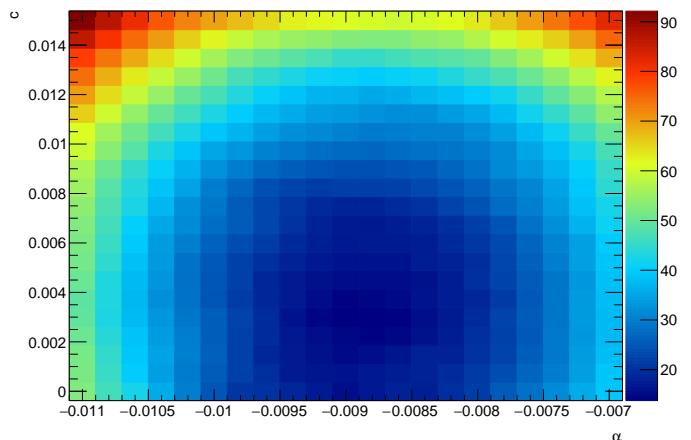
MCEvents : 135366

DataEvents : 22216

ThresholdMass : 56.4483

$$\alpha_{ij} = -0.00880303 \pm 0.000368891$$

$$\sigma_{ij} = 0.00320448 \pm 0.0022062$$



89 ChiMatrix_14_12

Results

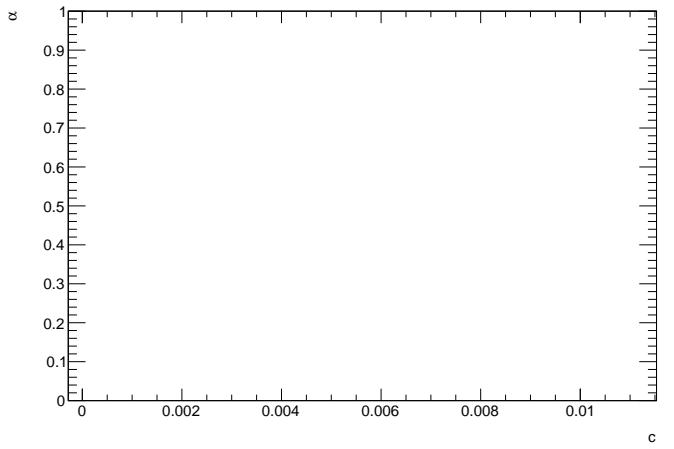
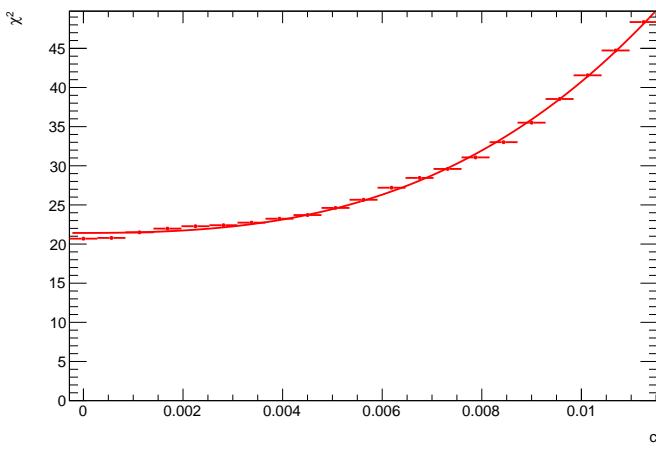
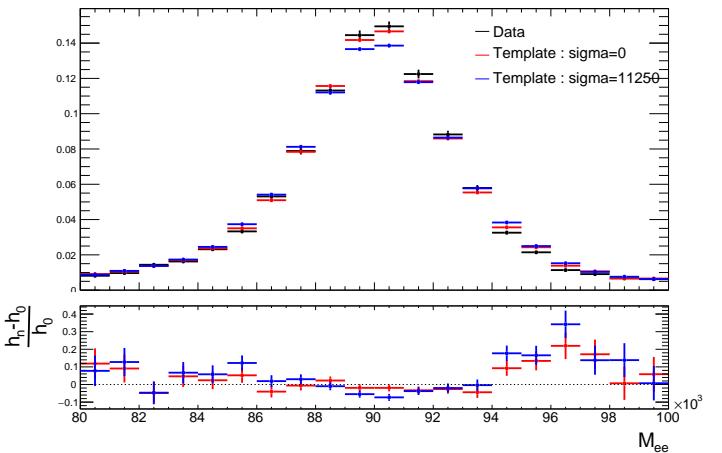
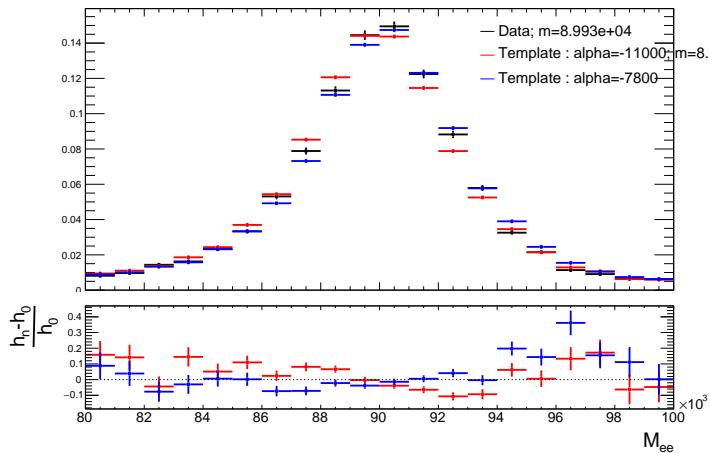
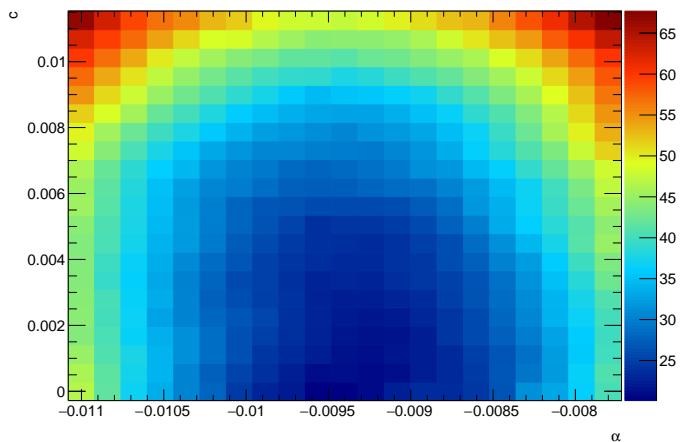
MCEvents : 139164

DataEvents : 22772

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.00931035 \pm 0.000335611$$

$$\sigma_{ij} = 3.20146e - 14 \pm 0.00322909$$



90 ChiMatrix_14_13

Results

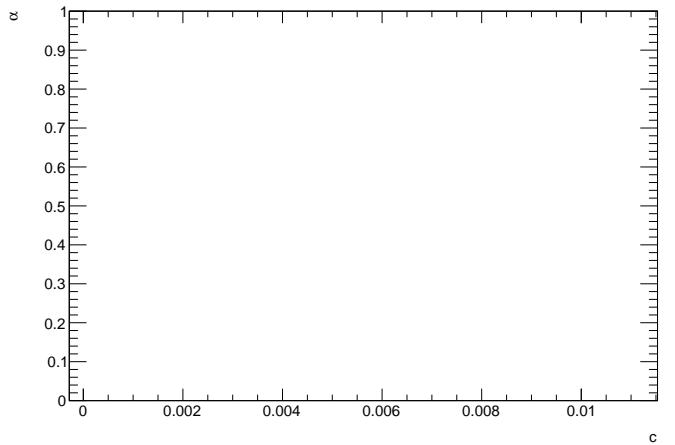
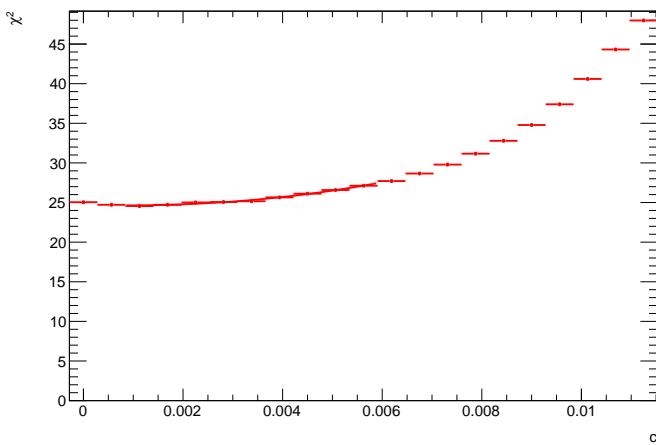
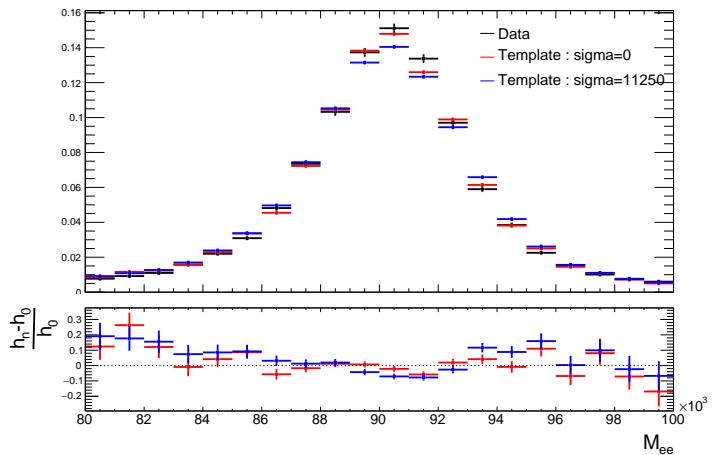
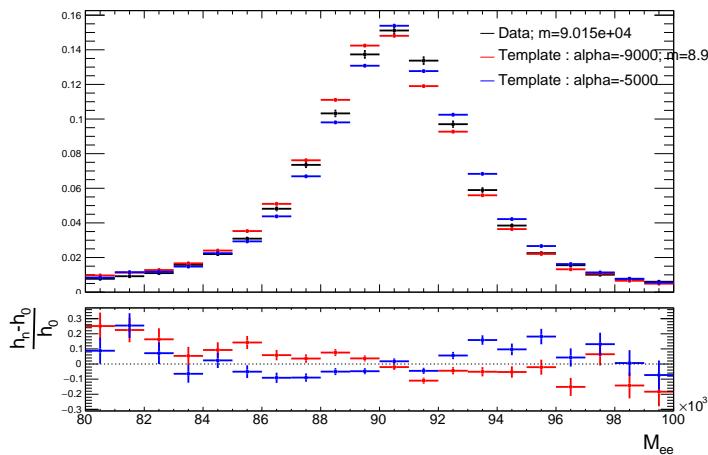
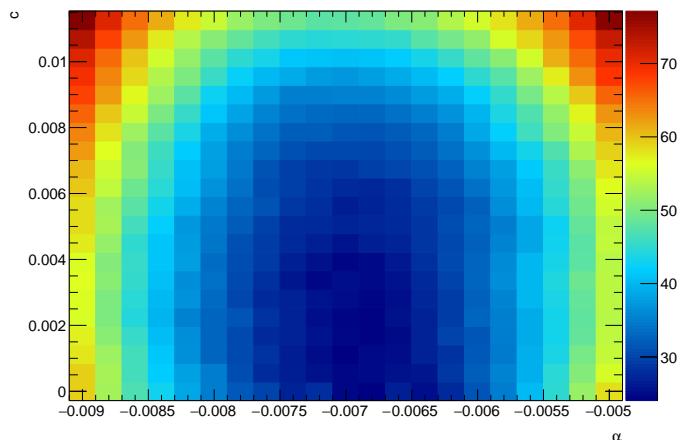
MCEvents : 144624

DataEvents : 24599

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.00695222 \pm 0.000353276$$

$$\sigma_{ij} = 0.00084375 \pm 0.00306587$$



91 ChiMatrix_14_14

Results

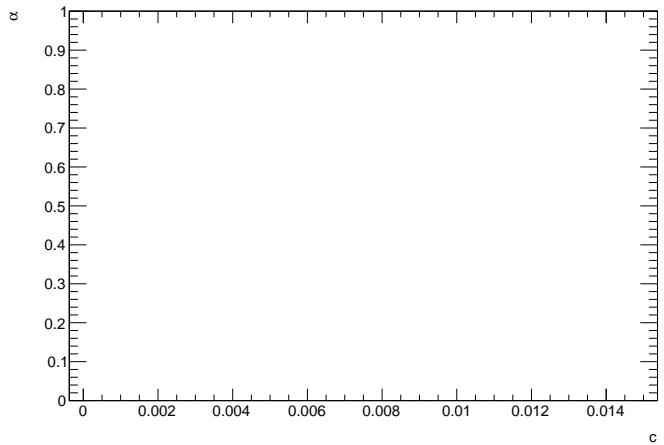
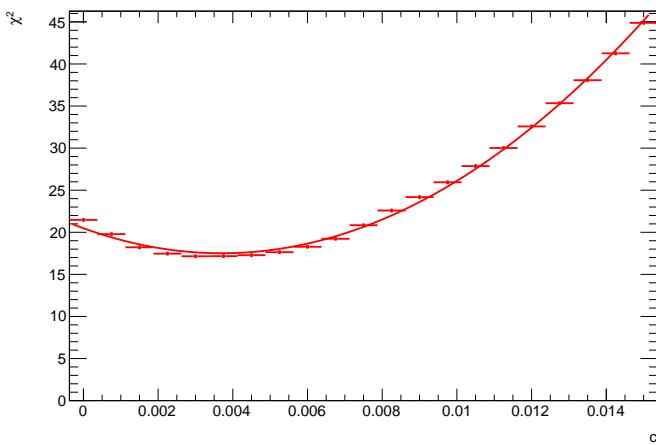
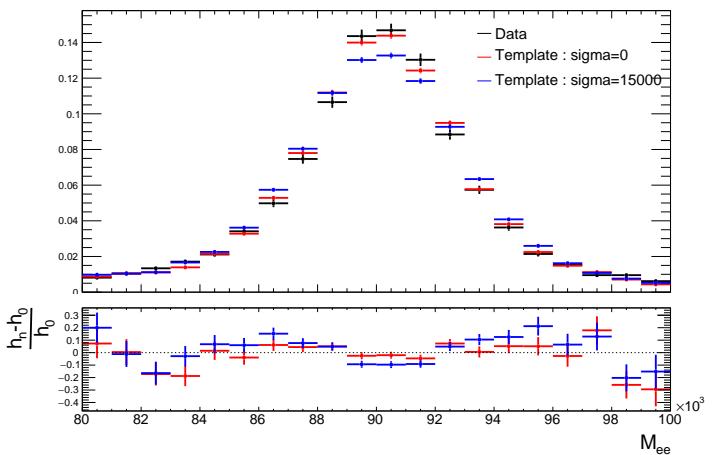
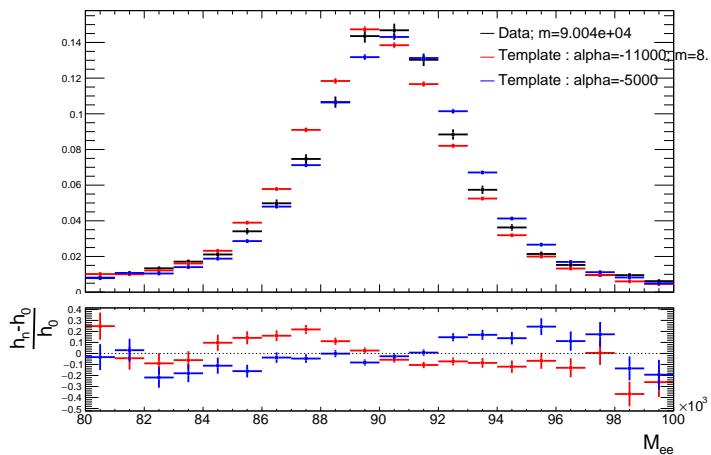
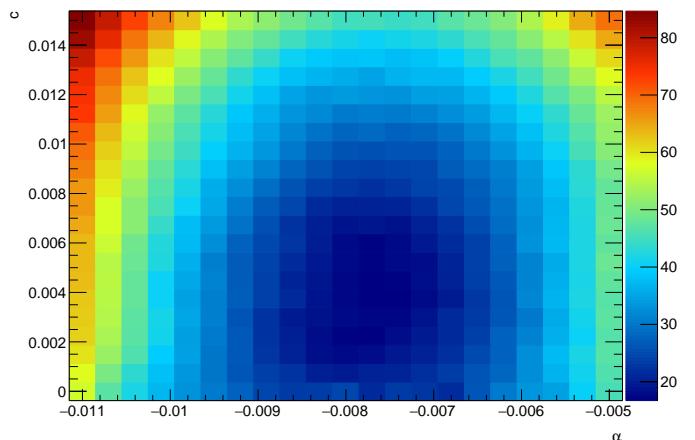
MCEvents : 72402

DataEvents : 12215

ThresholdMass : 54

$$\alpha_{ij} = -0.00770614 \pm 0.000487949$$

$$\sigma_{ij} = 0.00370132 \pm 0.00214749$$



92 ChiMatrix_15_8

Results

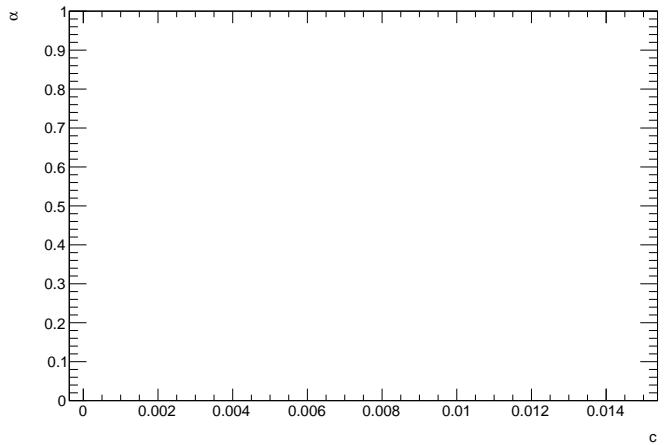
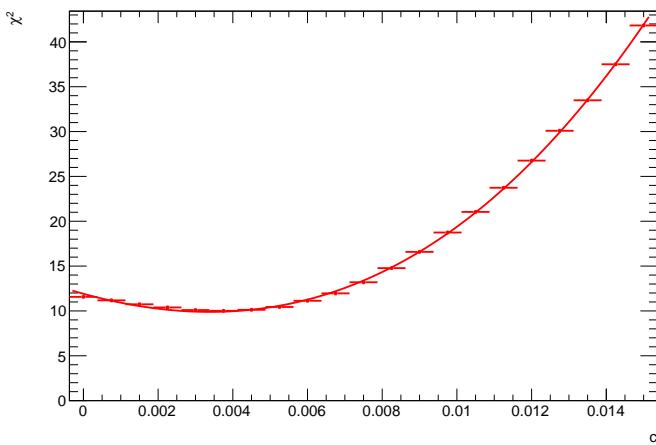
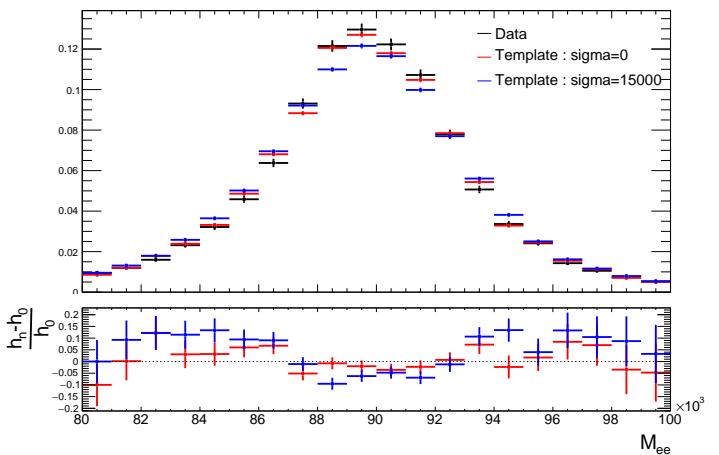
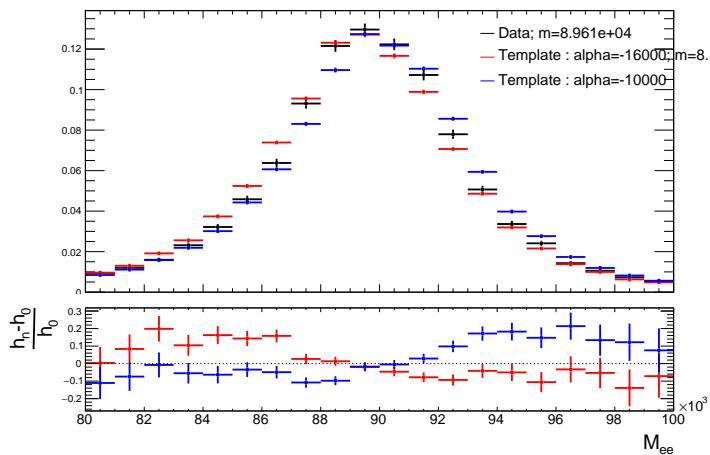
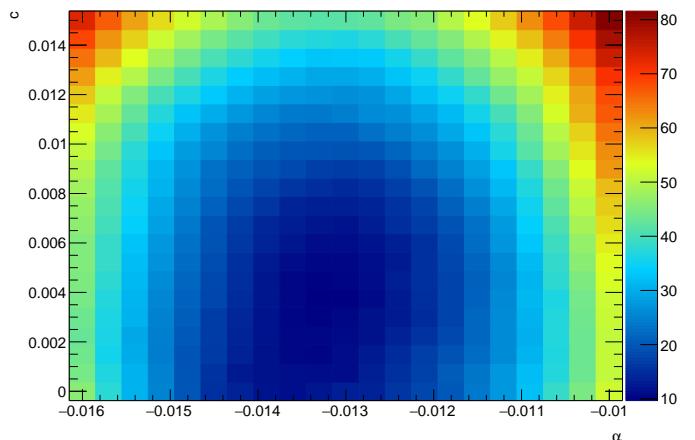
MCEvents : 106188

DataEvents : 16319

ThresholdMass : 67.7791

$$\alpha_{ij} = -0.0131642 \pm 0.00048787$$

$$\sigma_{ij} = 0.00338726 \pm 0.00224038$$



93 ChiMatrix_15_9

Results

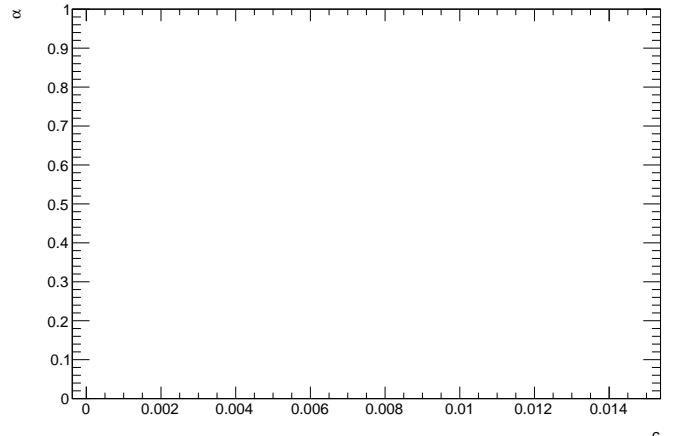
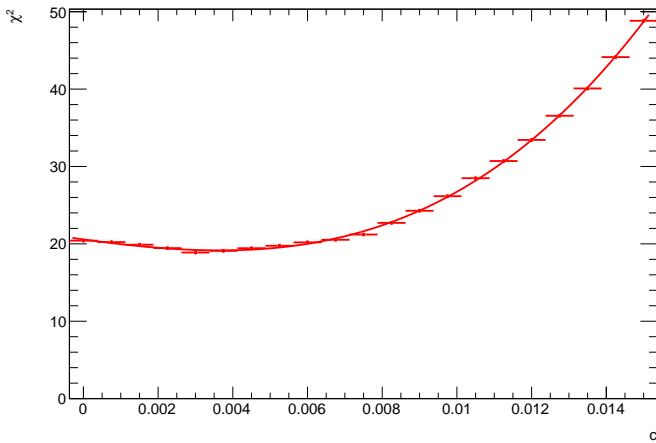
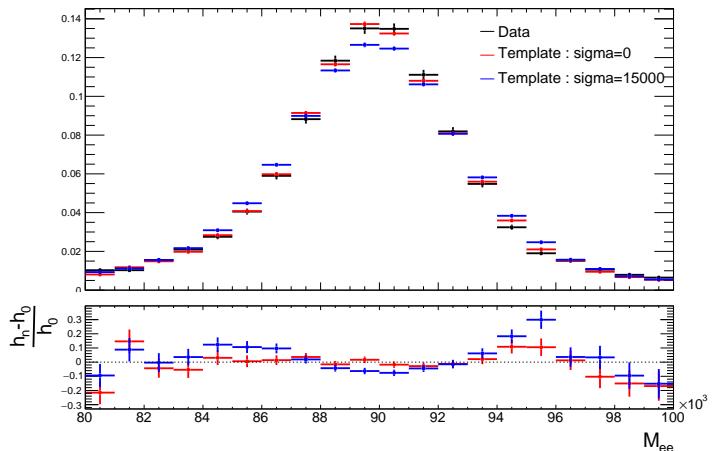
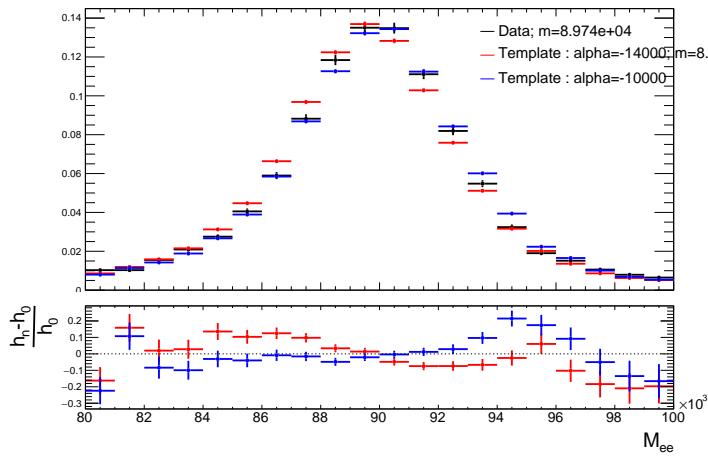
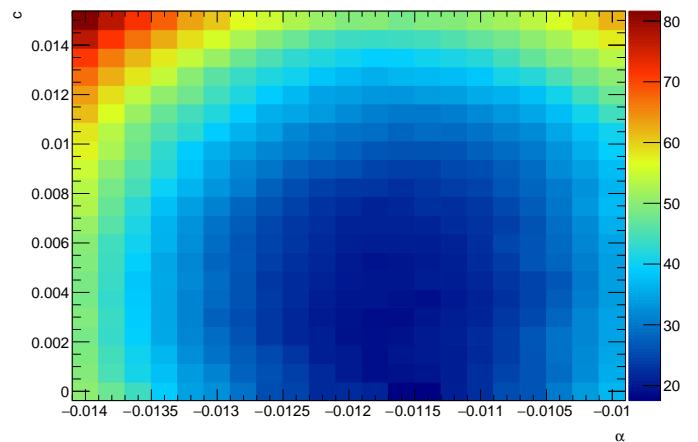
MCEvents : 117060

DataEvents : 19108

ThresholdMass : 64.0151

$$\alpha_{ij} = -0.0116784 \pm 0.000433836$$

$$\sigma_{ij} = 0.00366022 \pm 0.002524$$



94 ChiMatrix_15_10

Results

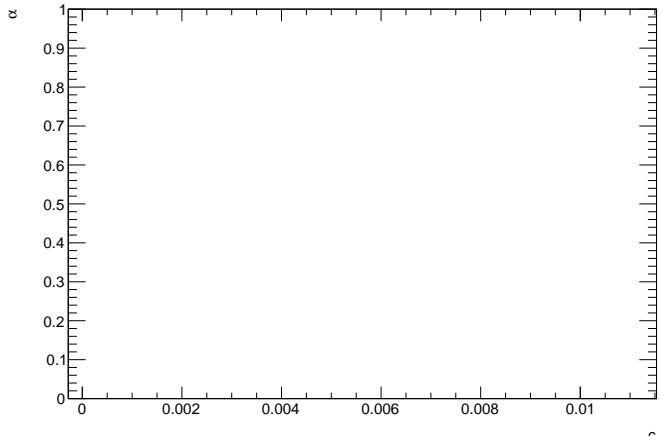
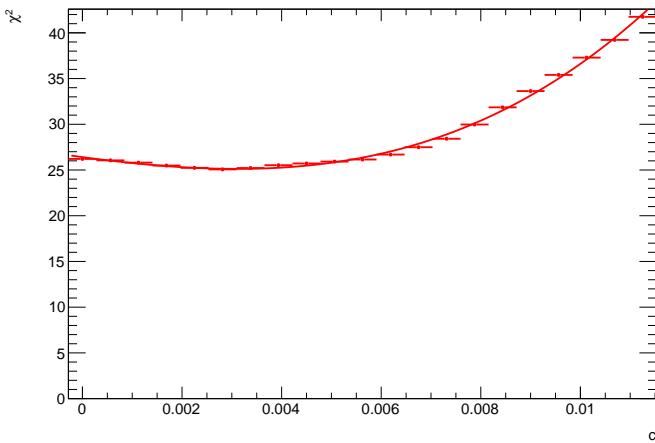
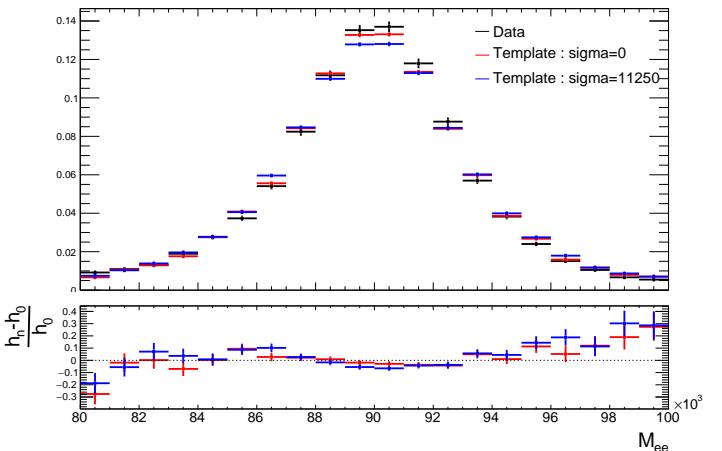
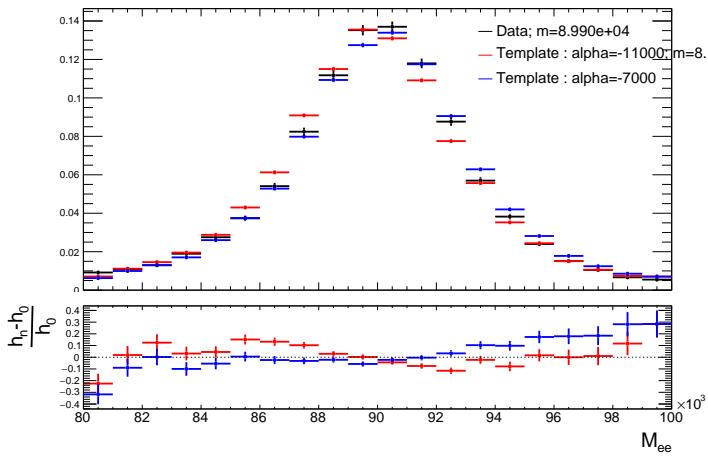
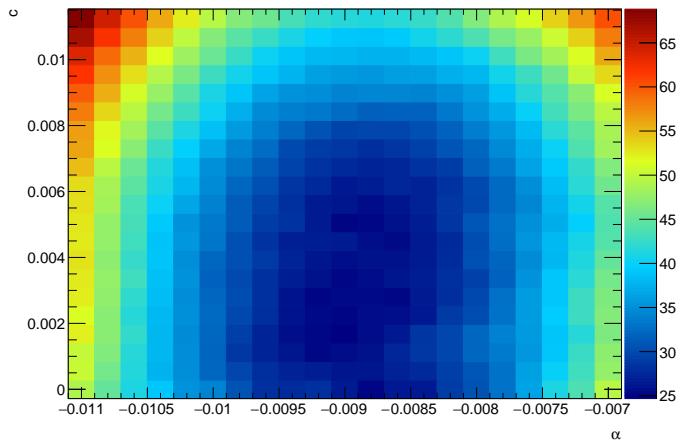
MCEvents : 124728

DataEvents : 20808

ThresholdMass : 60.8918

$$\alpha_{ij} = -0.00889207 \pm 0.000408406$$

$$\sigma_{ij} = 0.00310082 \pm 0.00228255$$



95 ChiMatrix_15_11

Results

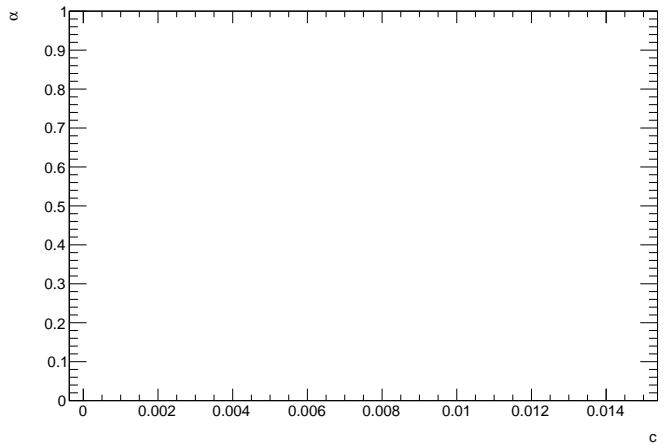
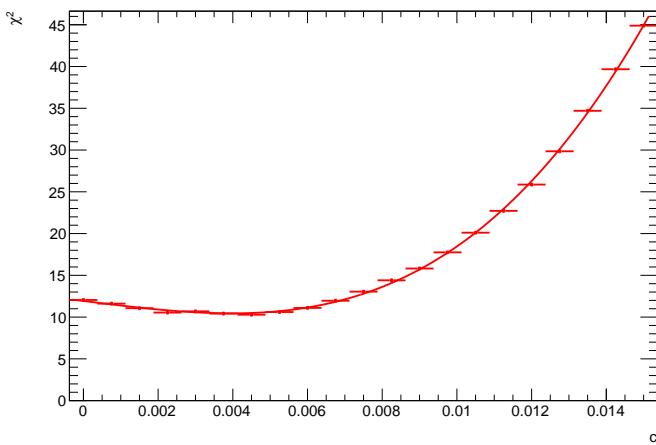
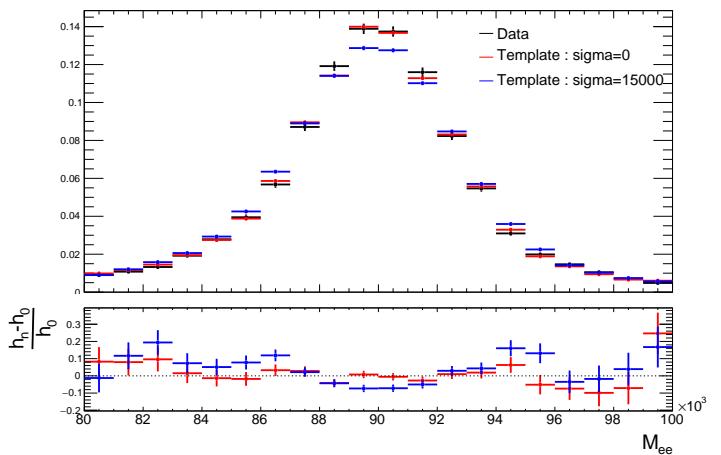
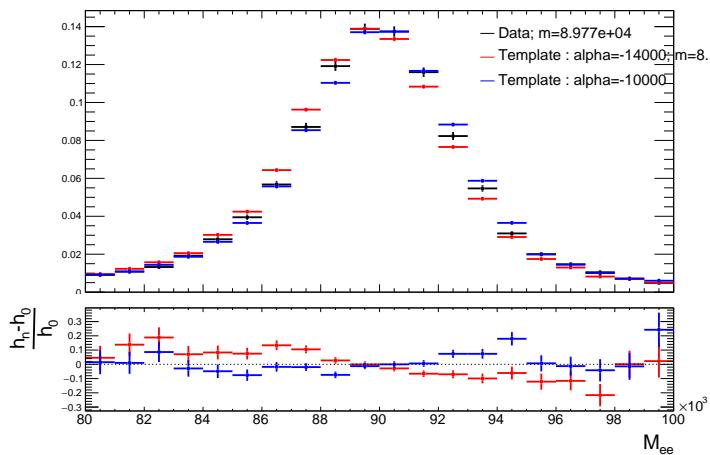
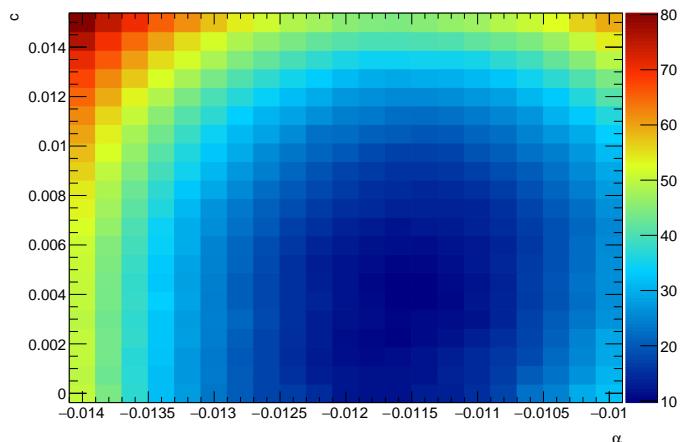
MCEvents : 131208

DataEvents : 21043

ThresholdMass : 58.3779

$$\alpha_{ij} = -0.0115594 \pm 0.000388941$$

$$\sigma_{ij} = 0.0039713 \pm 0.00239572$$



96 ChiMatrix_15_12

Results

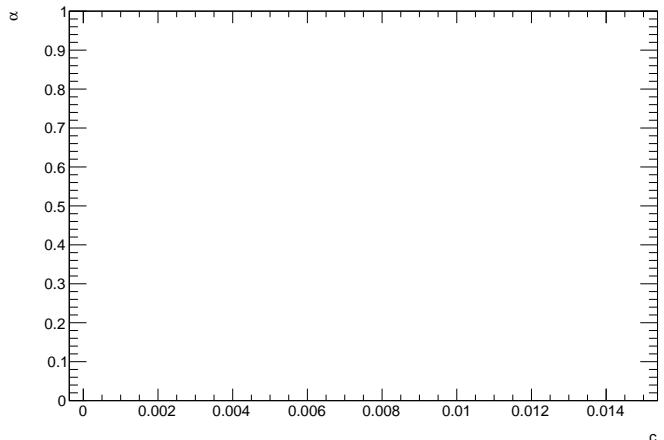
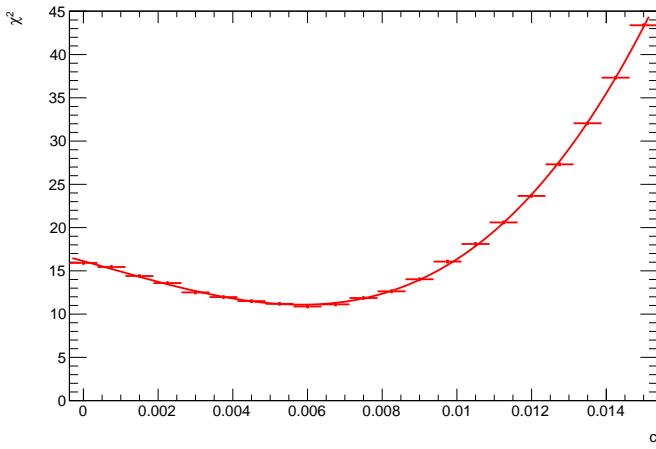
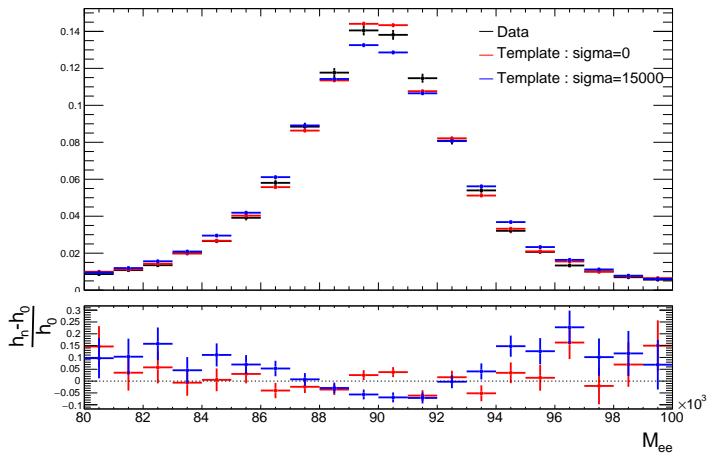
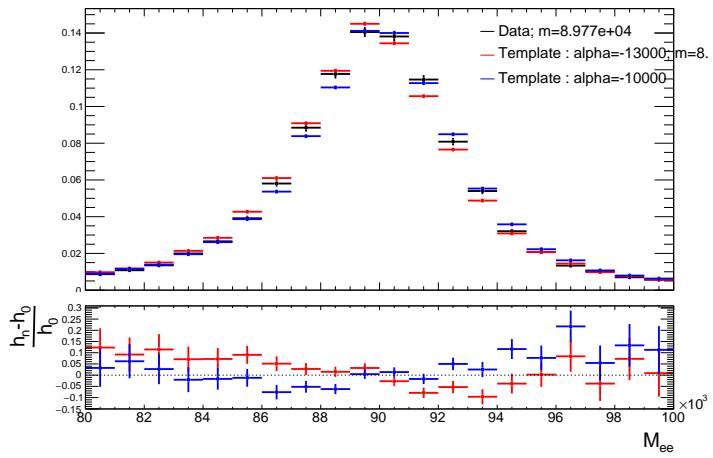
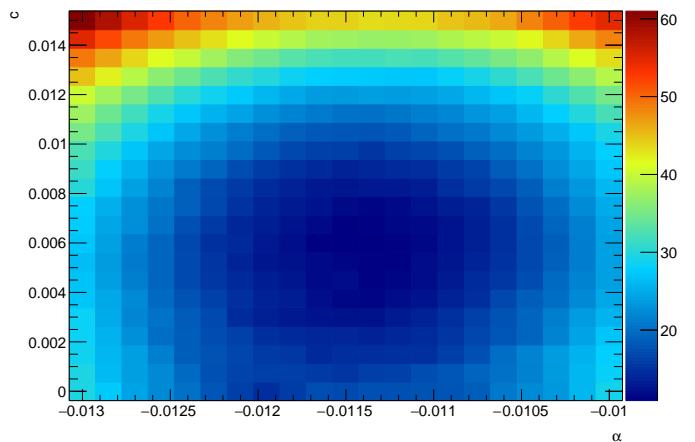
MCEvents : 134526

DataEvents : 21984

ThresholdMass : 56.4483

$$\alpha_{ij} = -0.0114162 \pm 0.000392927$$

$$\sigma_{ij} = 0.00584522 \pm 0.00192527$$



97 ChiMatrix_15_13

Results

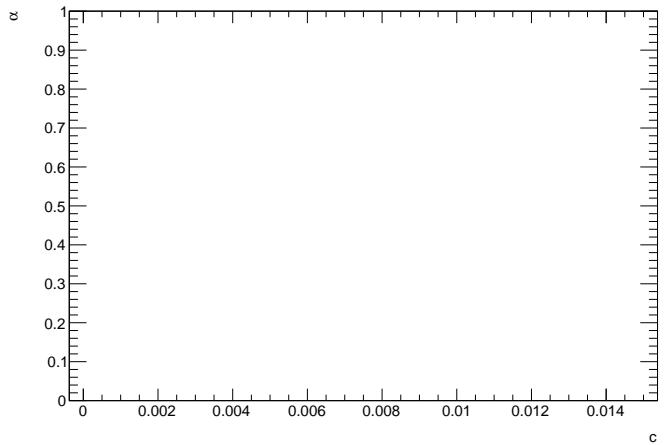
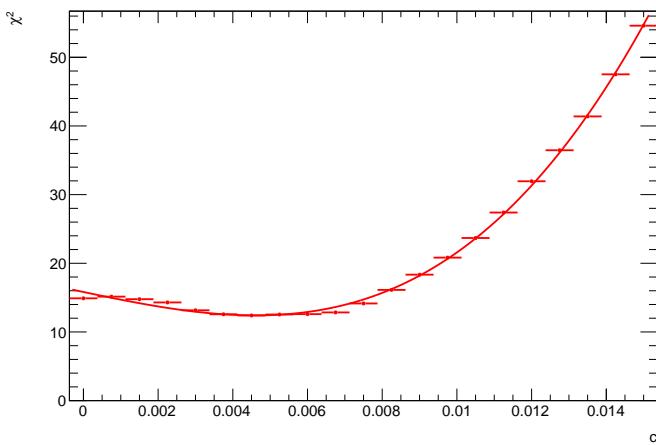
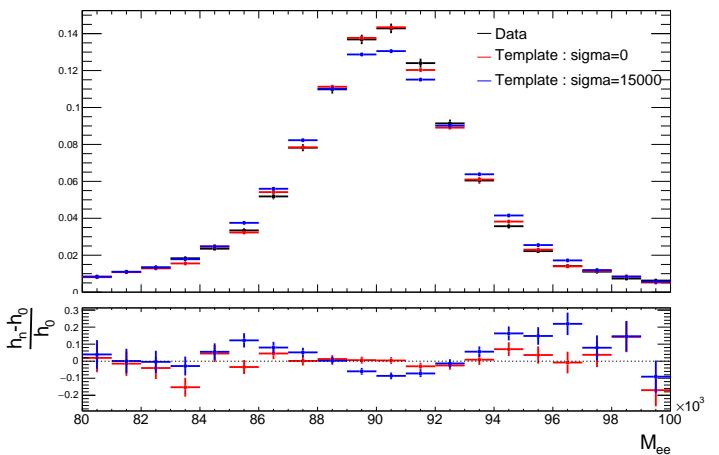
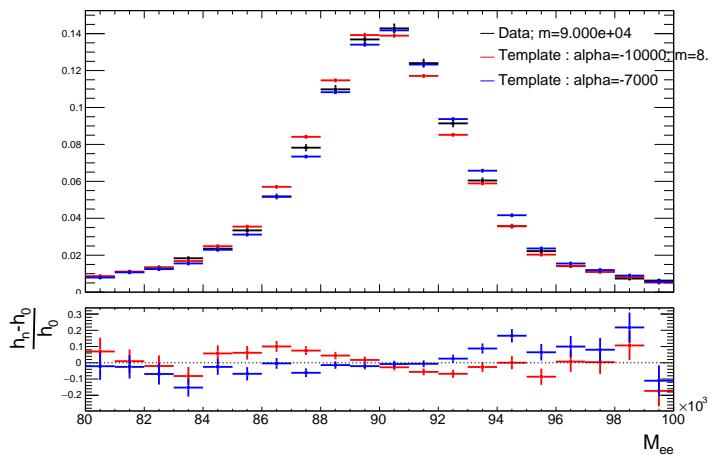
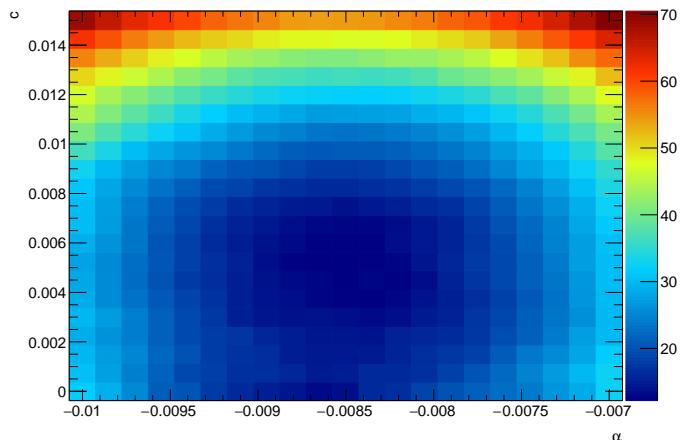
MCEvents : 142680

DataEvents : 24015

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.00852376 \pm 0.000364807$$

$$\sigma_{ij} = 0.00460493 \pm 0.00195497$$



98 ChiMatrix_15_14

Results

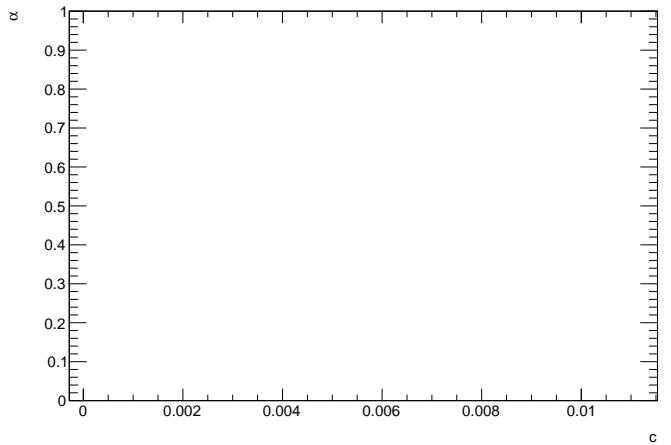
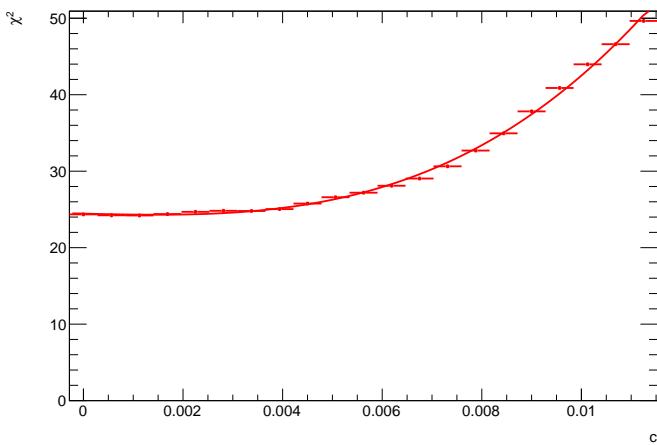
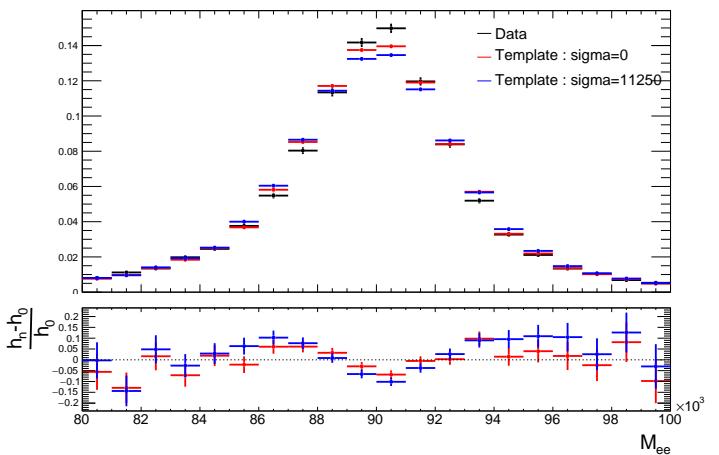
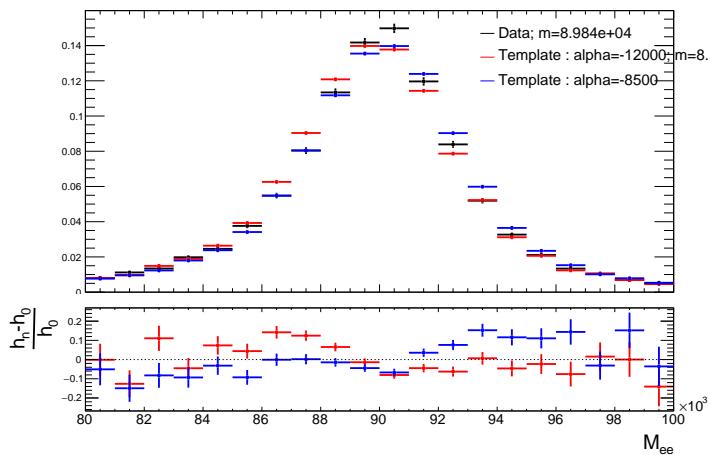
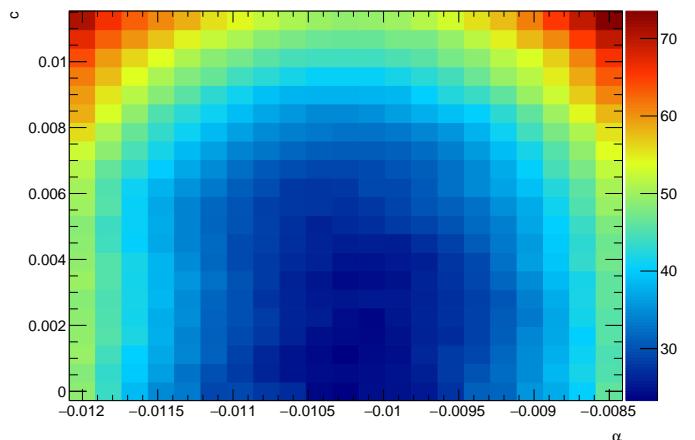
MCEvents : 143166

DataEvents : 24378

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.0101771 \pm 0.000364282$$

$$\sigma_{ij} = 0.00147501 \pm 0.002654$$



99 ChiMatrix_15_15

Results

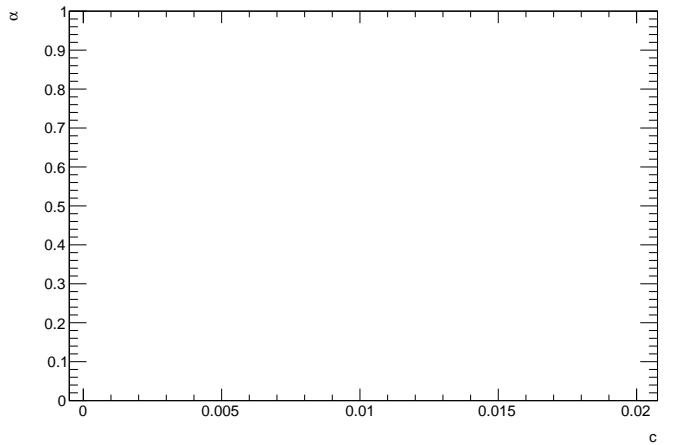
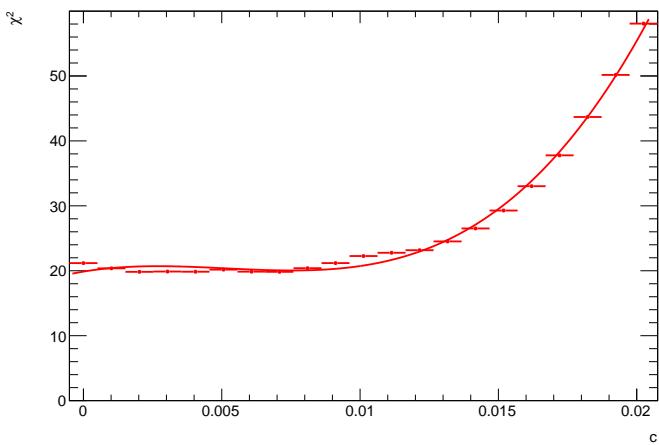
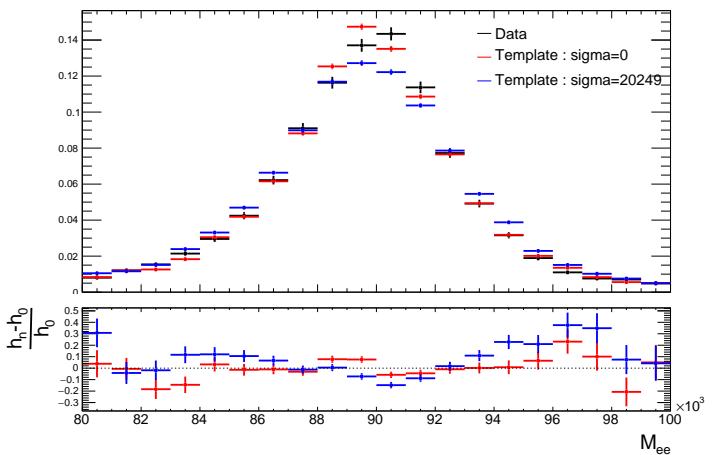
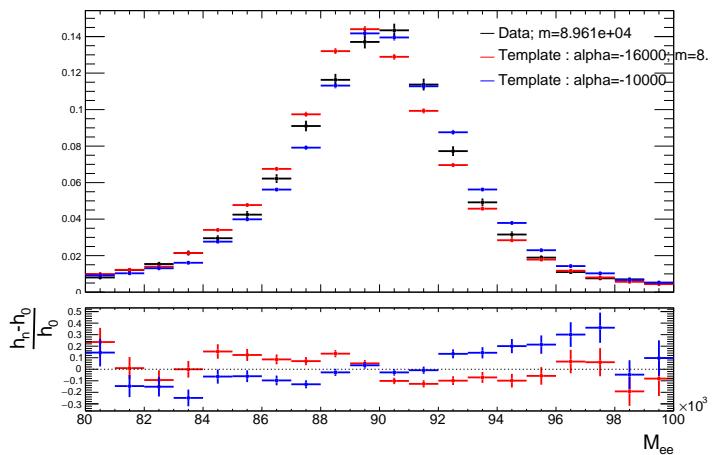
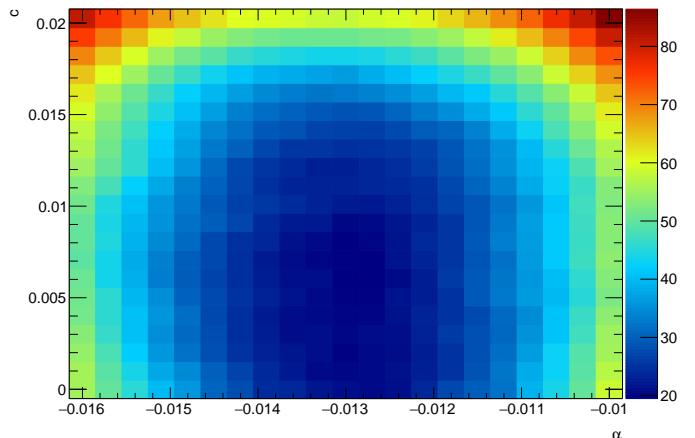
MCEvents : 72066

DataEvents : 12322

ThresholdMass : 54

$$\alpha_{ij} = -0.0130603 \pm 0.000533526$$

$$\sigma_{ij} = 0.00754133 \pm 0.00291496$$



100 ChiMatrix_16_9

Results

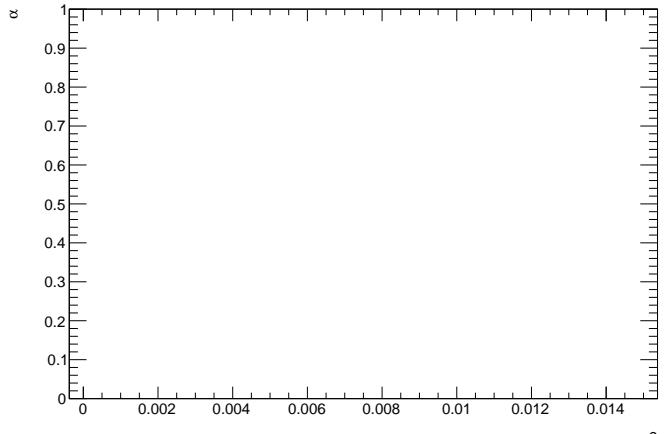
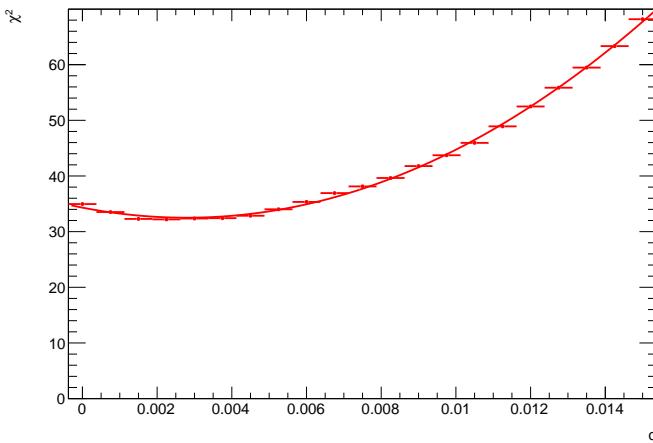
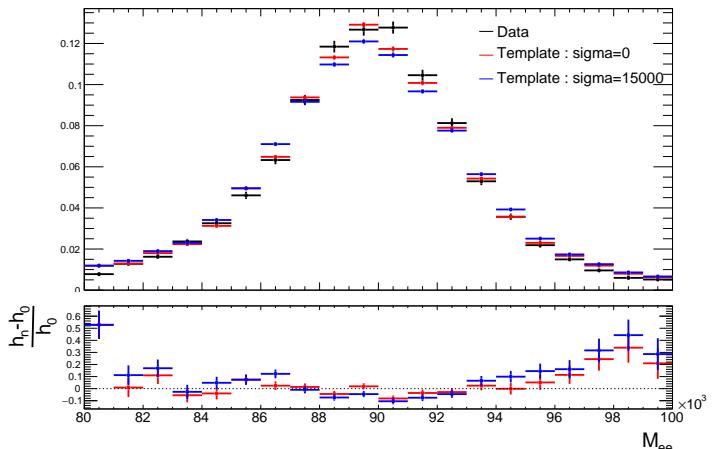
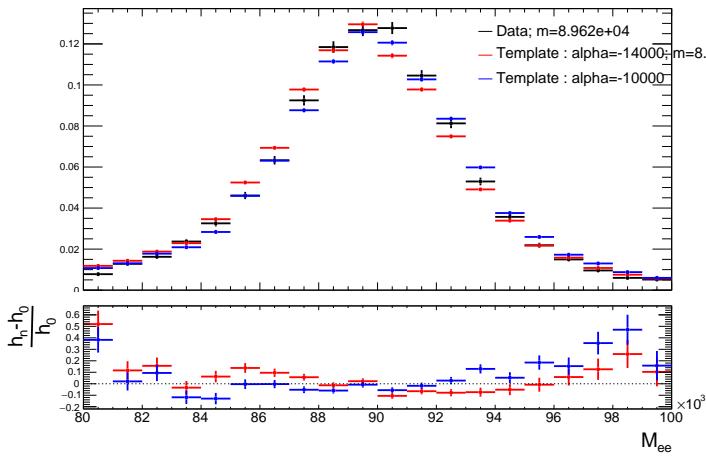
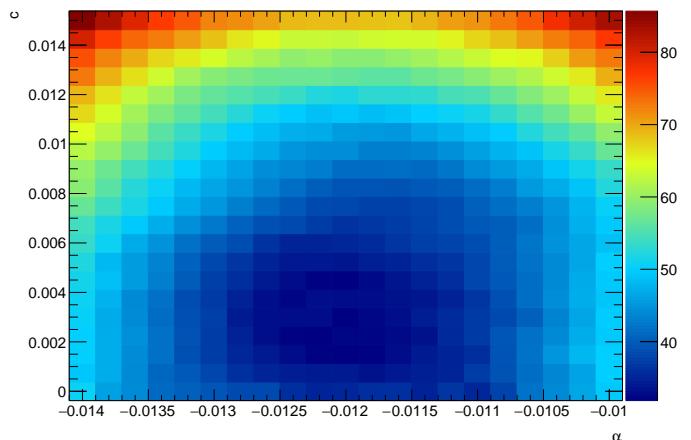
MCEvents : 104550

DataEvents : 16334

ThresholdMass : 67.7791

$$\alpha_{ij} = -0.0119912 \pm 0.000473341$$

$$\sigma_{ij} = 0.00278825 \pm 0.00206962$$



101 ChiMatrix_16_10

Results

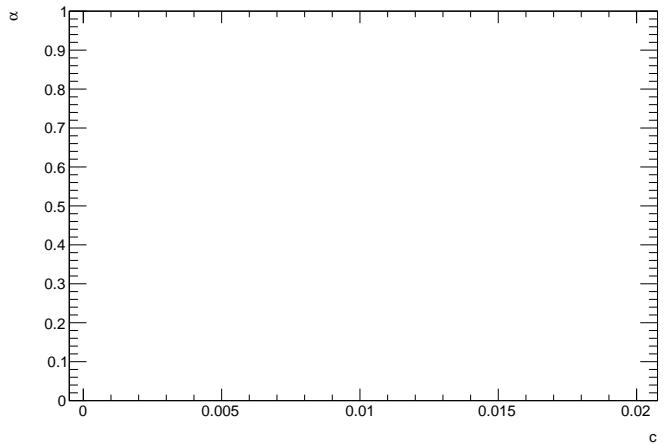
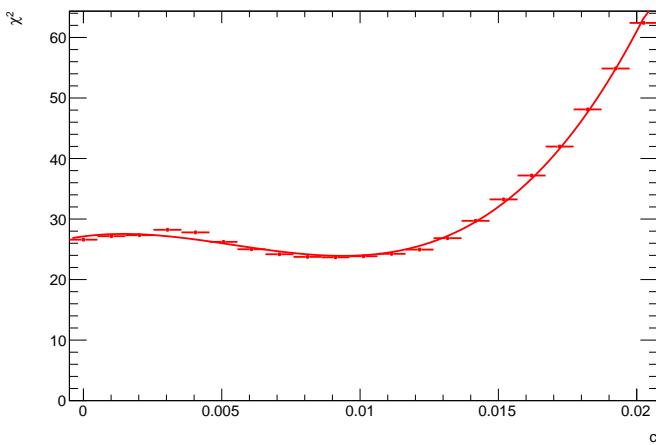
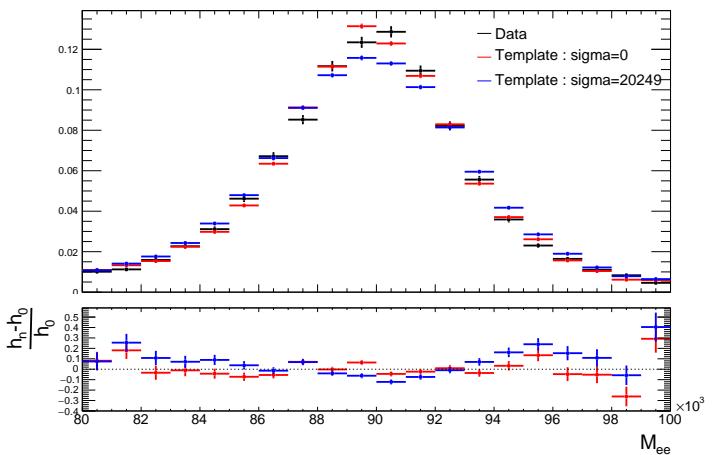
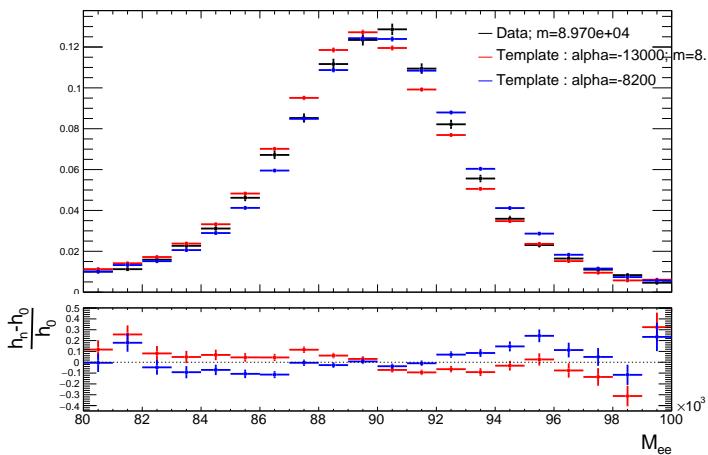
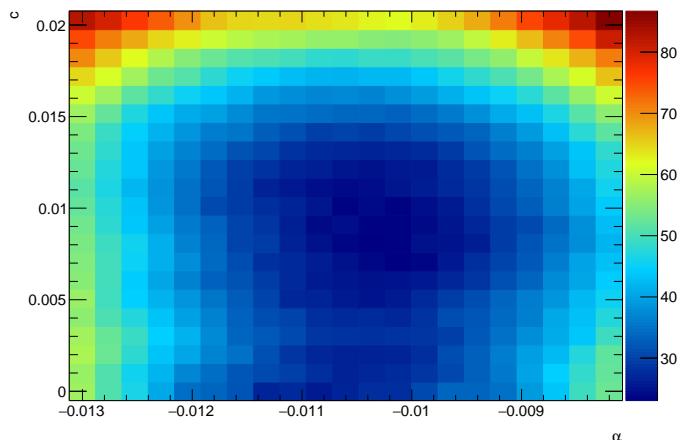
MCEvents : 113796

DataEvents : 18252

ThresholdMass : 64.0151

$$\alpha_{ij} = -0.0103578 \pm 0.000491679$$

$$\sigma_{ij} = 0.00936898 \pm 0.002206$$



102 ChiMatrix_16_11

Results

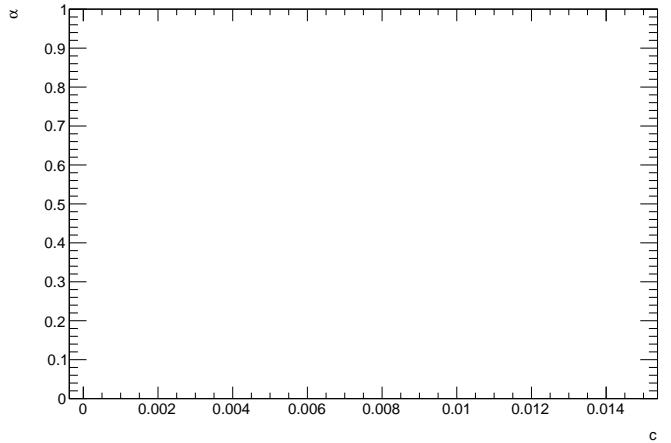
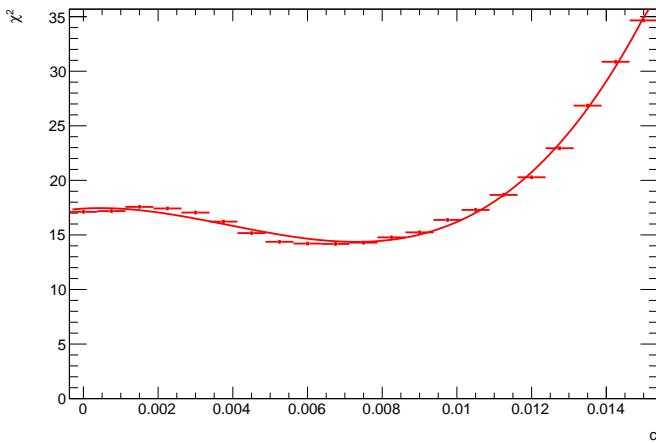
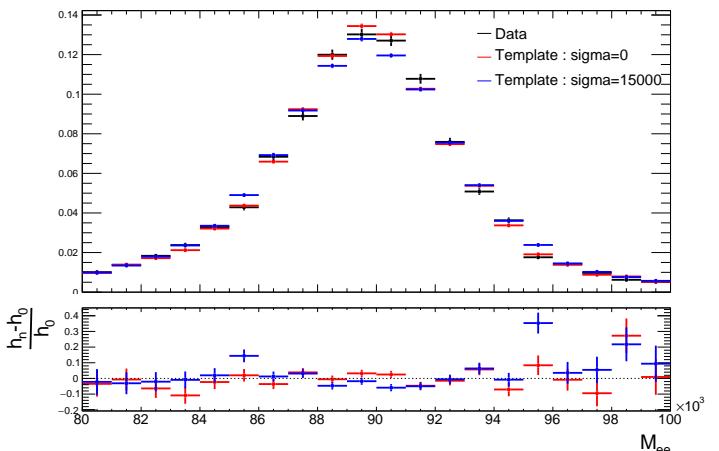
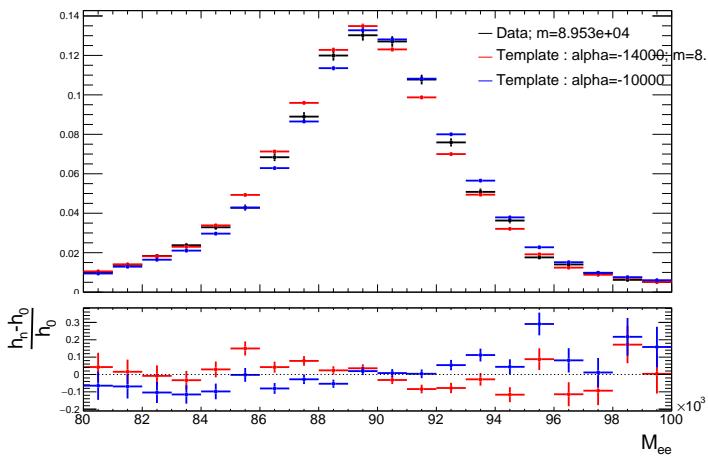
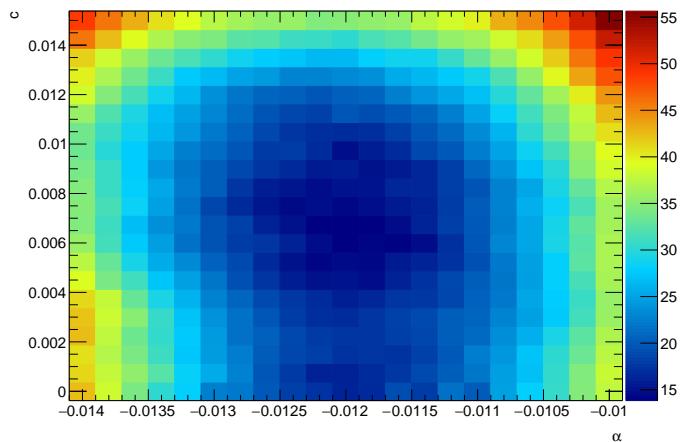
MCEvents : 119688

DataEvents : 19877

ThresholdMass : 60.8918

$$\alpha_{ij} = -0.0120367 \pm 0.000430478$$

$$\sigma_{ij} = 0.0073007 \pm 0.00204814$$



103 ChiMatrix_16_12

Results

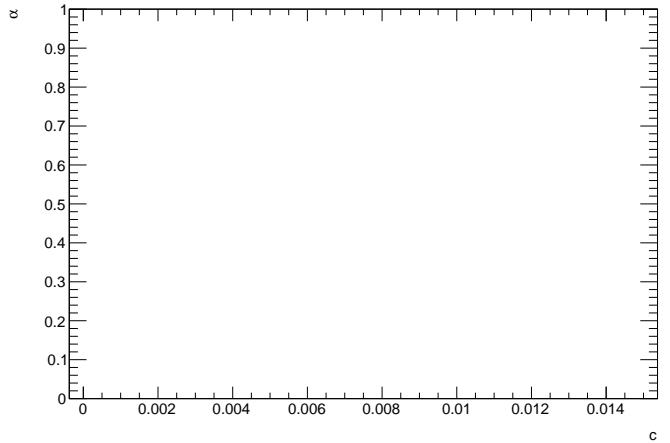
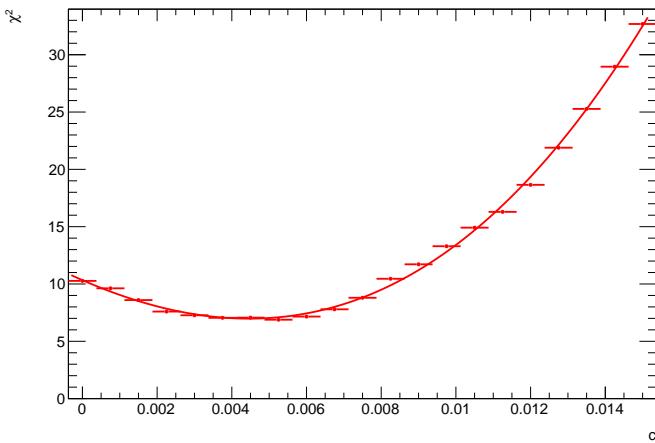
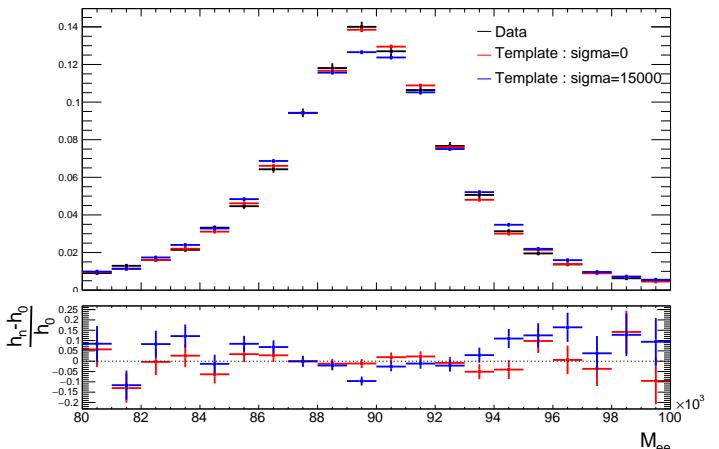
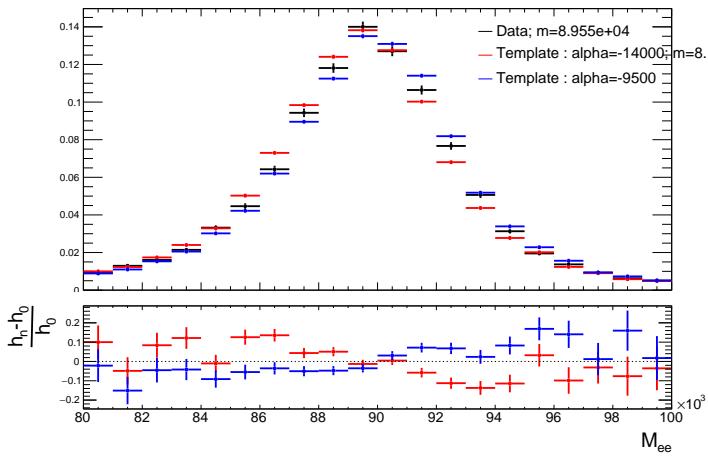
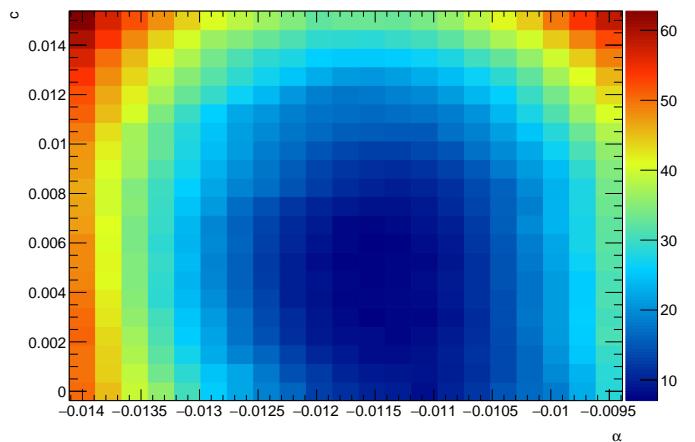
MCEvents : 125928

DataEvents : 20550

ThresholdMass : 58.3779

$$\alpha_{ij} = -0.0114559 \pm 0.00039725$$

$$\sigma_{ij} = 0.00446177 \pm 0.00225805$$



104 ChiMatrix_16_13

Results

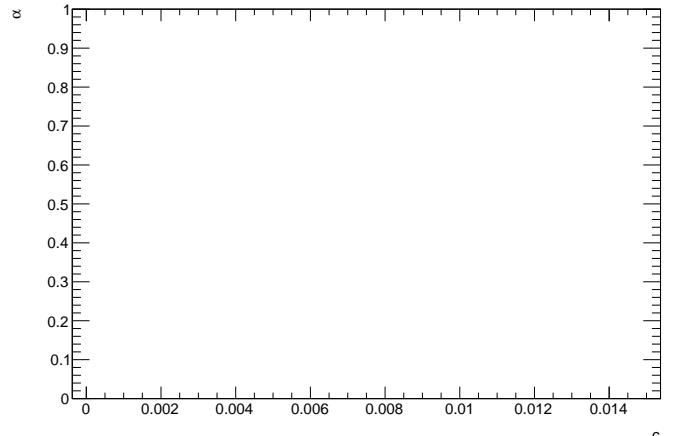
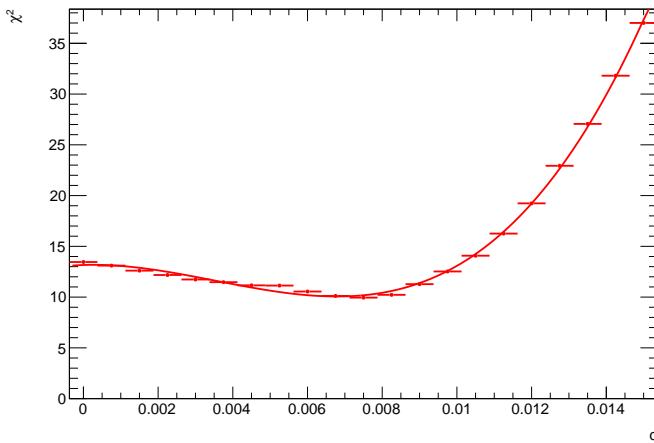
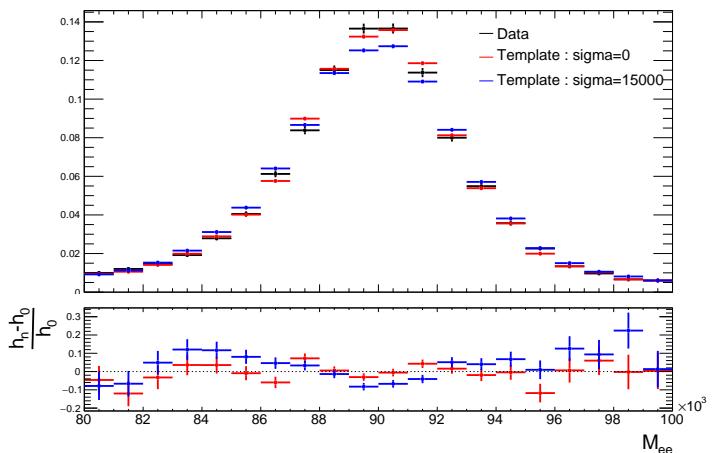
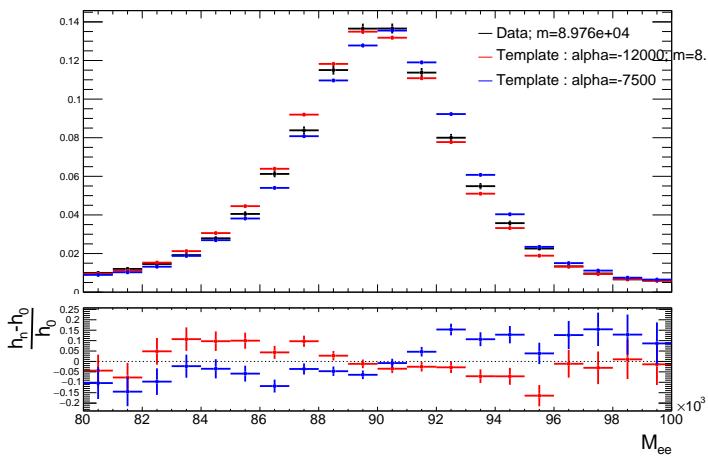
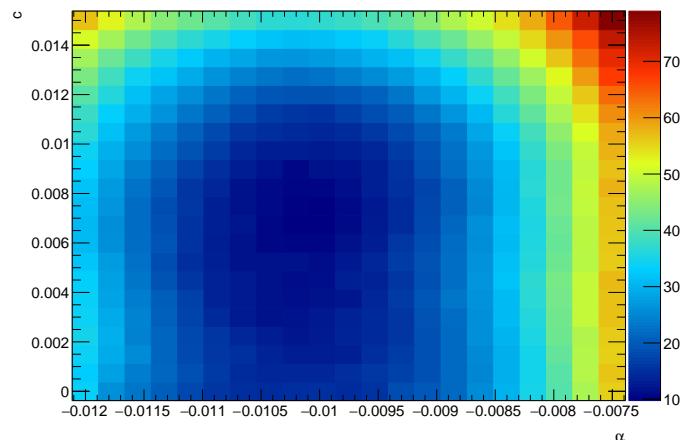
MCEvents : 134970

DataEvents : 22869

ThresholdMass : 56.4483

$$\alpha_{ij} = -0.0101818 \pm 0.000394964$$

$$\sigma_{ij} = 0.00678754 \pm 0.00194665$$



105 ChiMatrix_16_14

Results

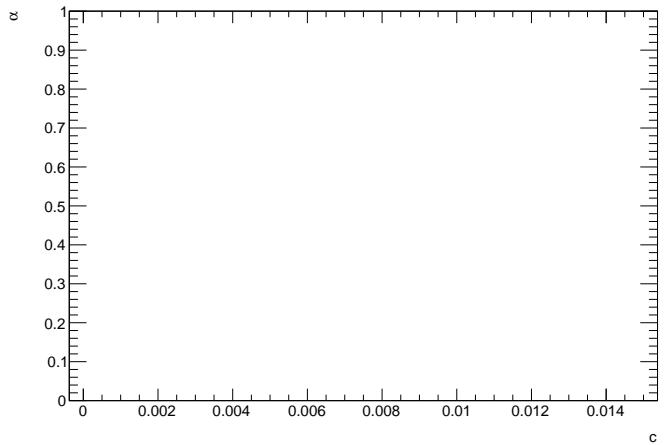
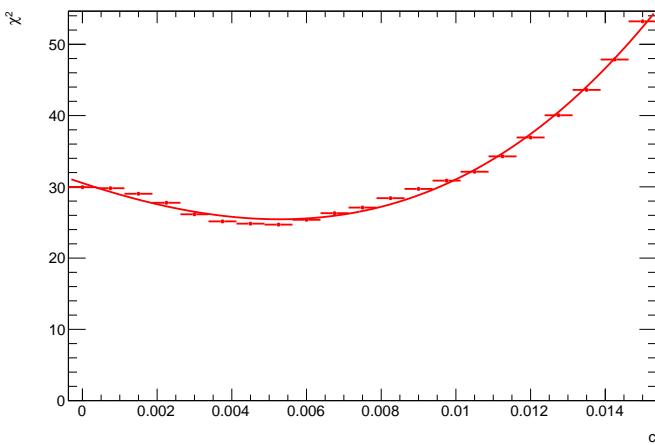
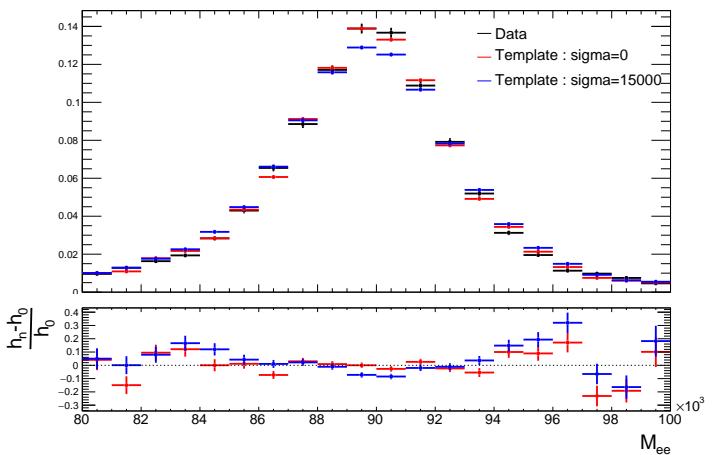
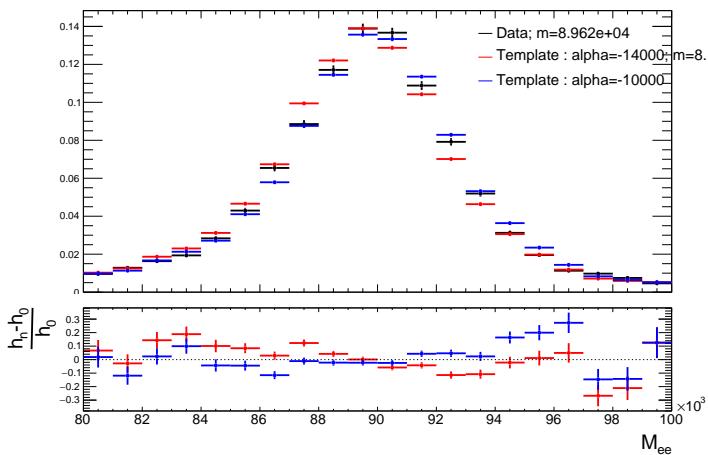
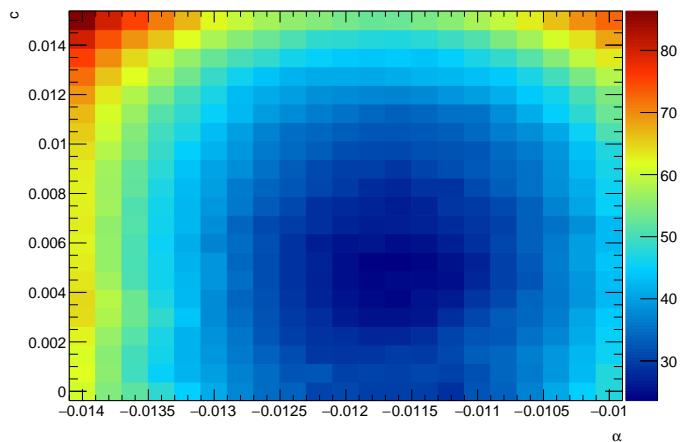
MCEvents : 138852

DataEvents : 23489

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.0116426 \pm 0.000376866$$

$$\sigma_{ij} = 0.00528128 \pm 0.00207123$$



106 ChiMatrix_16_15

Results

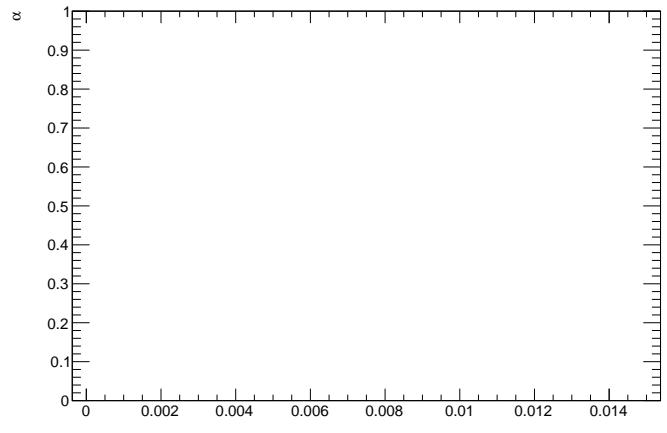
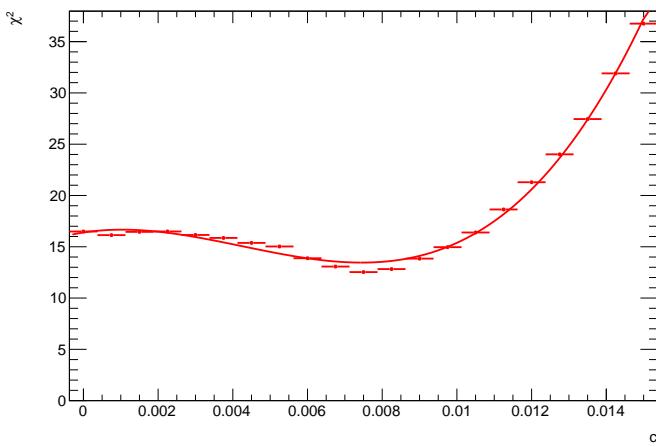
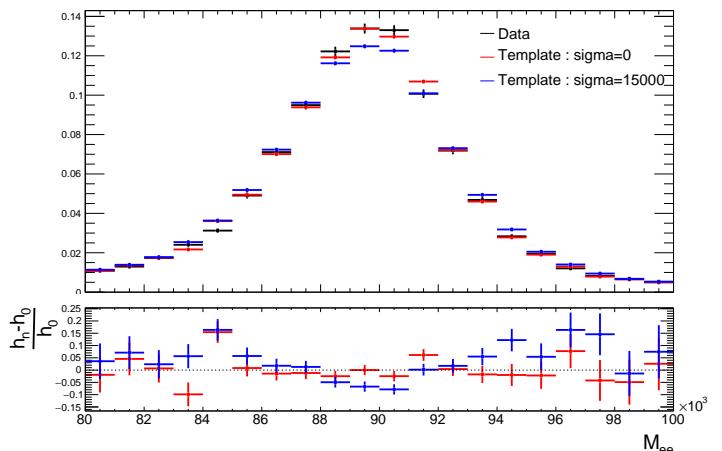
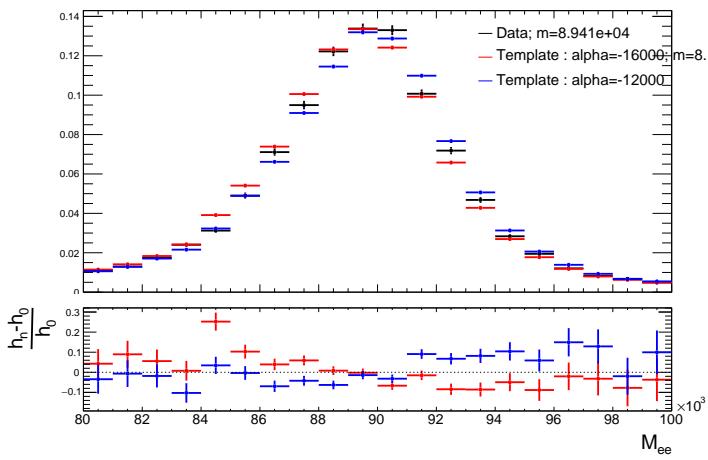
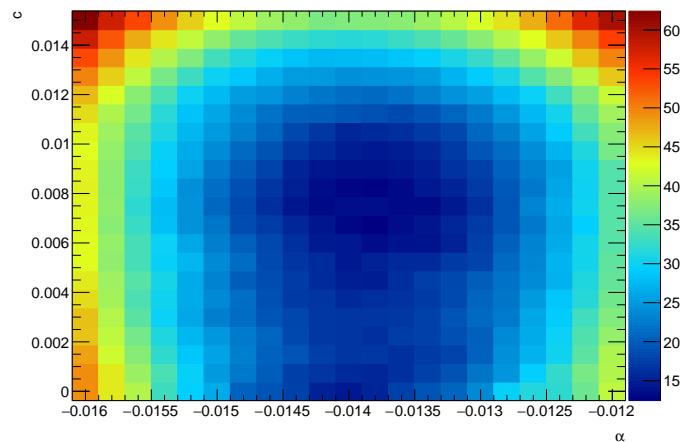
MCEvents : 139668

DataEvents : 23928

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.0138272 \pm 0.000389946$$

$$\sigma_{ij} = 0.00744946 \pm 0.00188947$$



107 ChiMatrix_16_16

Results

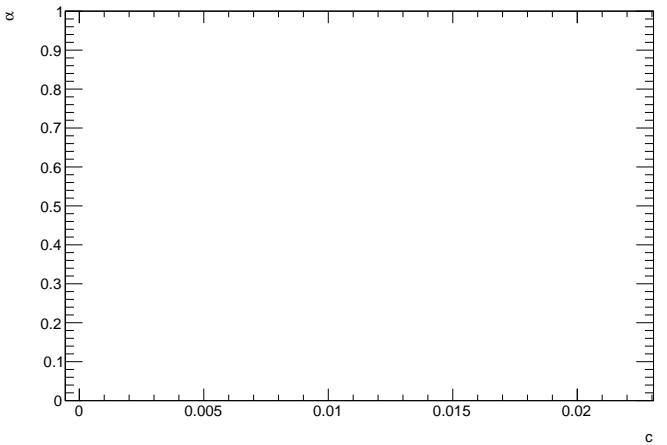
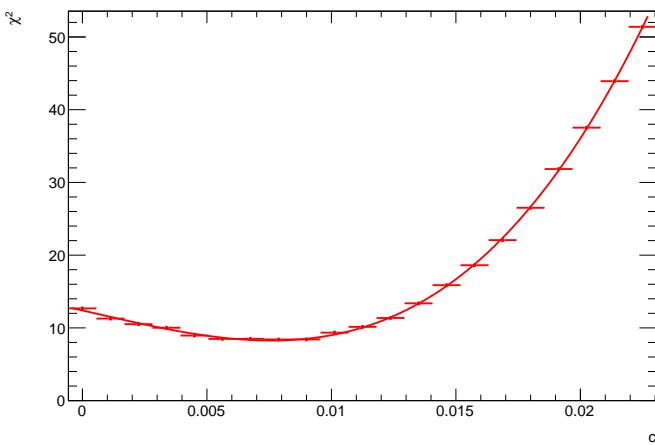
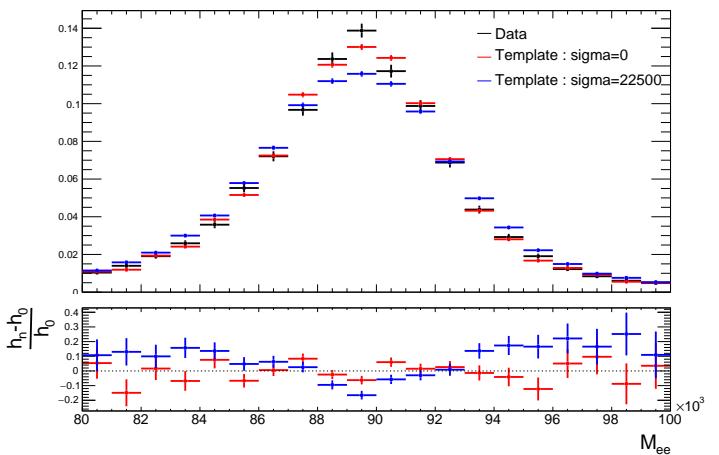
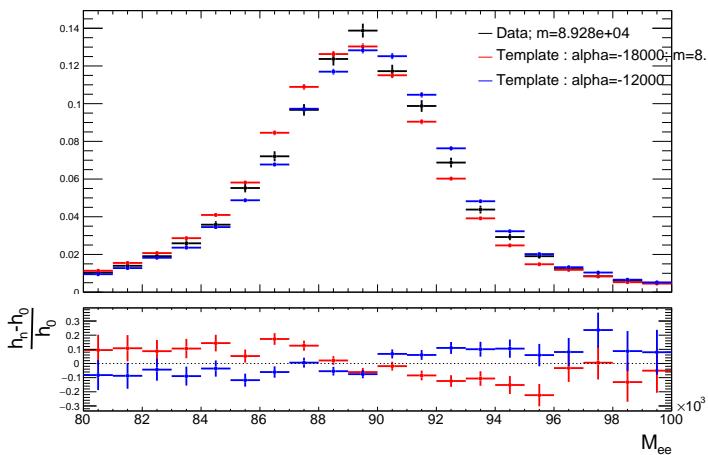
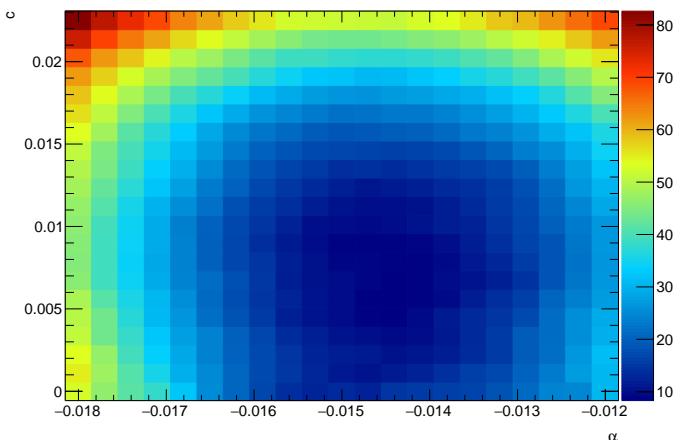
MCEvents : 69558

DataEvents : 11692

ThresholdMass : 54

$$\alpha_{ij} = -0.0144761 \pm 0.000581001$$

$$\sigma_{ij} = 0.00758305 \pm 0.00279469$$



108 ChiMatrix_17_10

Results

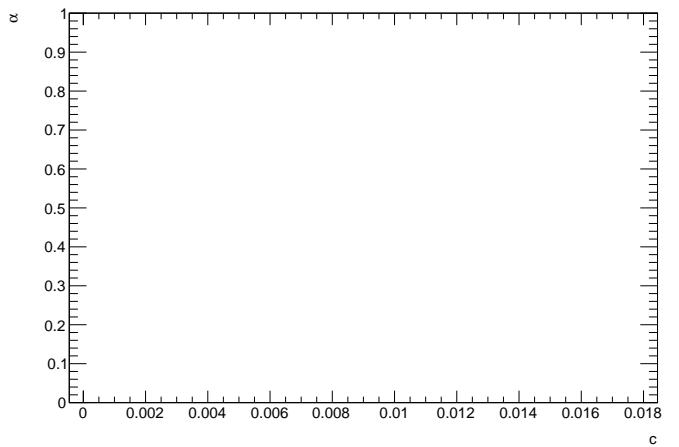
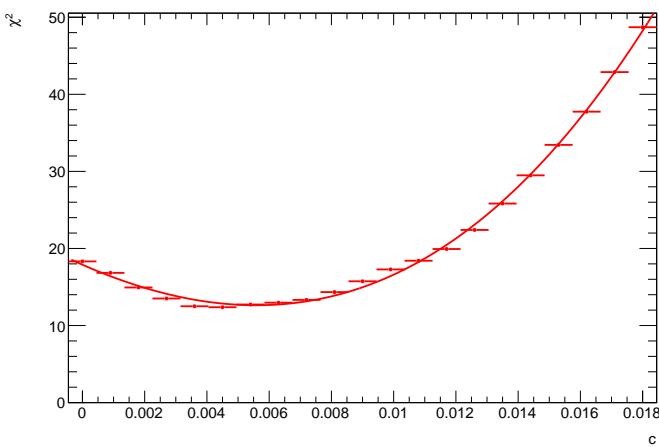
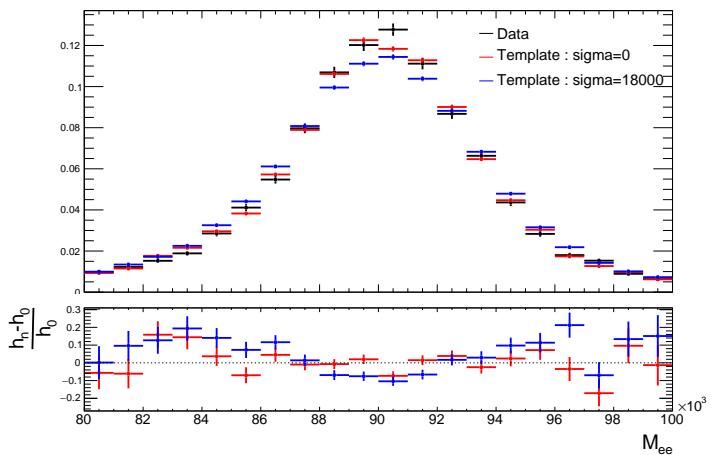
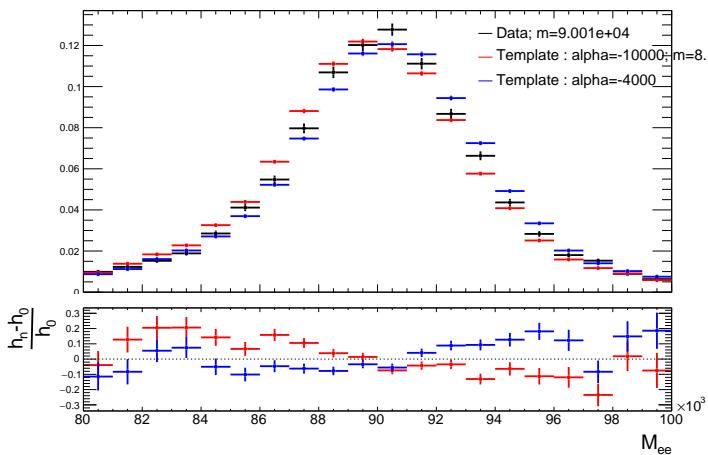
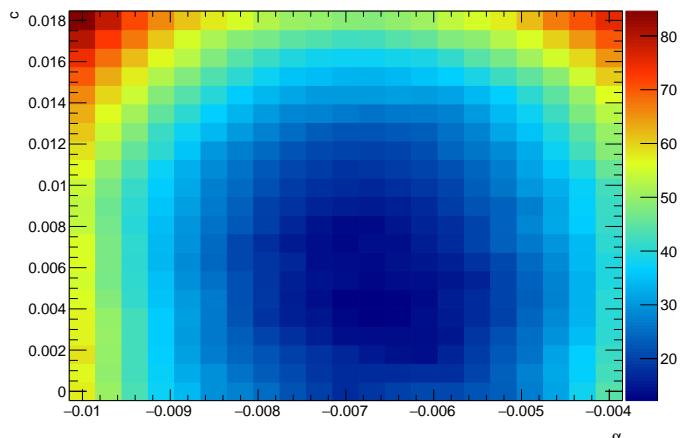
MCEvents : 97938

DataEvents : 15761

ThresholdMass : 67.7791

$$\alpha_{ij} = -0.00666713 \pm 0.000517245$$

$$\sigma_{ij} = 0.00558258 \pm 0.00226028$$



109 ChiMatrix_17_11

Results

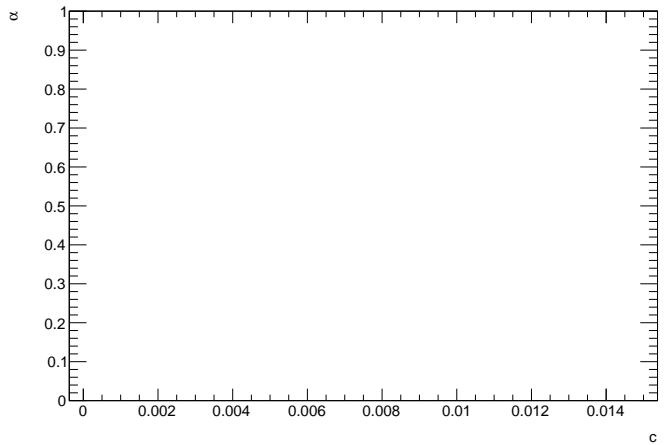
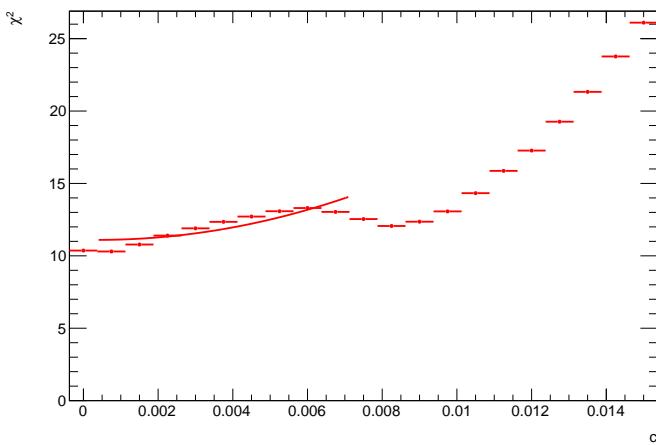
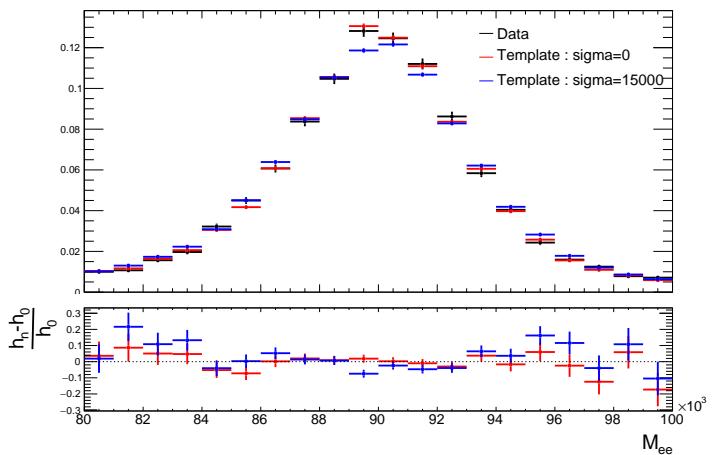
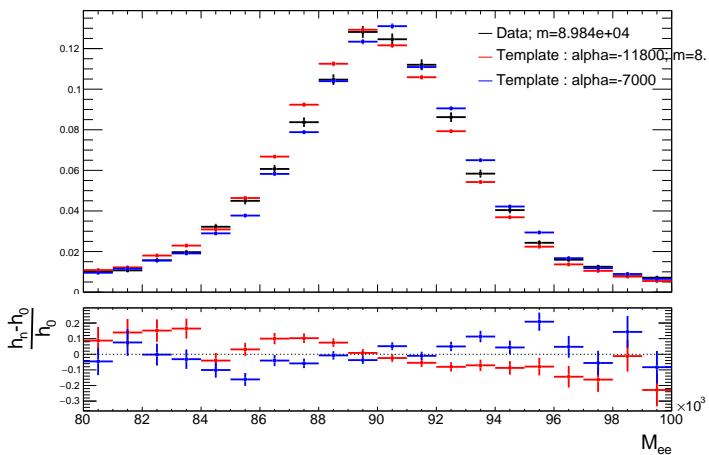
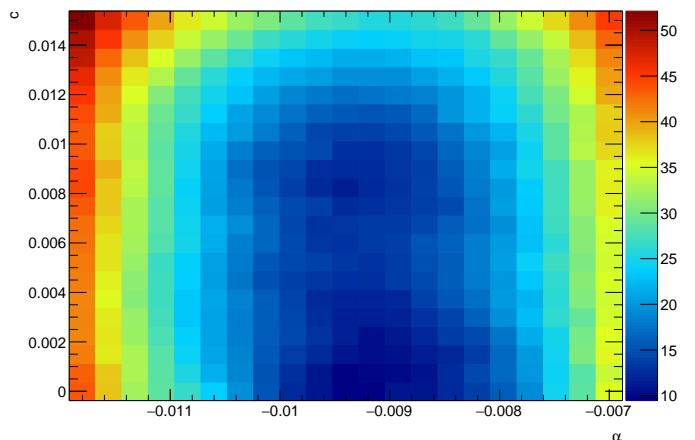
MCEvents : 108822

DataEvents : 17260

ThresholdMass : 64.0151

$$\alpha_{ij} = -0.00915963 \pm 0.000451002$$

$$\sigma_{ij} = 0.000375 \pm 0.00390015$$



110 ChiMatrix_17_12

Results

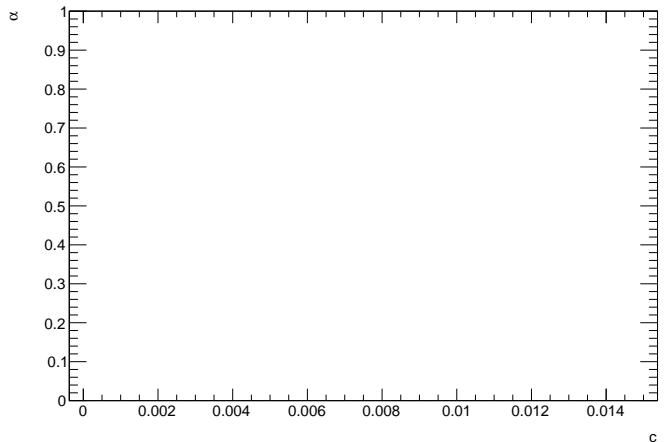
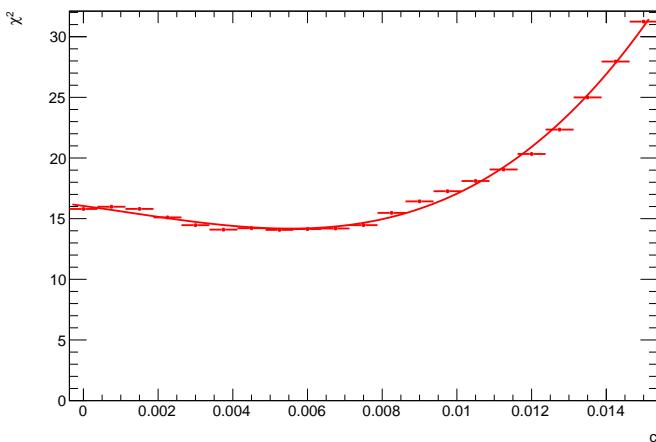
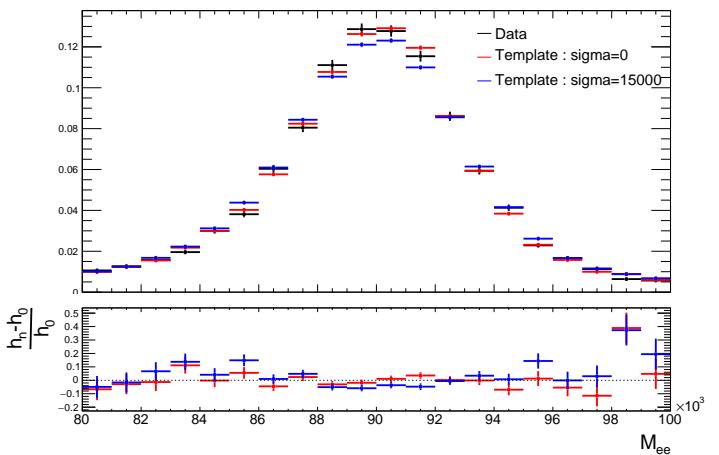
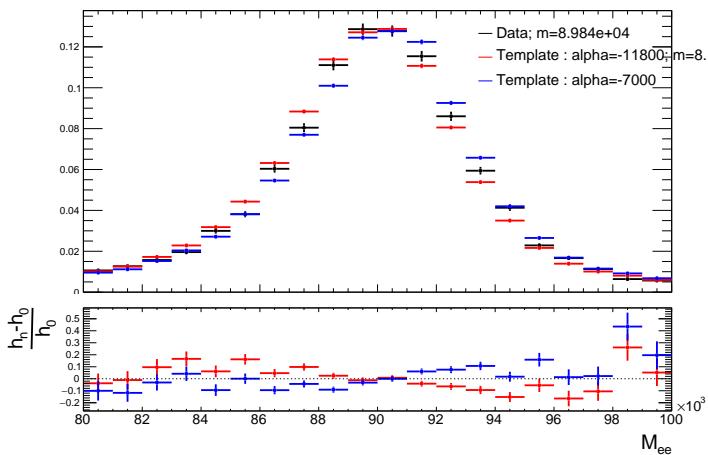
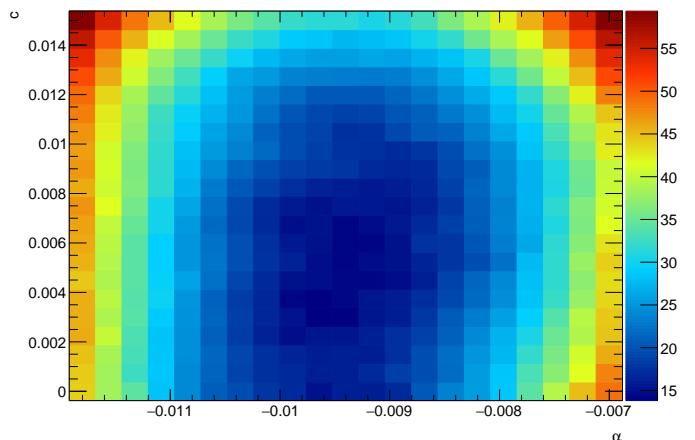
MCEvents : 118332

DataEvents : 18972

ThresholdMass : 60.8918

$$\alpha_{ij} = -0.0093422 \pm 0.000437731$$

$$\sigma_{ij} = 0.00553361 \pm 0.00277029$$



111 ChiMatrix_17_13

Results

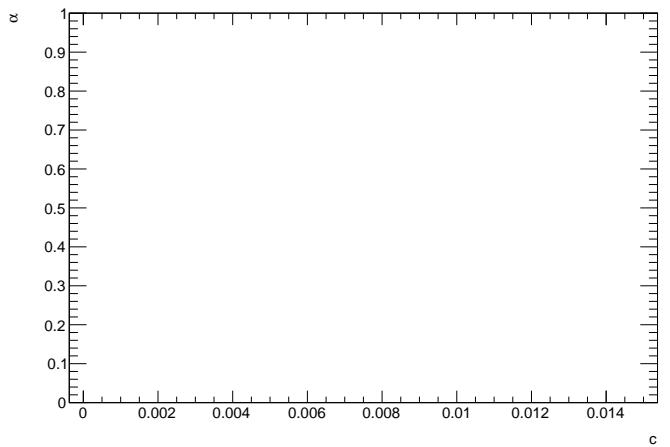
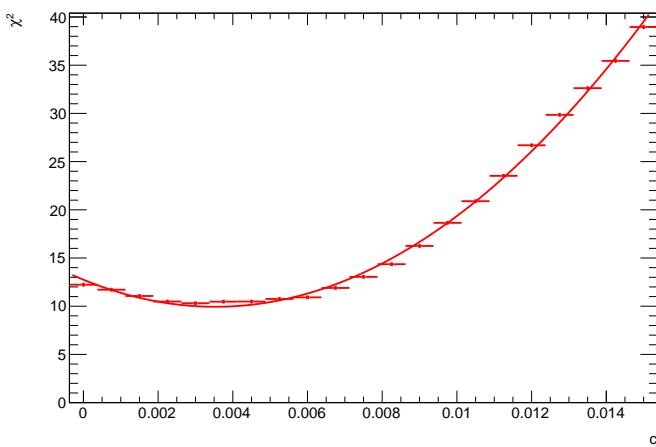
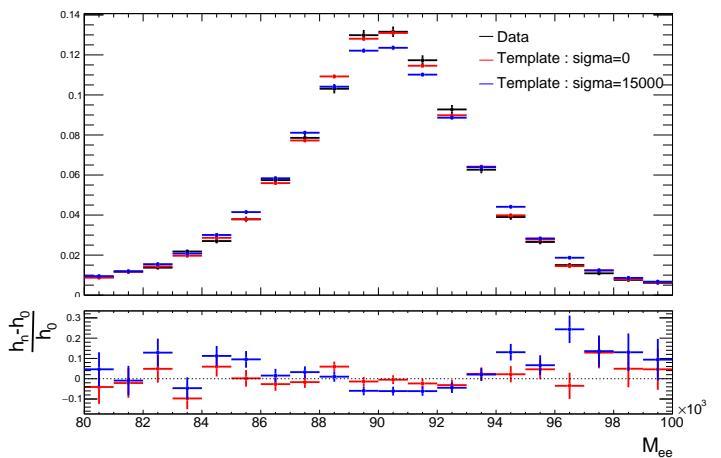
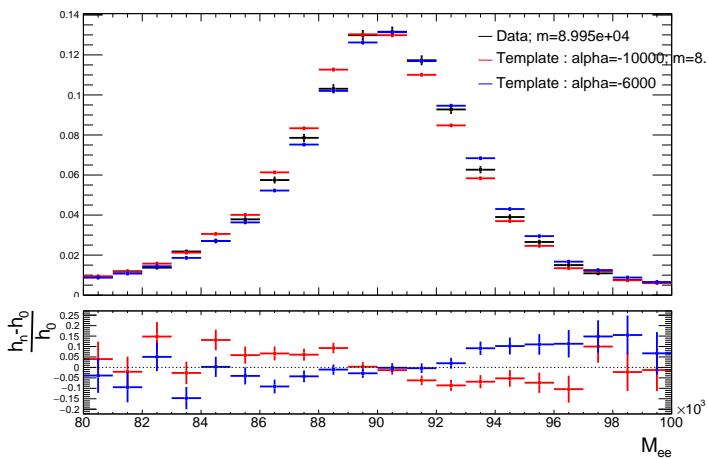
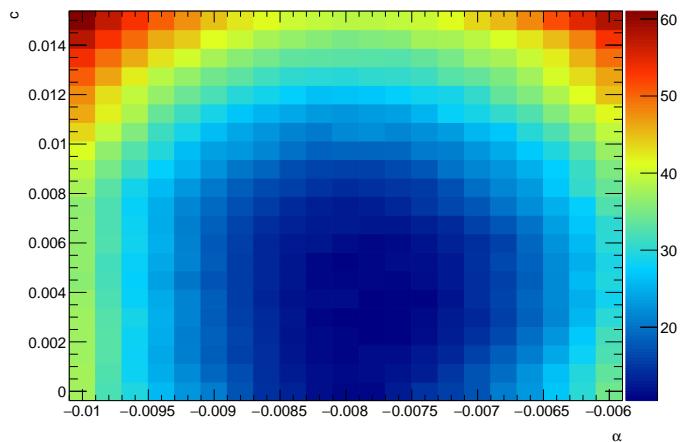
MCEvents : 129024

DataEvents : 21422

ThresholdMass : 58.3779

$$\alpha_{ij} = -0.00783492 \pm 0.000423957$$

$$\sigma_{ij} = 0.00353204 \pm 0.00210924$$



112 ChiMatrix_17_14

Results

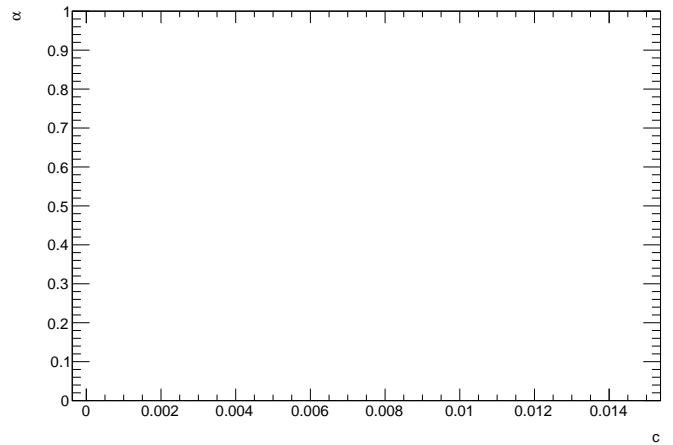
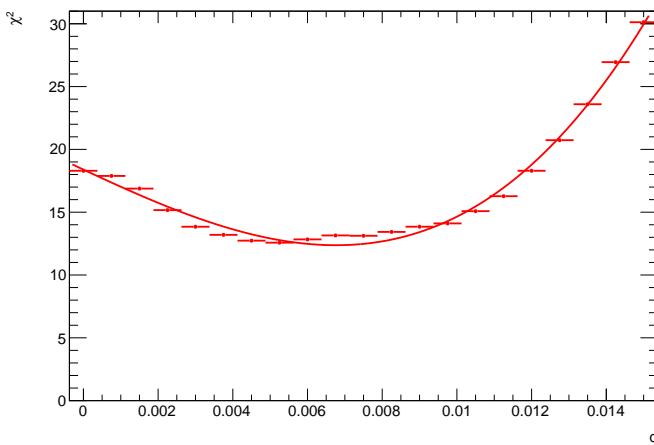
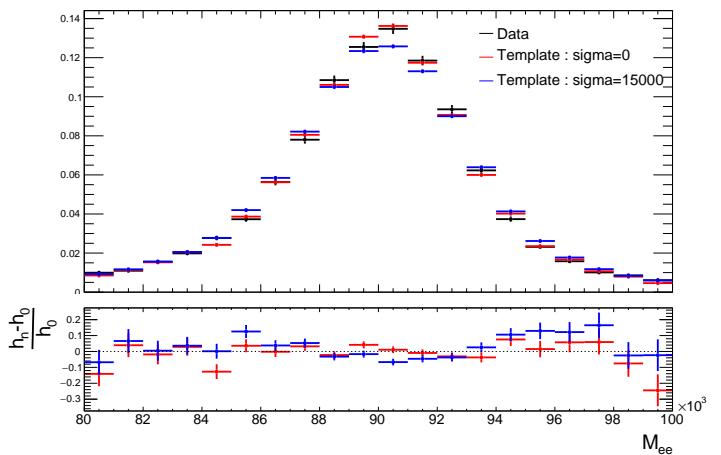
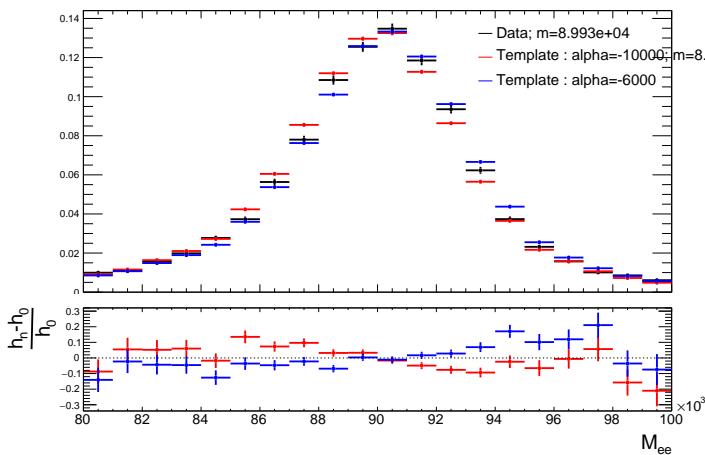
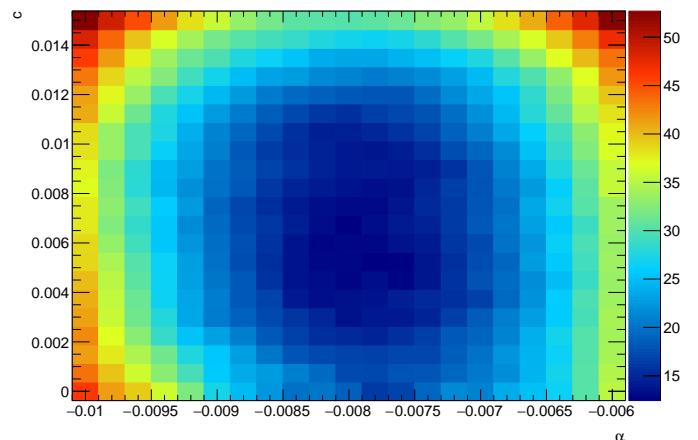
MCEvents : 133002

DataEvents : 22346

ThresholdMass : 56.4483

$$\alpha_{ij} = -0.00791763 \pm 0.000423685$$

$$\sigma_{ij} = 0.0067631 \pm 0.00219292$$



113 ChiMatrix_17_15

Results

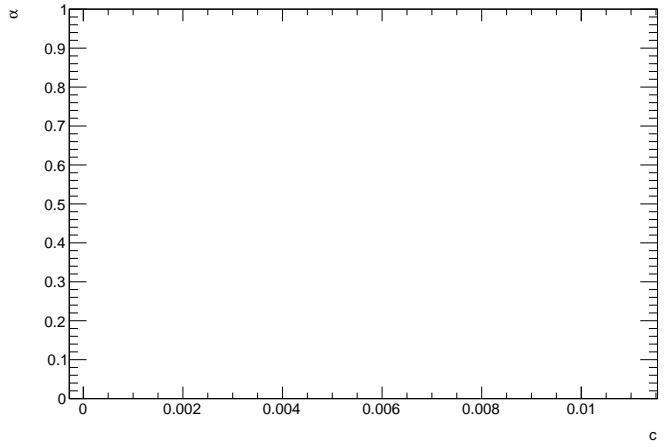
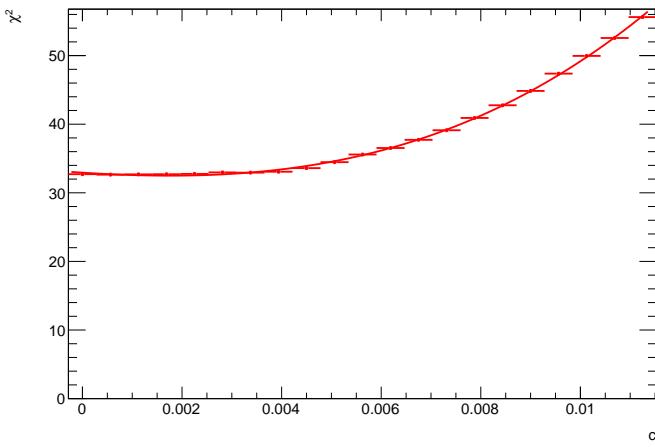
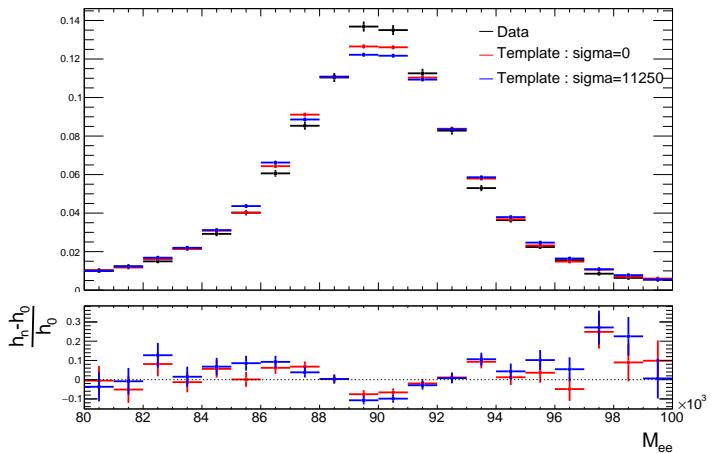
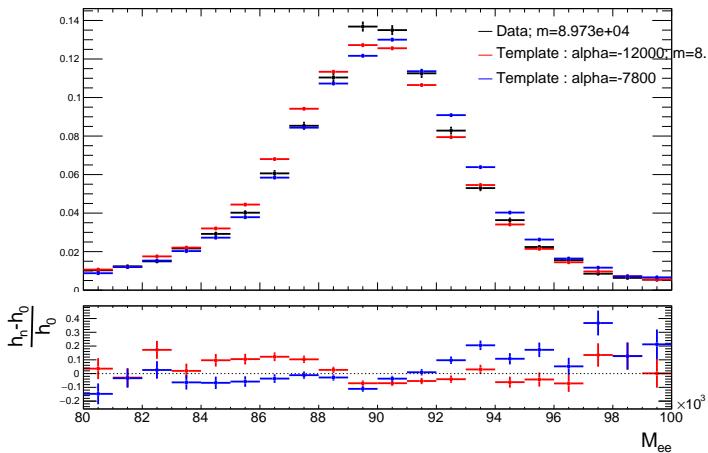
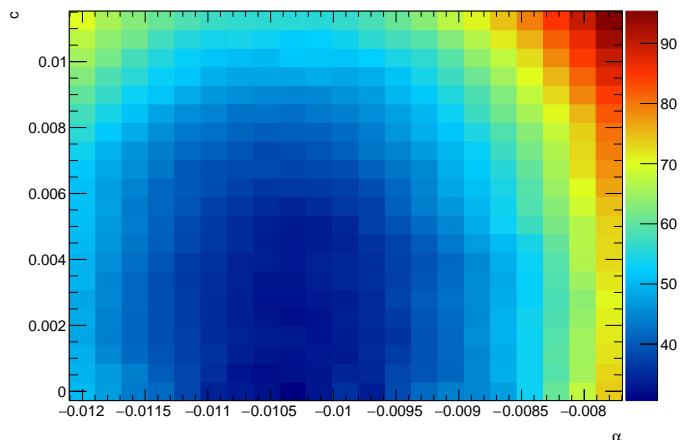
MCEvents : 135966

DataEvents : 22973

ThresholdMass : 55.0836

$$\alpha_{ij} = -0.0103294 \pm 0.000412124$$

$$\sigma_{ij} = 0.00176174 \pm 0.00233385$$



114 ChiMatrix_17_16

Results

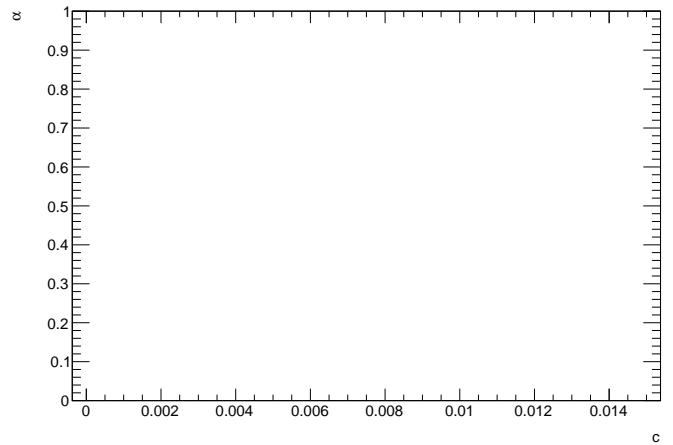
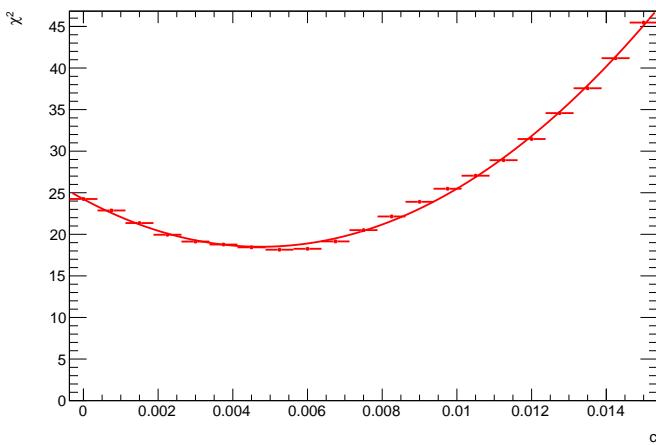
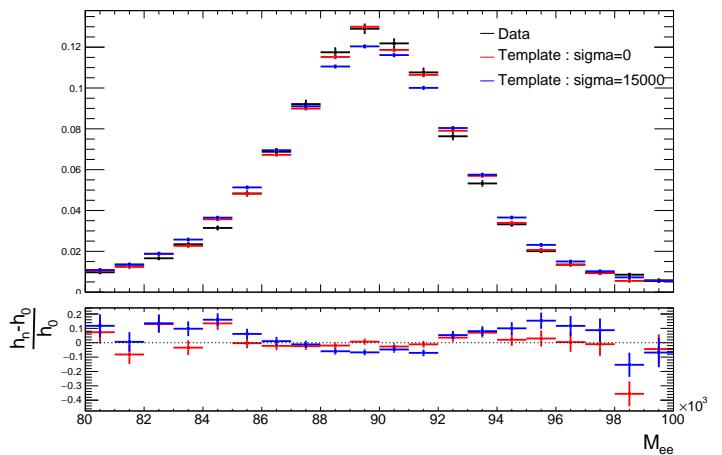
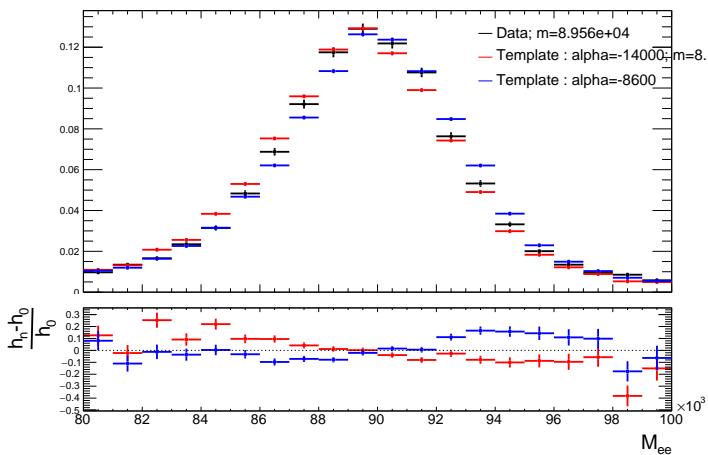
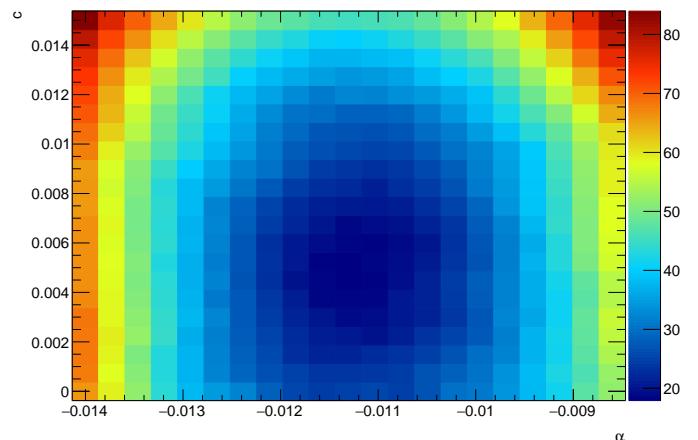
MCEvents : 132600

DataEvents : 22630

ThresholdMass : 54.2702

$$\alpha_{ij} = -0.0111466 \pm 0.000412281$$

$$\sigma_{ij} = 0.00475215 \pm 0.0019853$$



115 ChiMatrix_17_17

Results

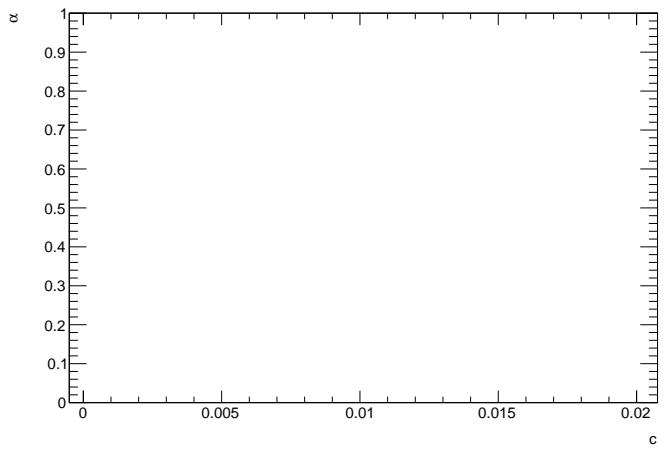
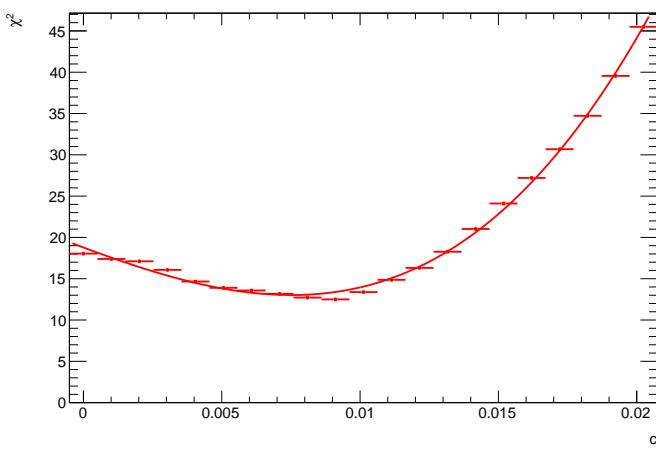
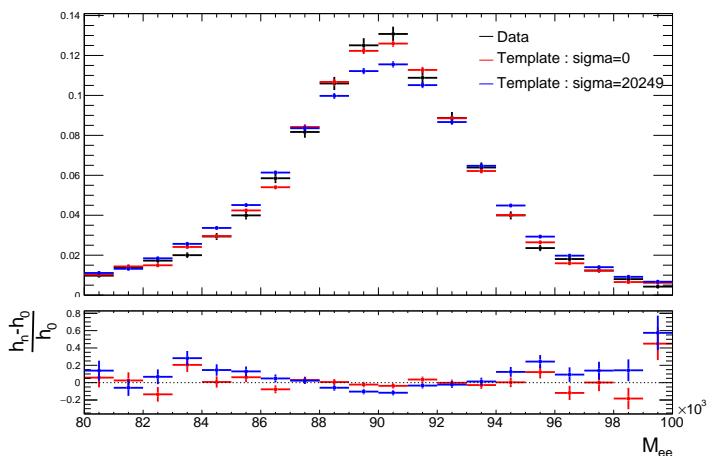
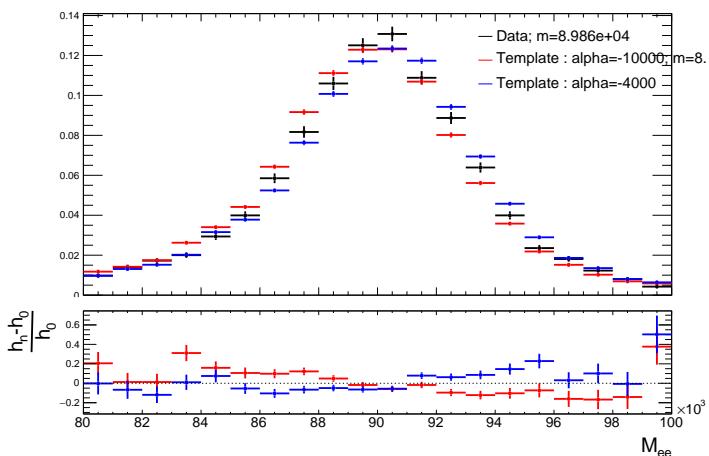
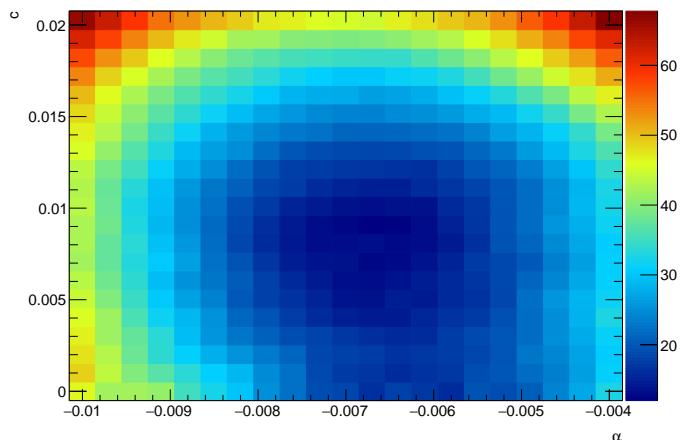
MCEvents : 65442

DataEvents : 11309

ThresholdMass : 54

$$\alpha_{ij} = -0.0066475 \pm 0.000621216$$

$$\sigma_{ij} = 0.00752516 \pm 0.00256966$$



116 ChiMatrix_18_11

Results

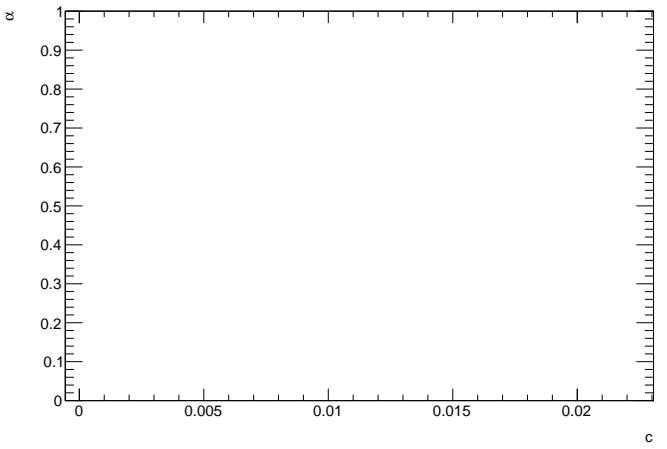
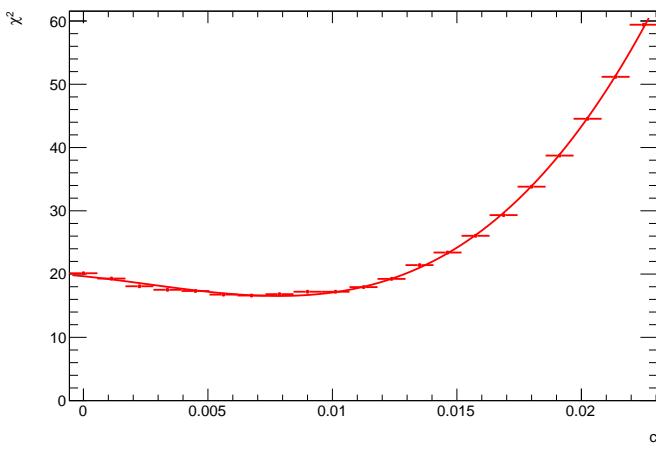
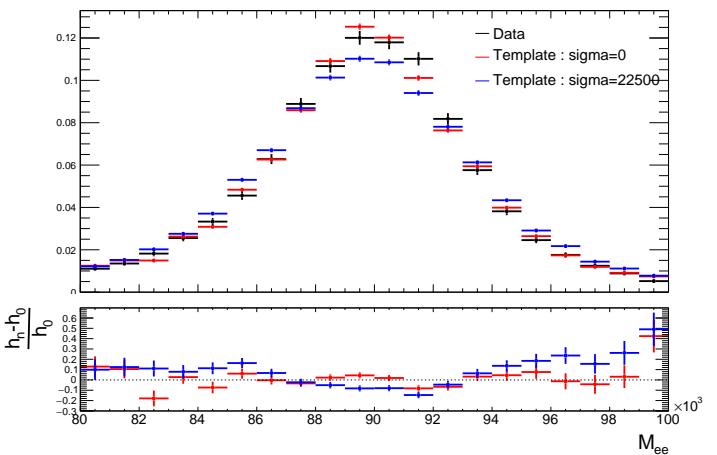
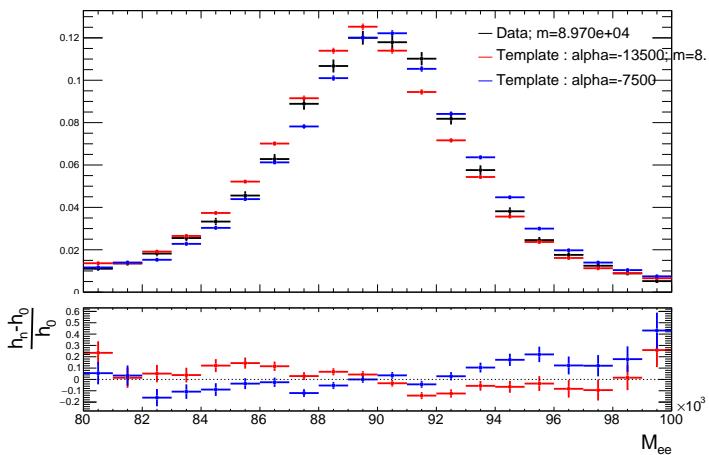
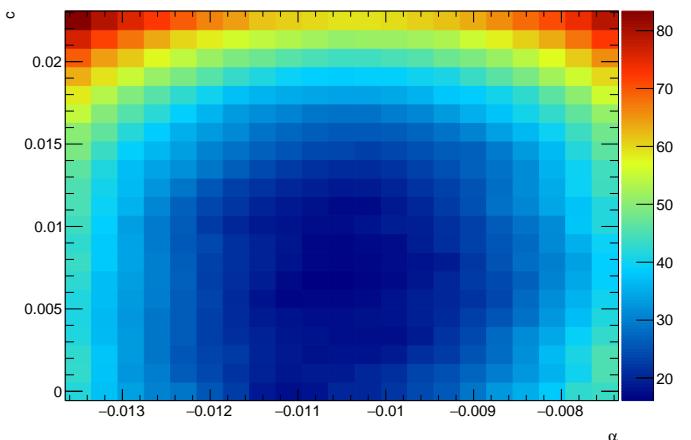
MCEvents : 80724

DataEvents : 12448

ThresholdMass : 67.4738

$$\alpha_{ij} = -0.0104205 \pm 0.000609285$$

$$\sigma_{ij} = 0.00782349 \pm 0.0028815$$



117 ChiMatrix_18_12

Results

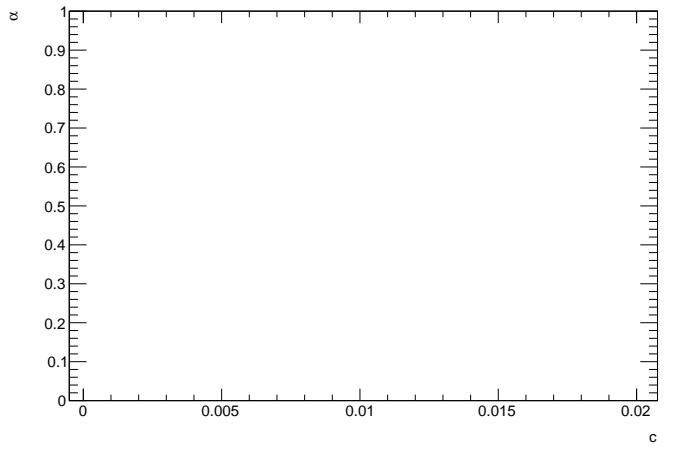
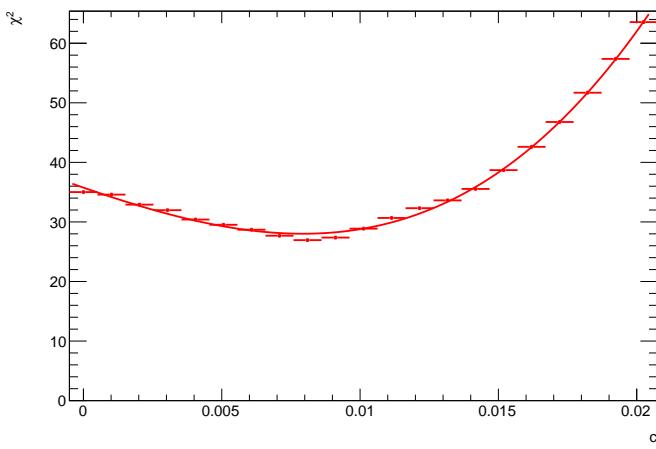
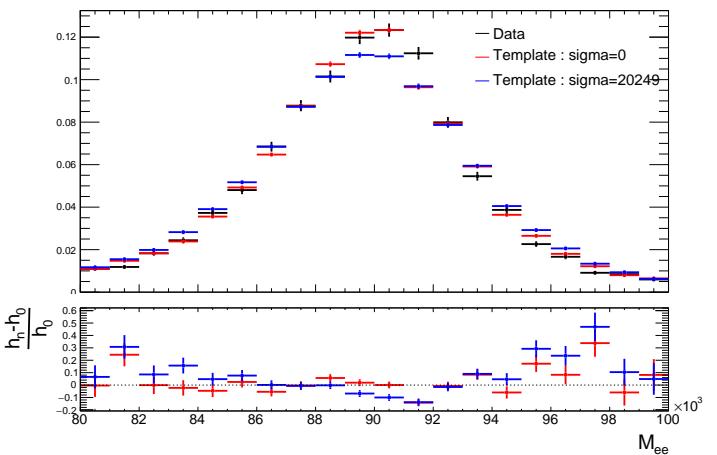
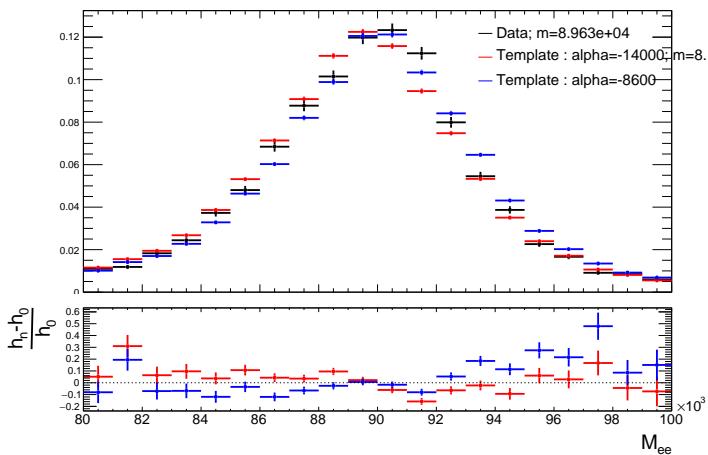
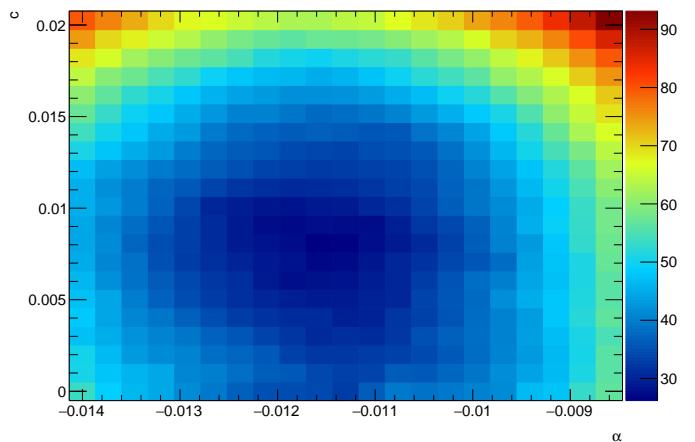
MCEvents : 89010

DataEvents : 14113

ThresholdMass : 63.7591

$$\alpha_{ij} = -0.0116473 \pm 0.000548333$$

$$\sigma_{ij} = 0.00792896 \pm 0.00235971$$



118 ChiMatrix_18_13

Results

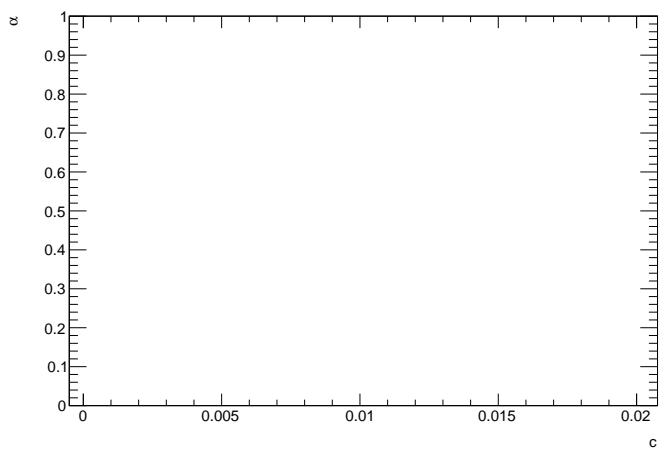
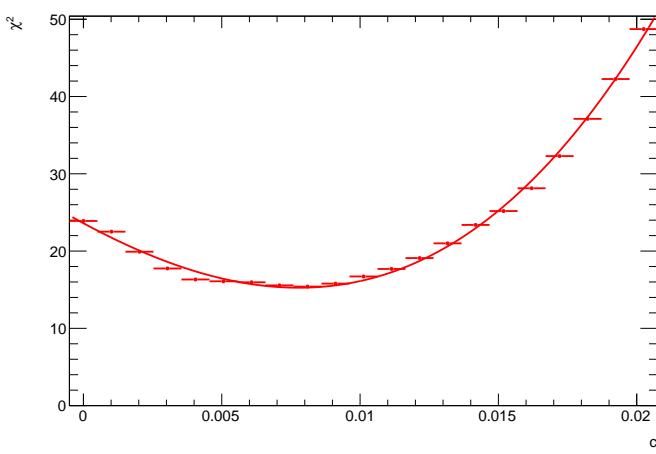
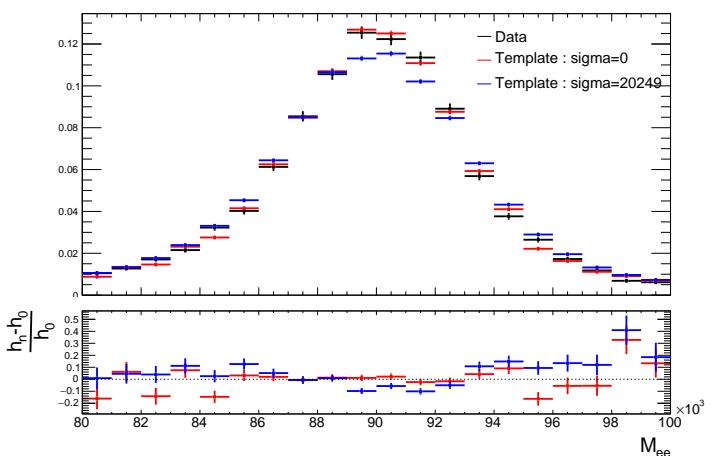
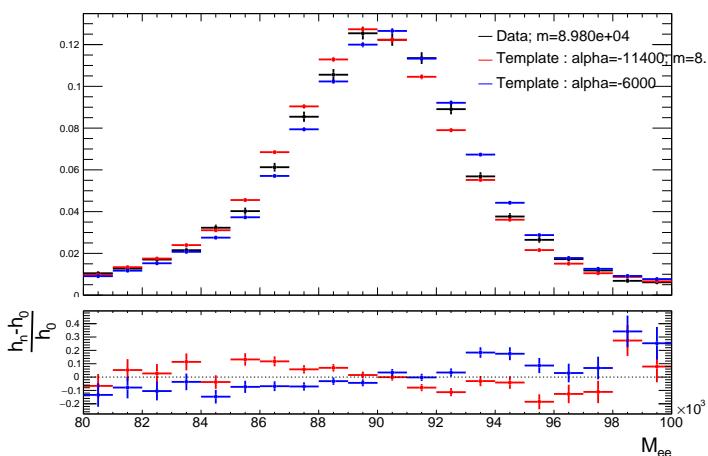
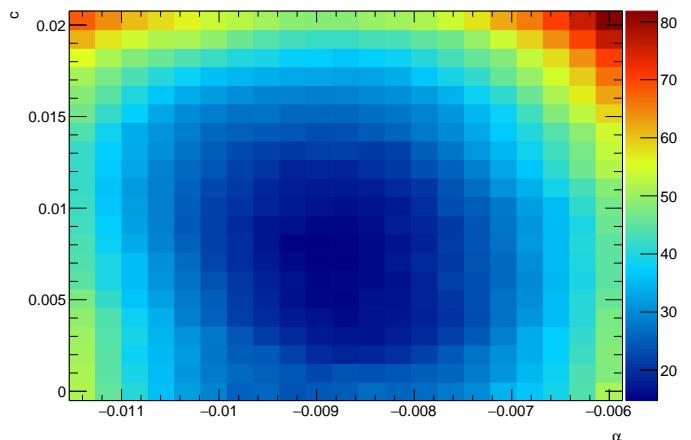
MCEvents : 101484

DataEvents : 16066

ThresholdMass : 60.6825

$$\alpha_{ij} = -0.00874352 \pm 0.000496899$$

$$\sigma_{ij} = 0.00777809 \pm 0.00239697$$



119 ChiMatrix_18_14

Results

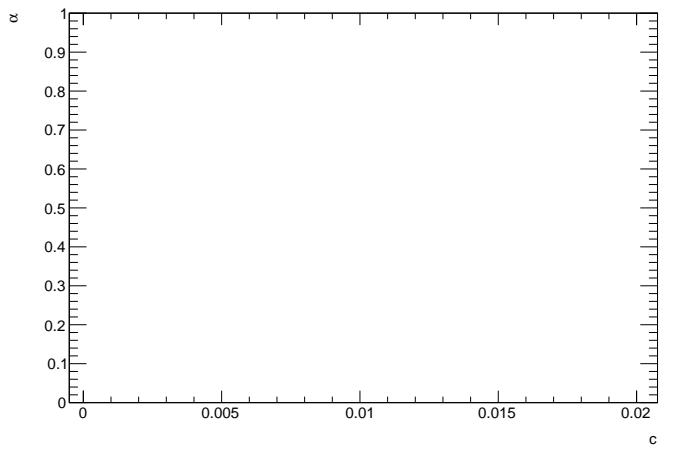
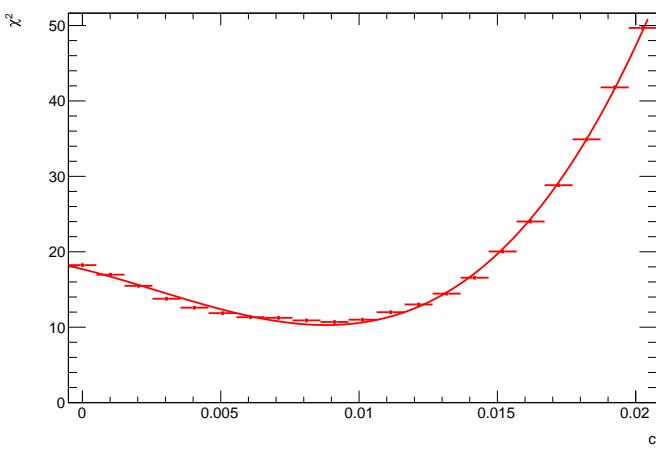
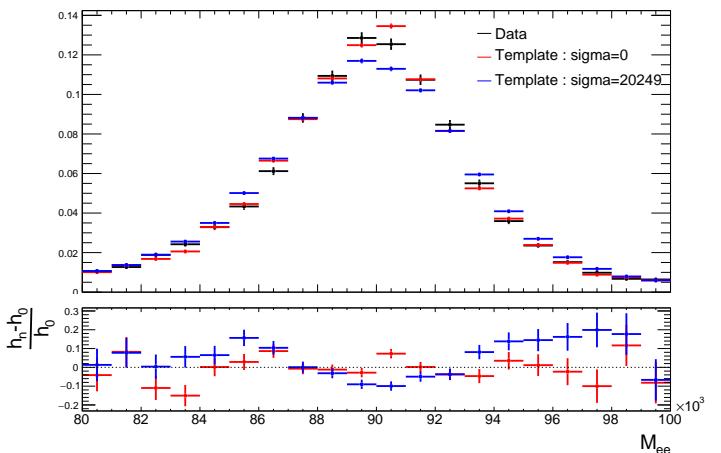
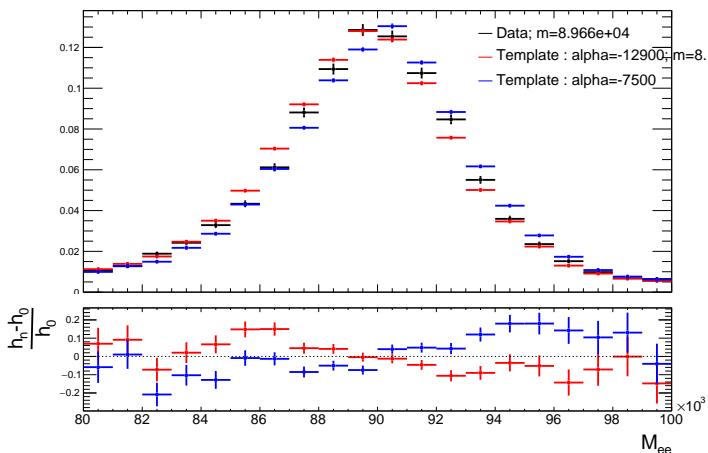
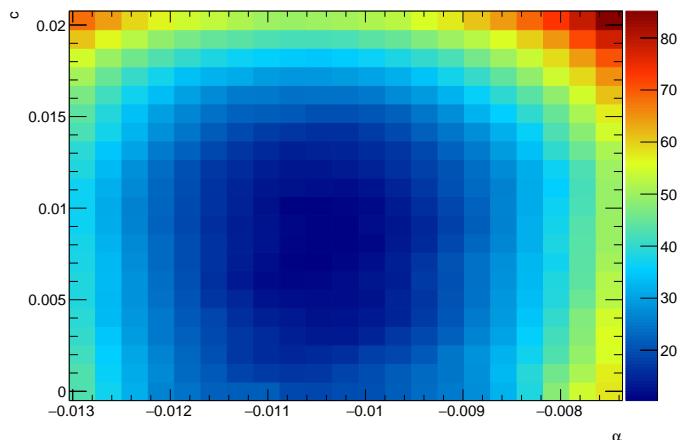
MCEvents : 106050

DataEvents : 17215

ThresholdMass : 58.2132

$$\alpha_{ij} = -0.0104601 \pm 0.00047293$$

$$\sigma_{ij} = 0.00880387 \pm 0.0022046$$



Results

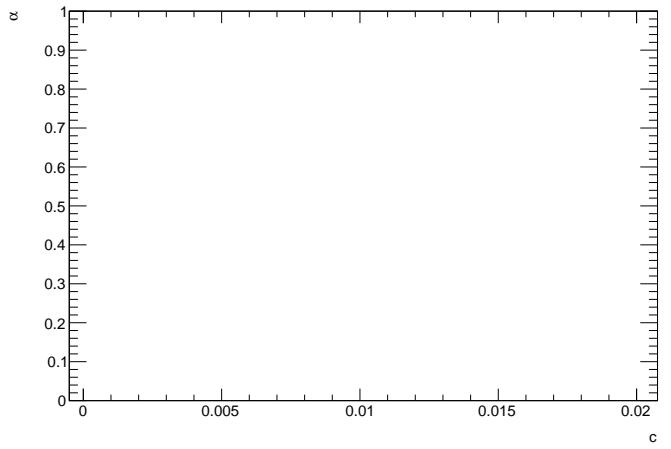
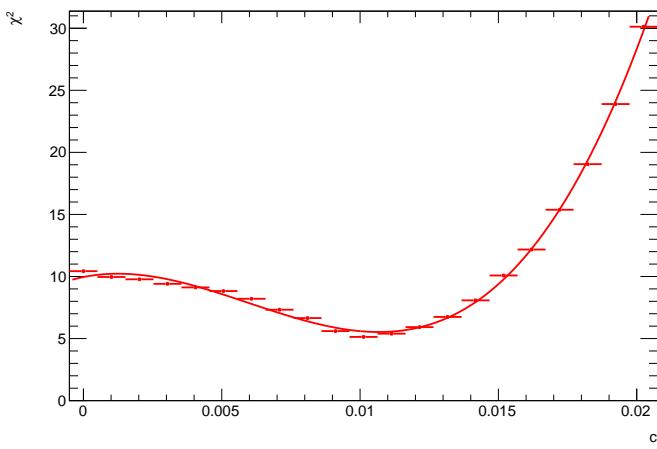
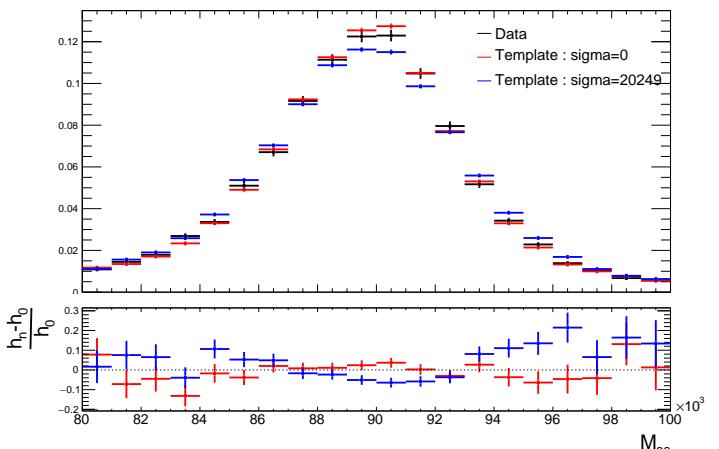
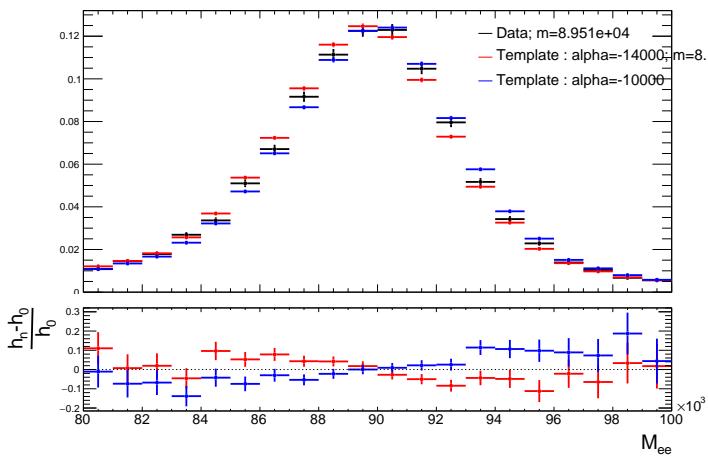
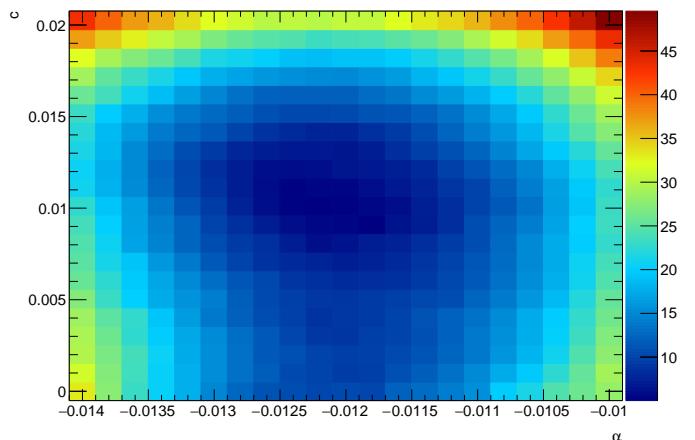
MCEvents : 108564

DataEvents : 18134

ThresholdMass : 56.3265

$$\alpha_{ij} = -0.012053 \pm 0.000491448$$

$$\sigma_{ij} = 0.0106813 \pm 0.00232811$$



121 ChiMatrix_18_16

Results

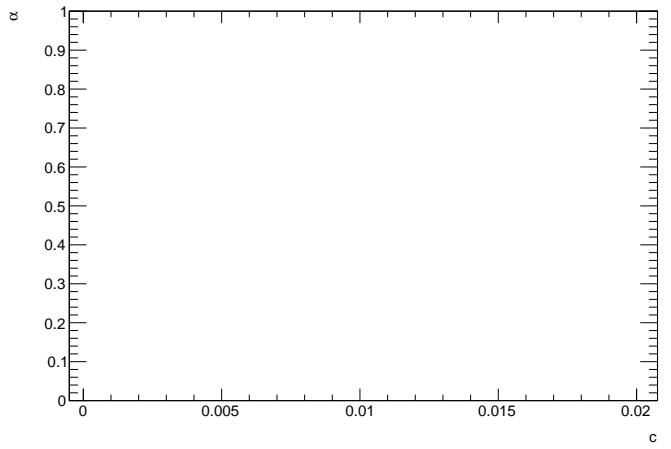
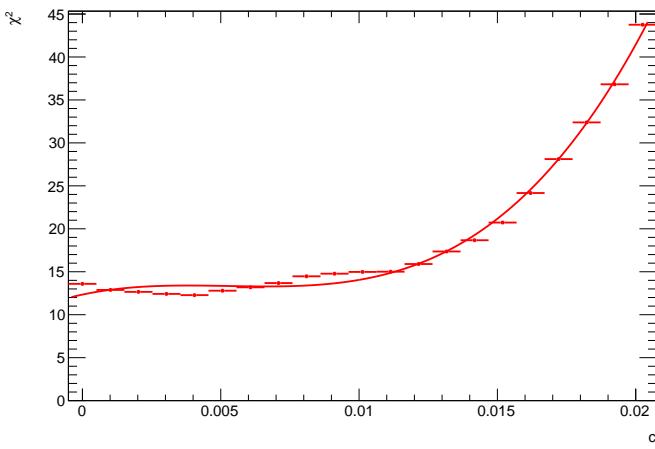
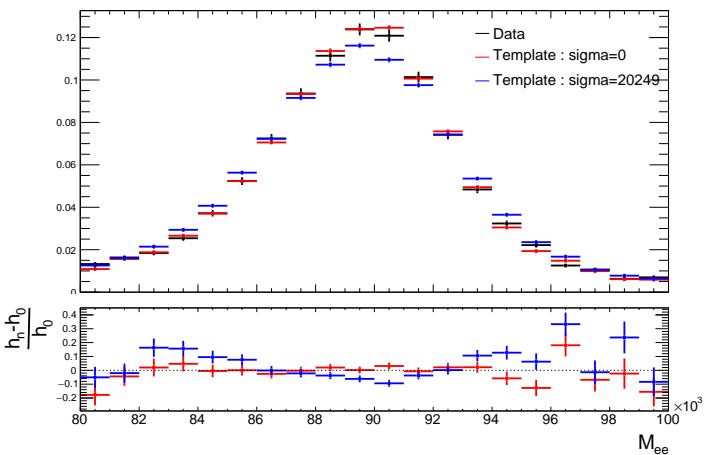
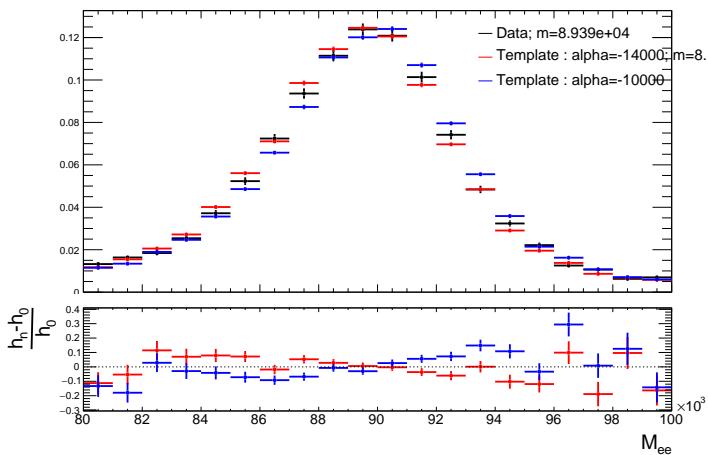
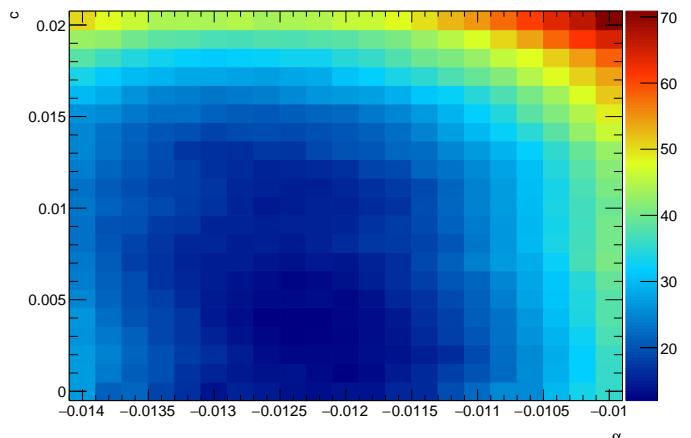
MCEvents : 107382

DataEvents : 18121

ThresholdMass : 55.0036

$$\alpha_{ij} = -0.01246 \pm 0.000481247$$

$$\sigma_{ij} = 0.00666461 \pm 0.00372589$$



Results

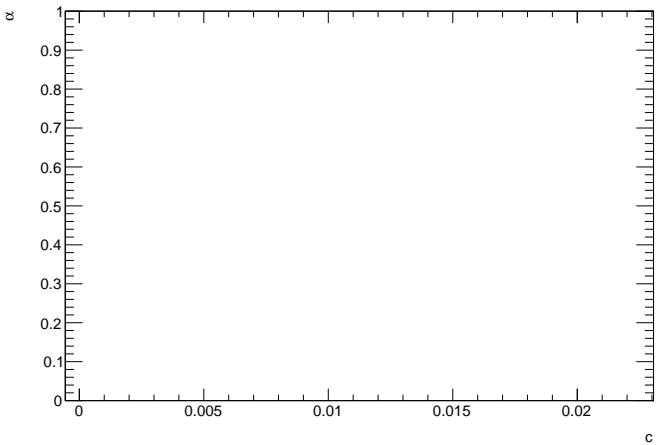
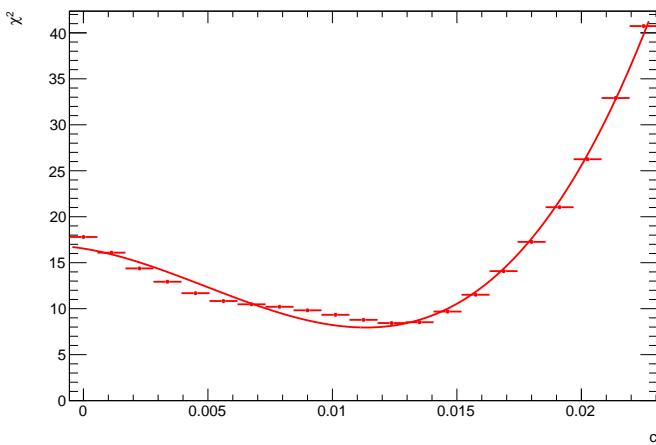
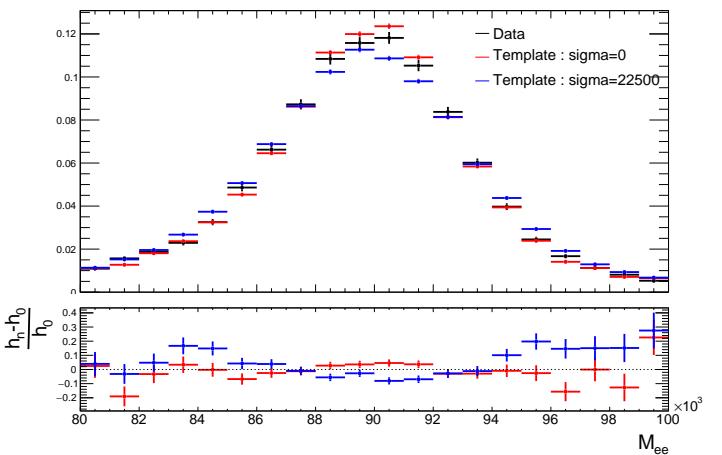
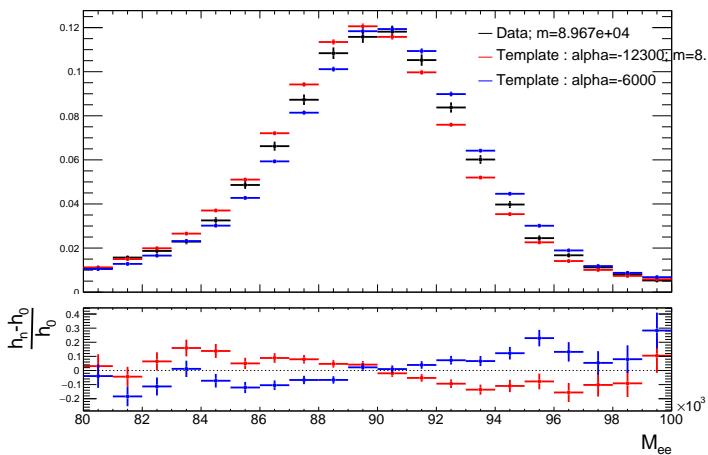
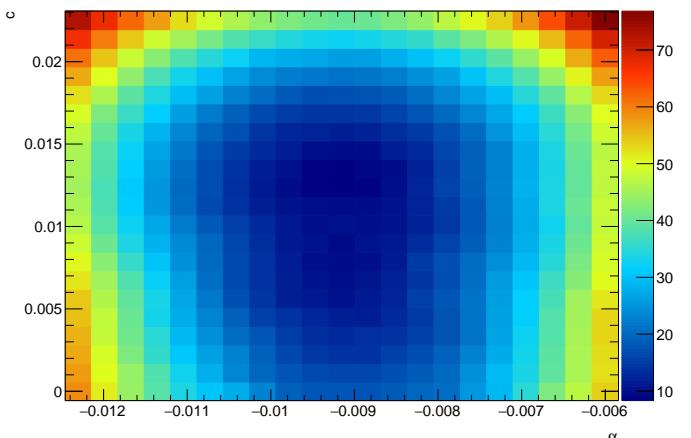
MCEvents : 106632

DataEvents : 17914

ThresholdMass : 54.2312

$$\alpha_{ij} = -0.00918988 \pm 0.000514423$$

$$\sigma_{ij} = 0.011341 \pm 0.00234516$$



123 ChiMatrix_18_18

Results

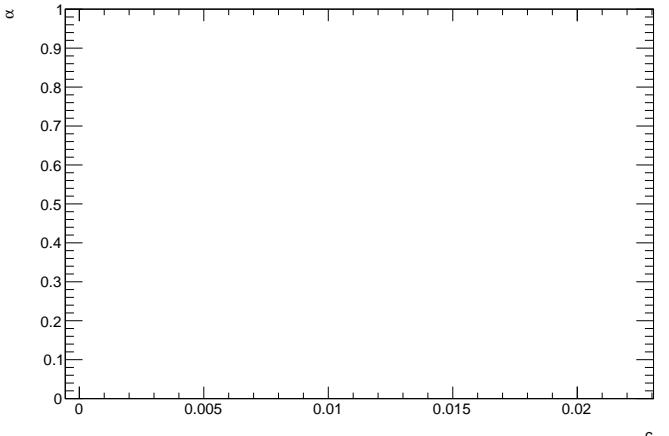
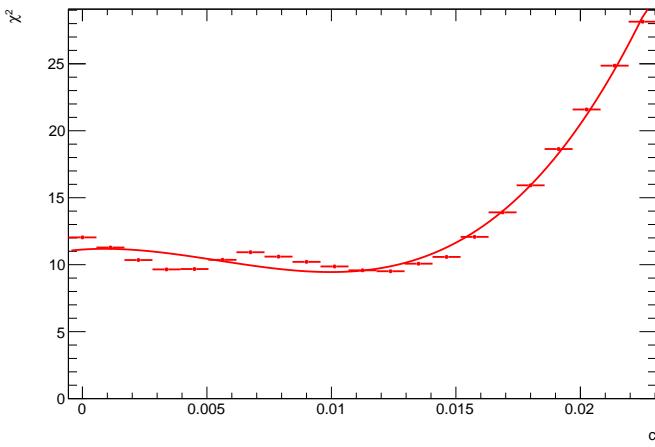
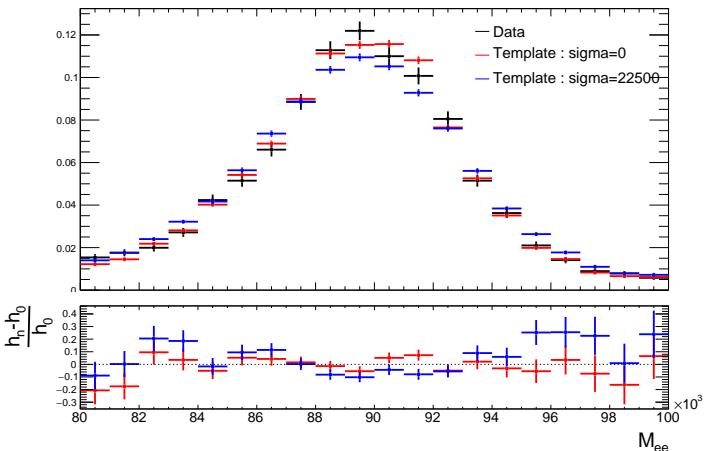
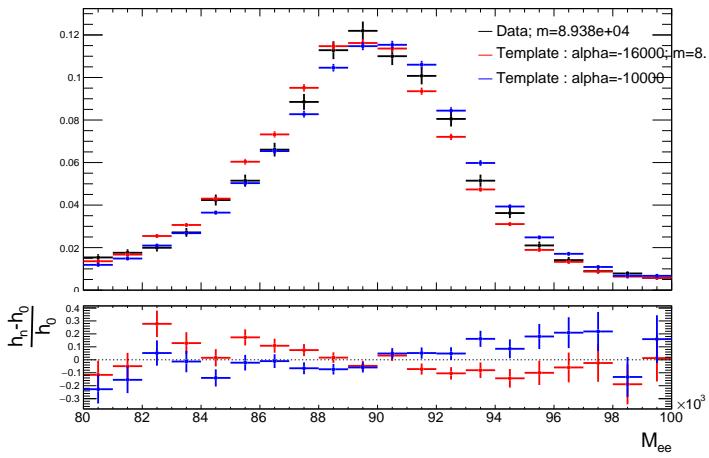
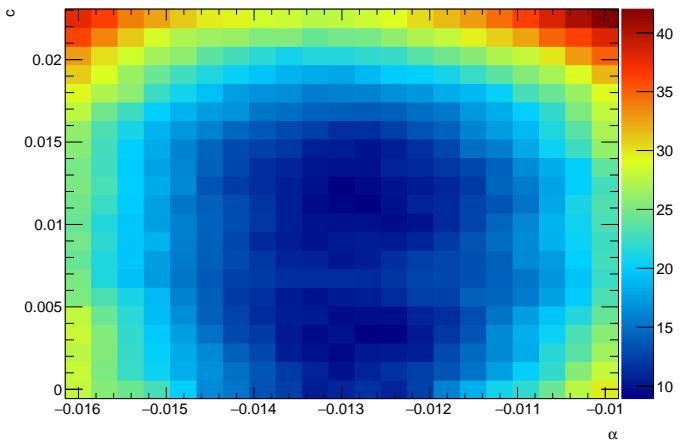
MCEvents : 44250

DataEvents : 7338

ThresholdMass : 54

$$\alpha_{ij} = -0.0128885 \pm 0.000798807$$

$$\sigma_{ij} = 0.00997017 \pm 0.00354477$$



Results

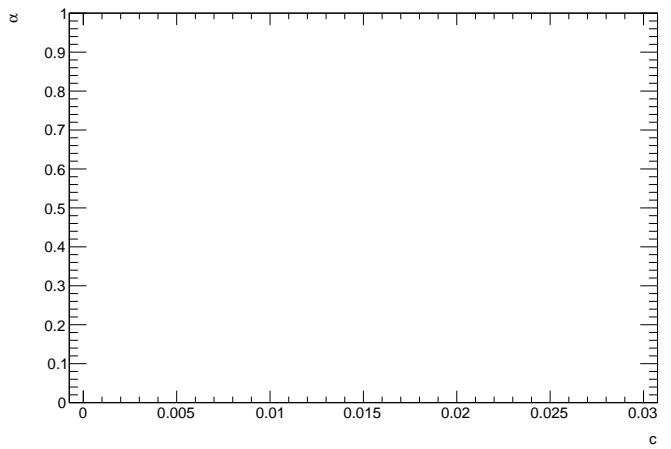
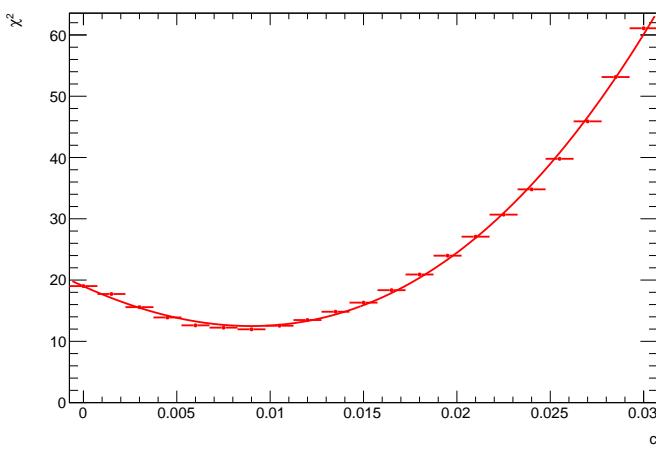
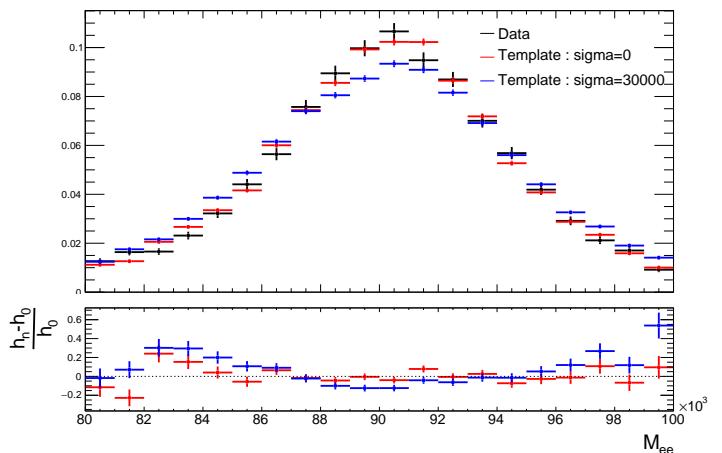
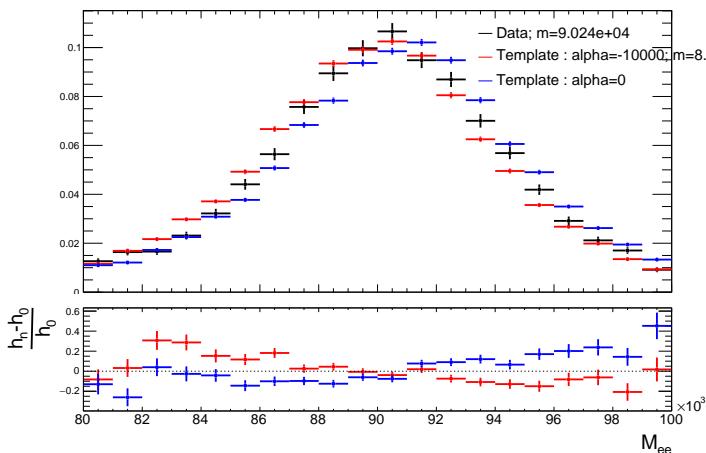
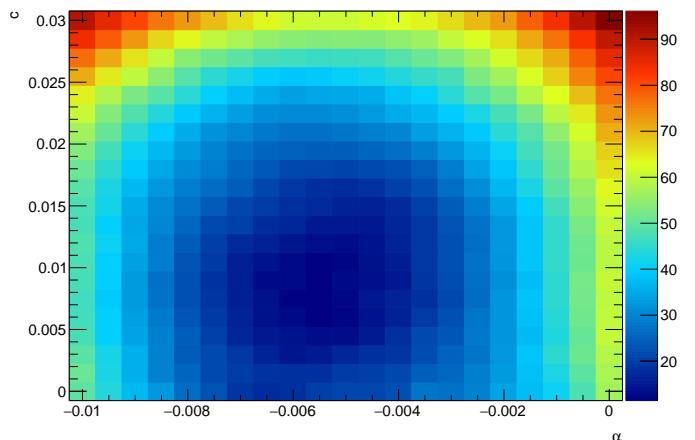
MCEvents : 72816

DataEvents : 10300

ThresholdMass : 66.9734

$$\alpha_{ij} = -0.00541883 \pm 0.000774976$$

$$\sigma_{ij} = 0.00898324 \pm 0.00330274$$



125 ChiMatrix_19_13

Results

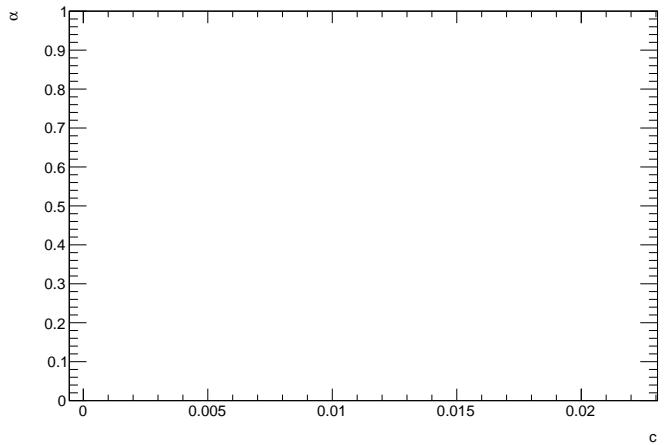
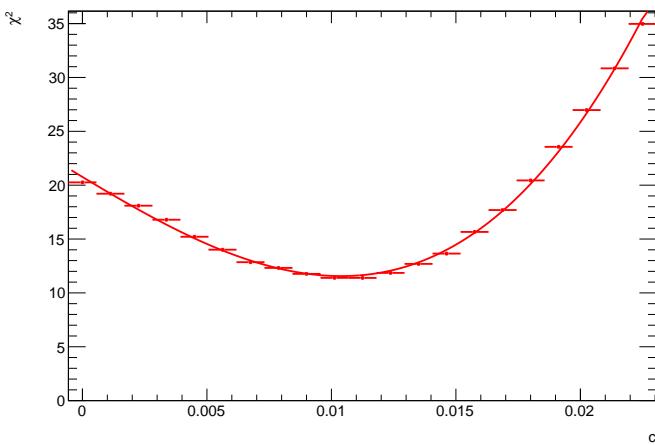
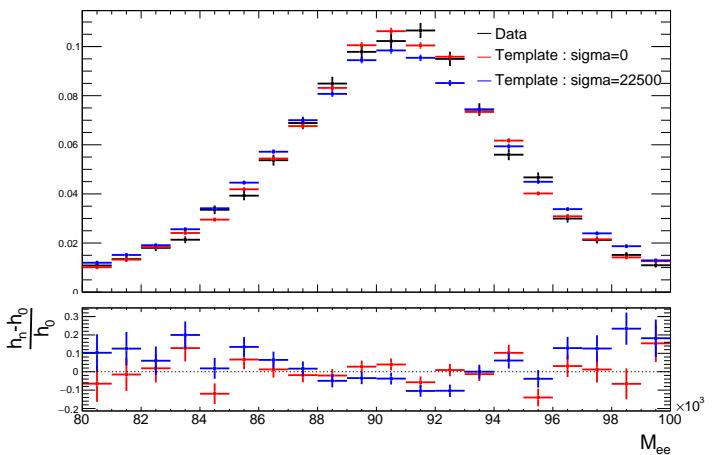
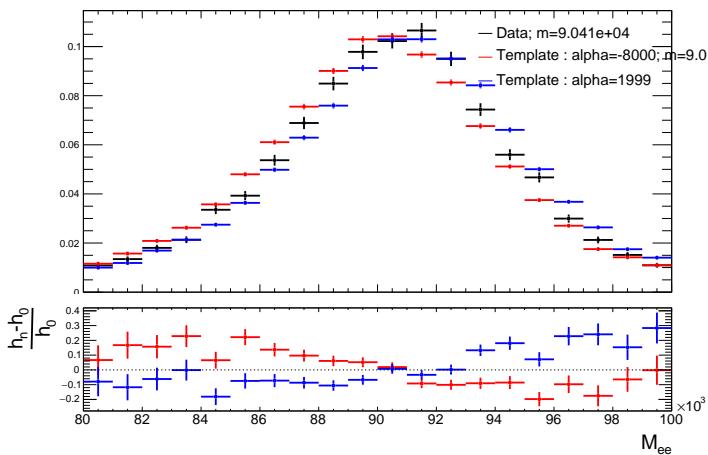
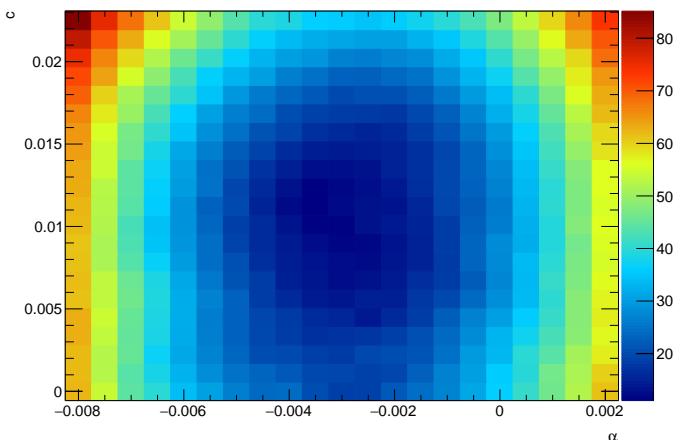
MCEvents : 86628

DataEvents : 12514

ThresholdMass : 63.3403

$$\alpha_{ij} = -0.00287567 \pm 0.000728884$$

$$\sigma_{ij} = 0.0103933 \pm 0.00276365$$



Results

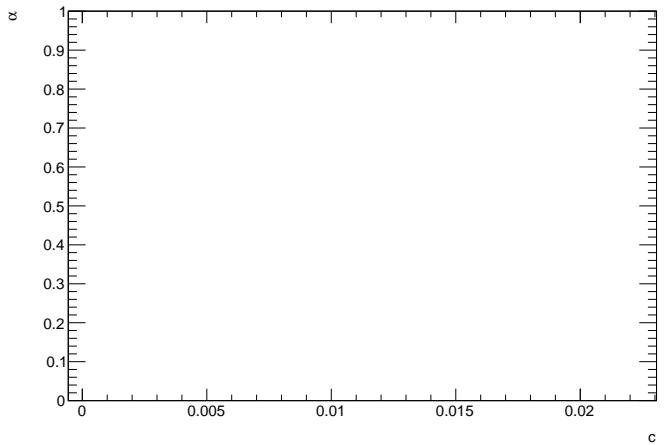
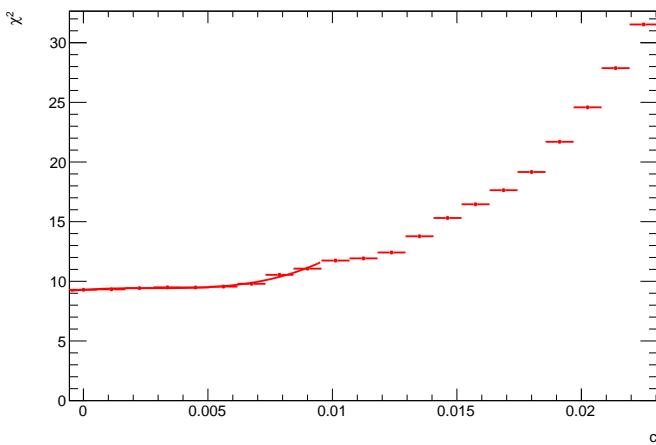
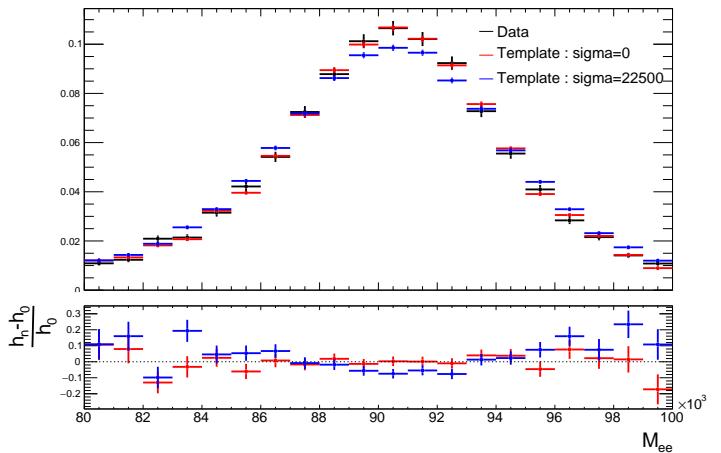
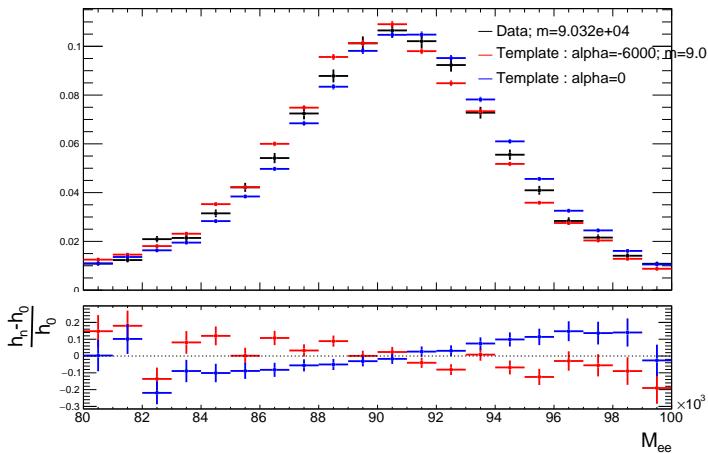
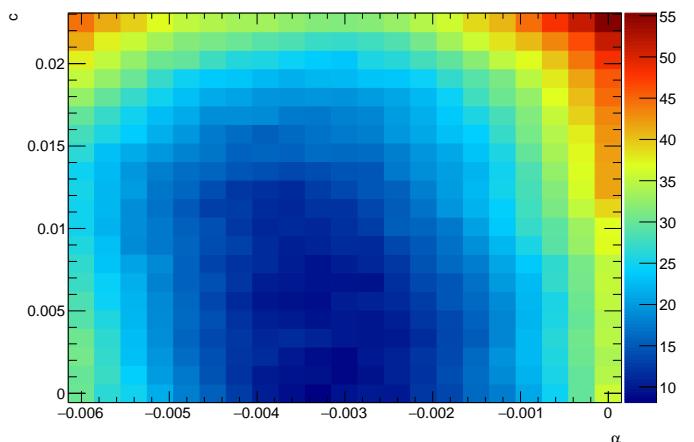
MCEvents : 93612

DataEvents : 14136

ThresholdMass : 60.3412

$$\alpha_{ij} = -0.00312352 \pm 0.000620526$$

$$\sigma_{ij} = 0.00271472 \pm 0.00526082$$



127 ChiMatrix_19_15

Results

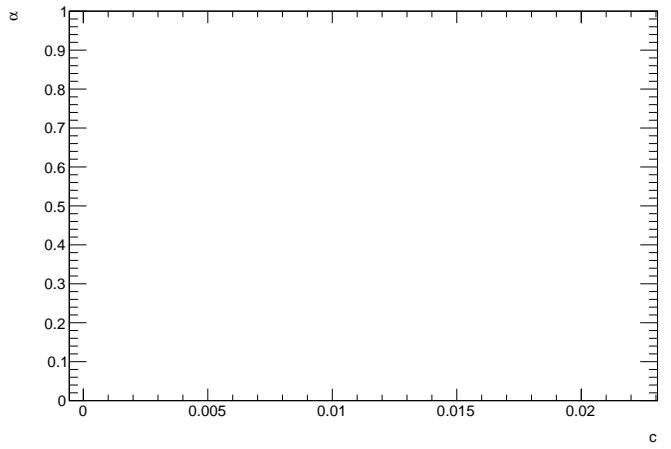
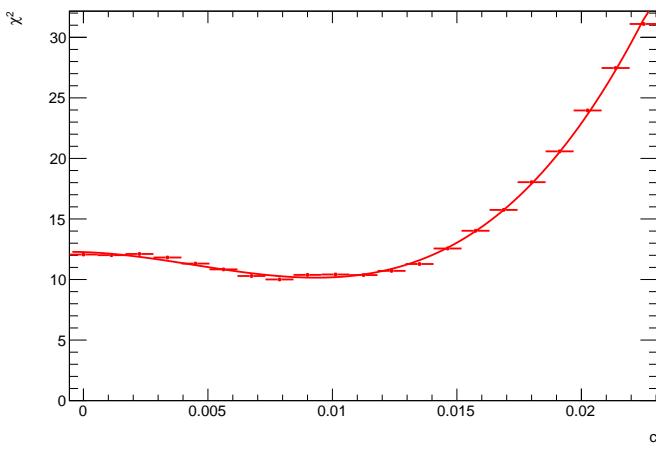
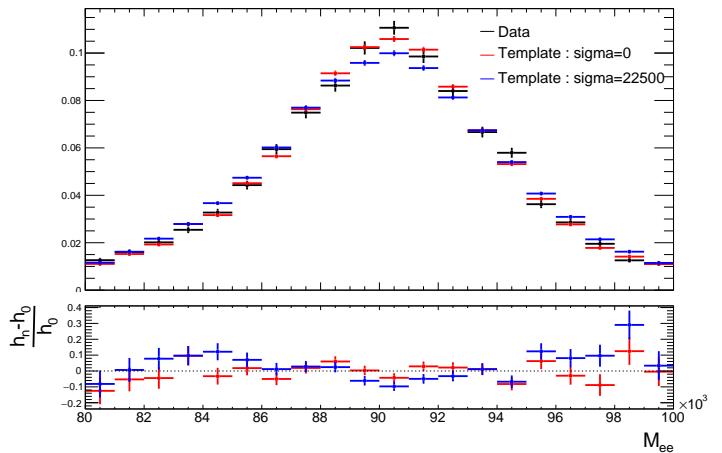
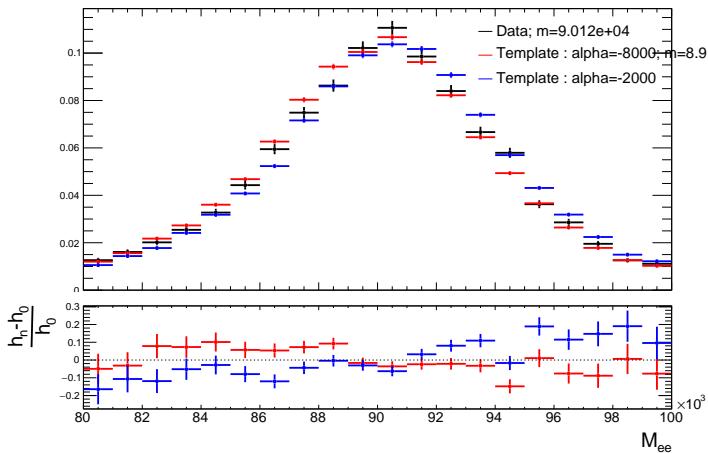
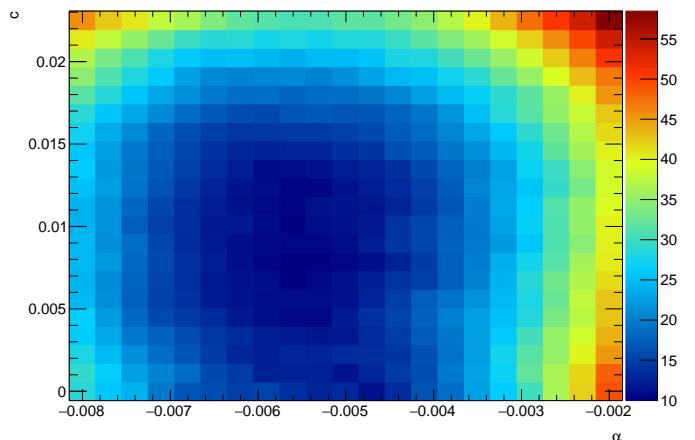
MCEvents : 97872

DataEvents : 14933

ThresholdMass : 57.9459

$$\alpha_{ij} = -0.005555773 \pm 0.000654348$$

$$\sigma_{ij} = 0.00934569 \pm 0.00351292$$



128 ChiMatrix_19_16

Results

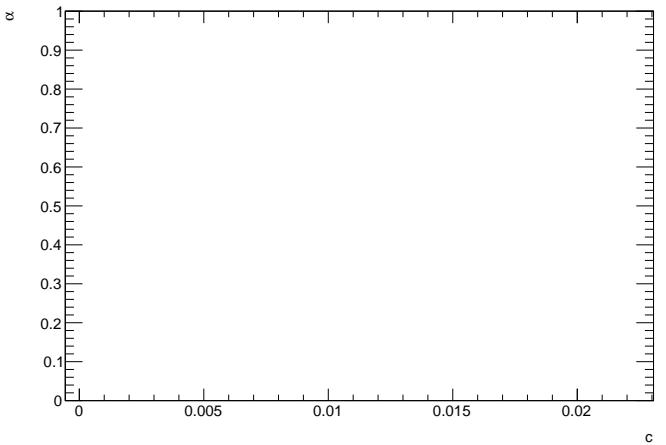
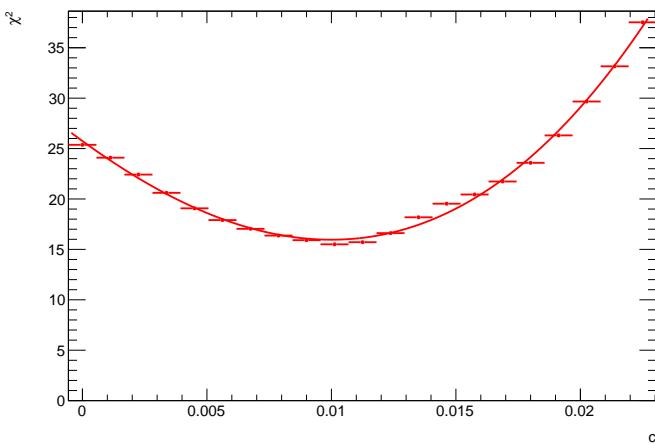
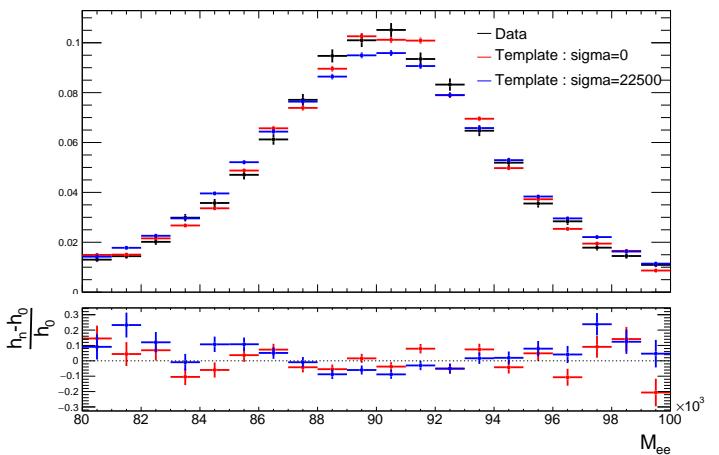
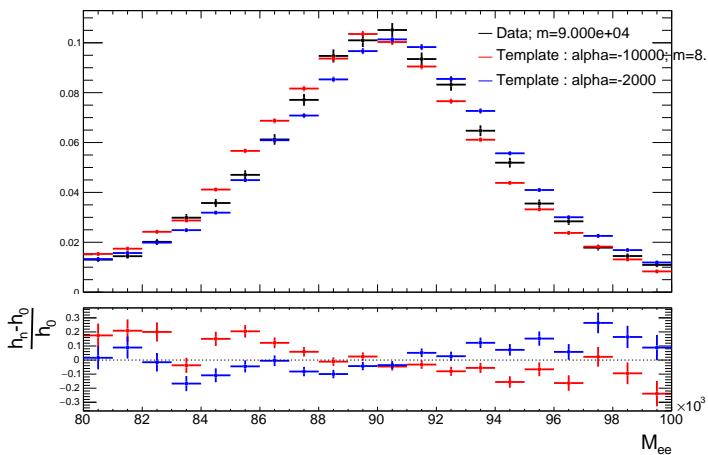
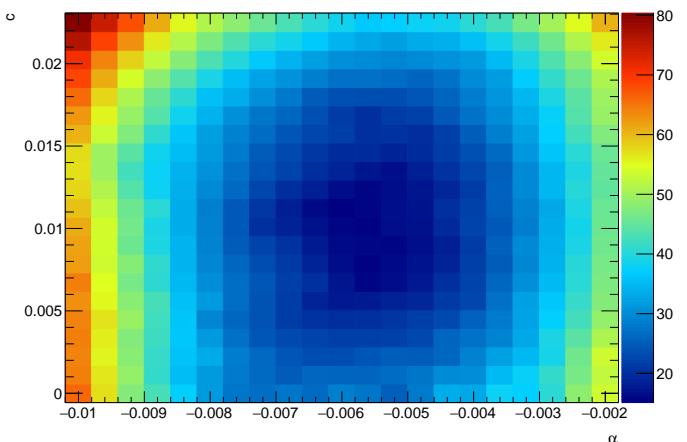
MCEvents : 100272

DataEvents : 15779

ThresholdMass : 56.1307

$$\alpha_{ij} = -0.00559503 \pm 0.000652725$$

$$\sigma_{ij} = 0.0099904 \pm 0.00289622$$



129 ChiMatrix_19_17

Results

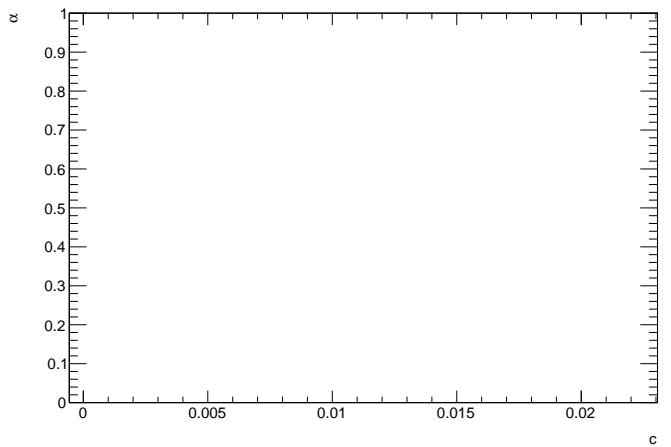
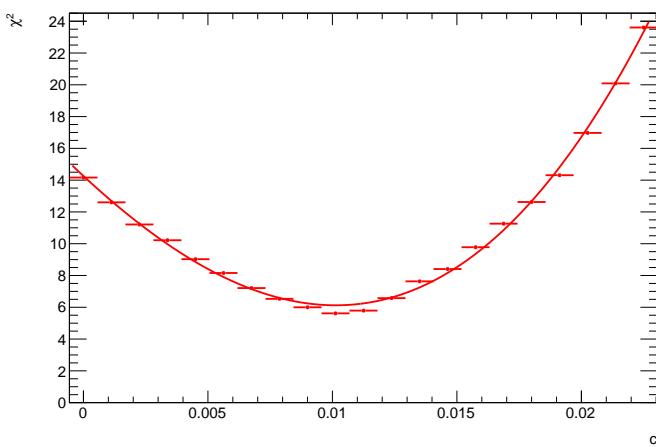
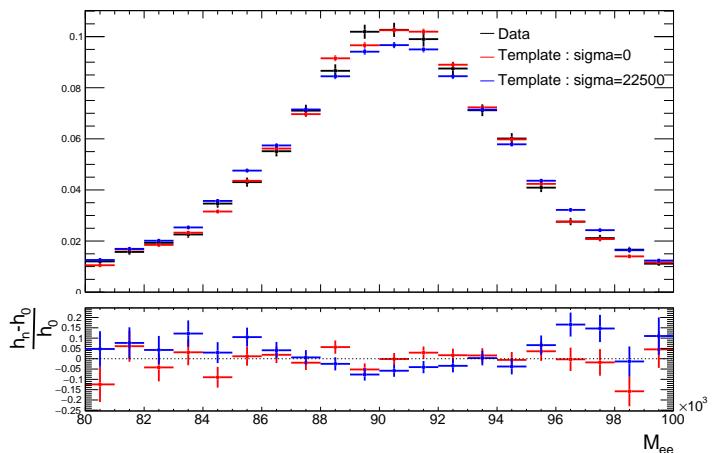
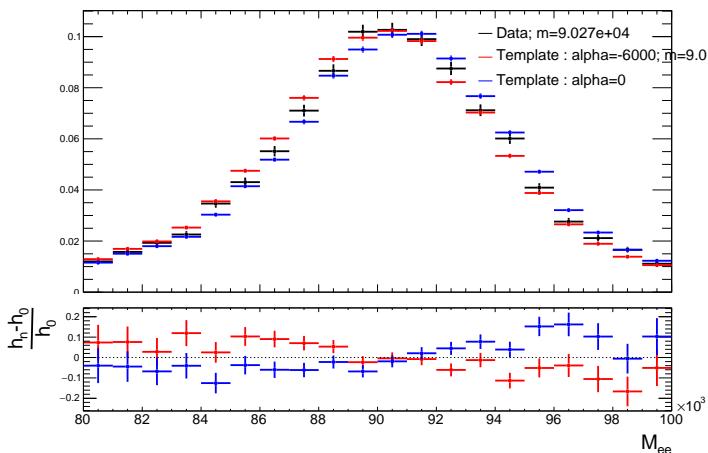
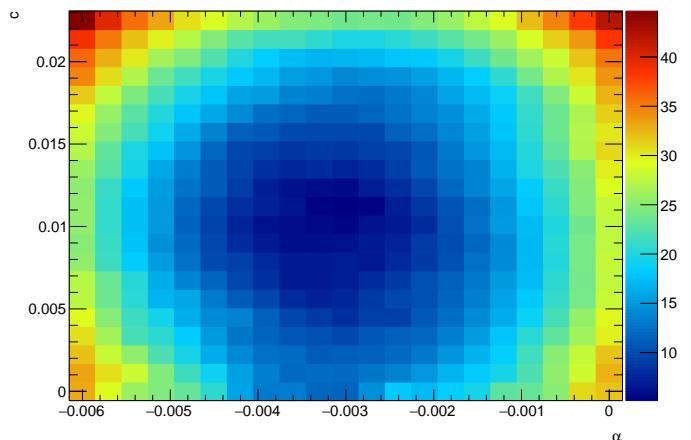
MCEvents : 98934

DataEvents : 15599

ThresholdMass : 54.8772

$$\alpha_{ij} = -0.00313308 \pm 0.000655798$$

$$\sigma_{ij} = 0.0101359 \pm 0.003178$$



Results

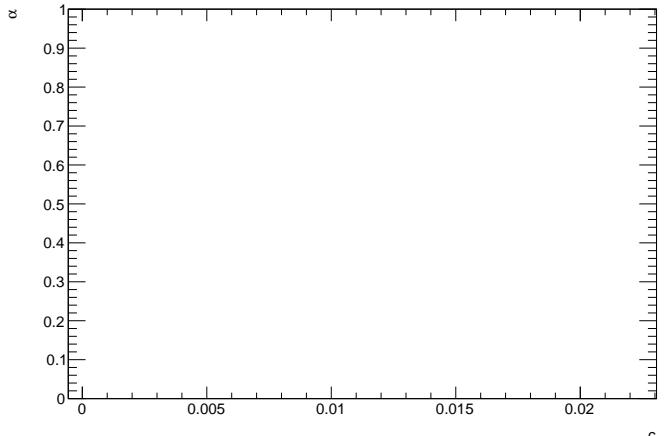
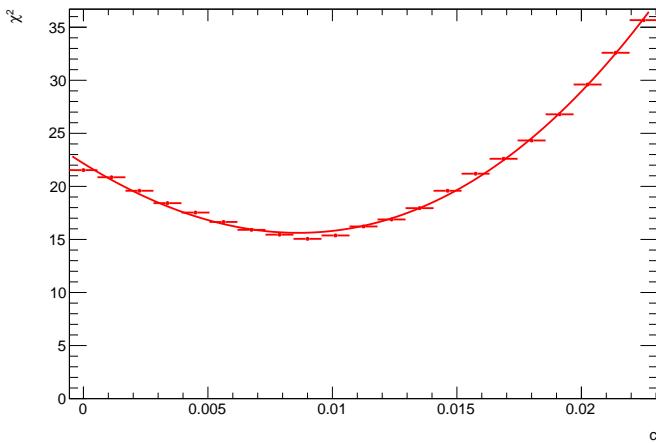
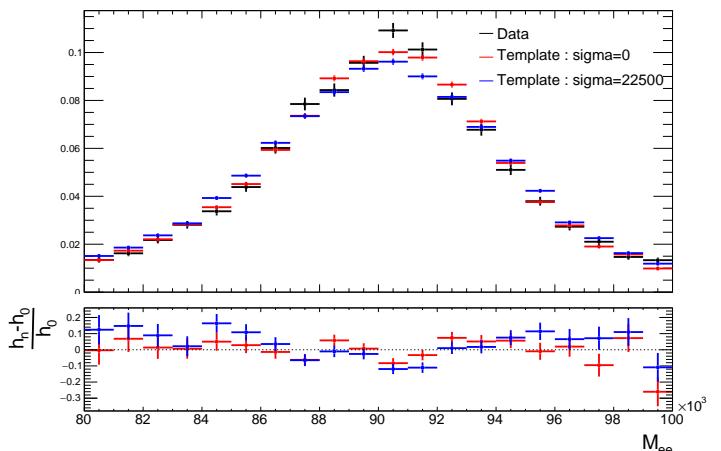
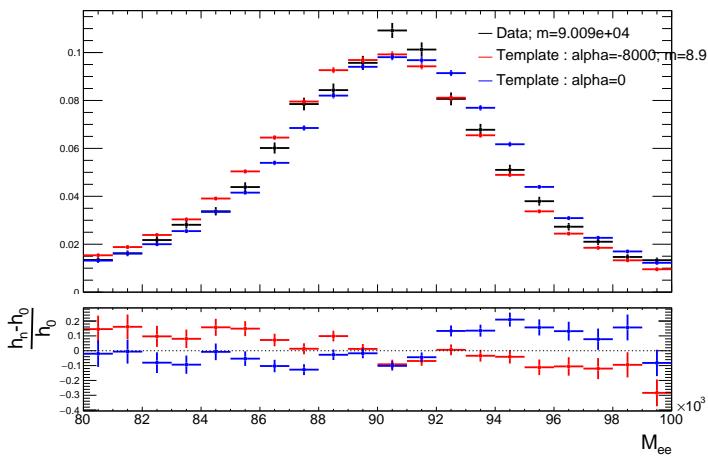
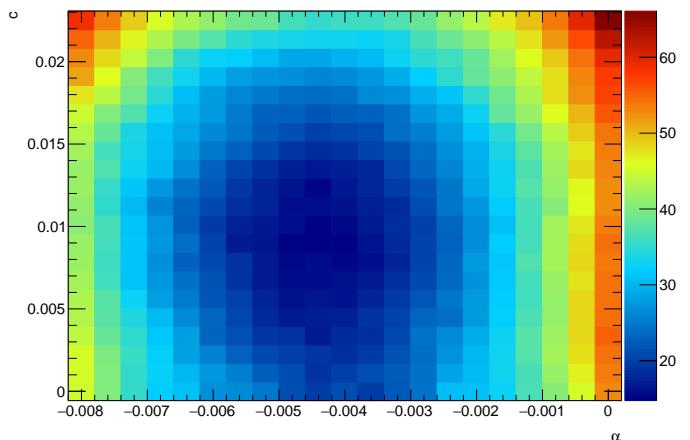
MCEvents : 83358

DataEvents : 12964

ThresholdMass : 54.2069

$$\alpha_{ij} = -0.00440277 \pm 0.000694334$$

$$\sigma_{ij} = 0.00862572 \pm 0.00321268$$



131 ChiMatrix_19_19

Results

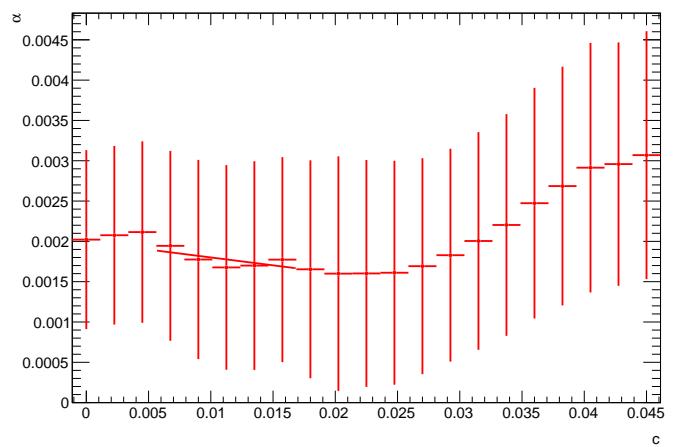
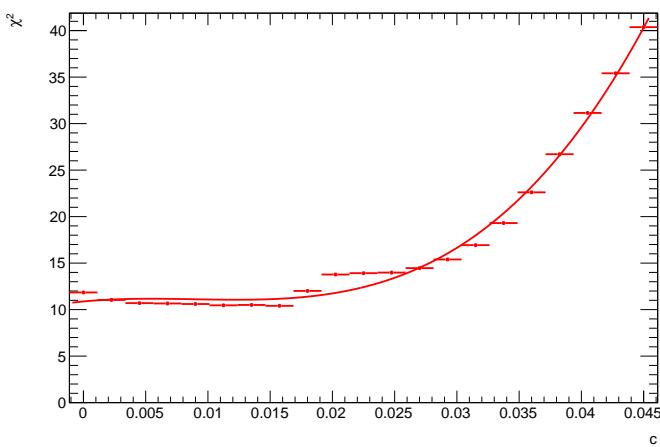
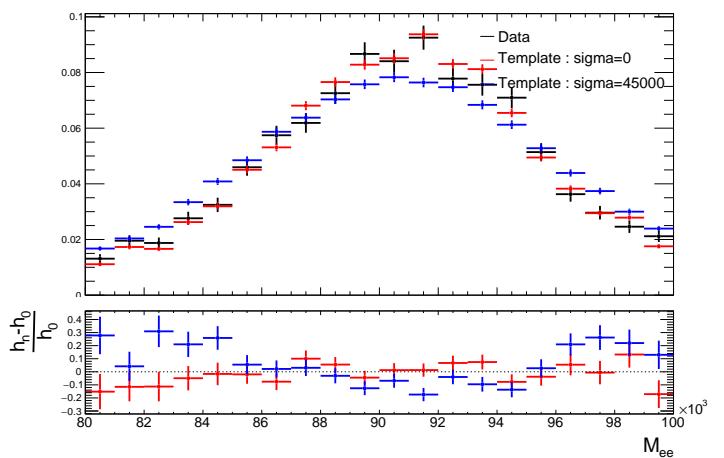
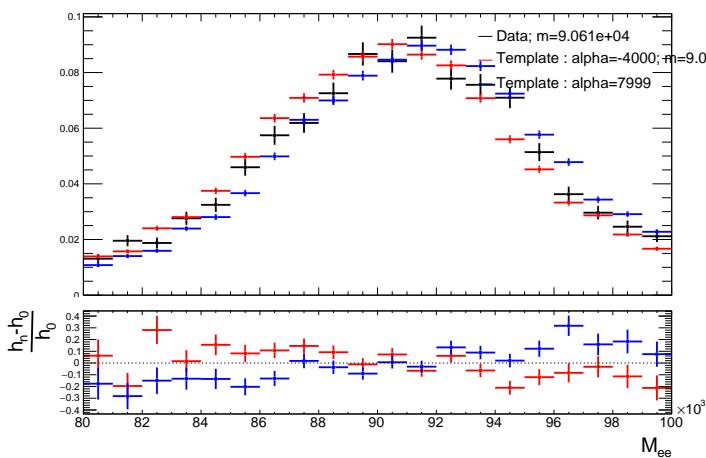
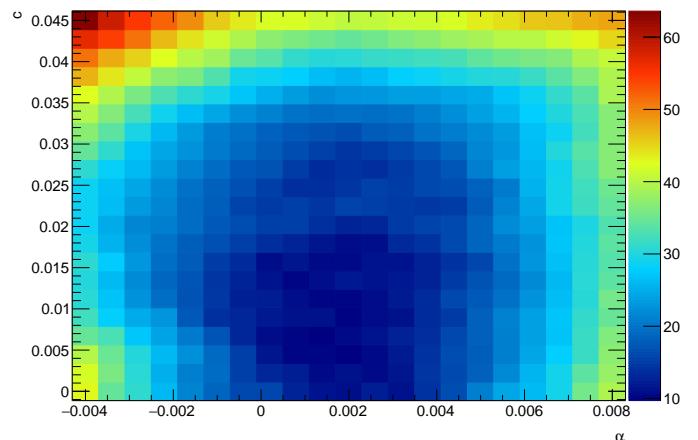
MCEvents : 38976

DataEvents : 5885

ThresholdMass : 54

$$\alpha_{ij} = 0.00175529 \pm 0.00126937$$

$$\sigma_{ij} = 0.0123188 \pm 0.00900453$$



132 ChiMatrix_20_13

Results

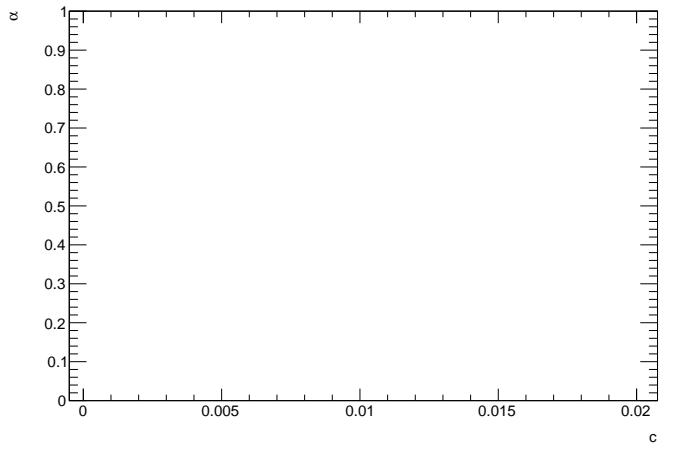
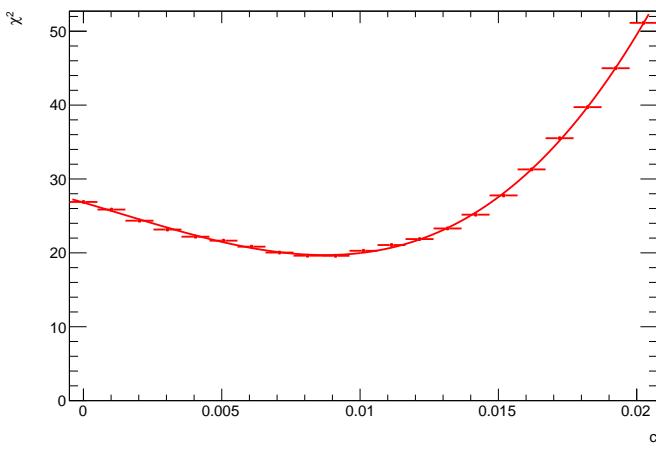
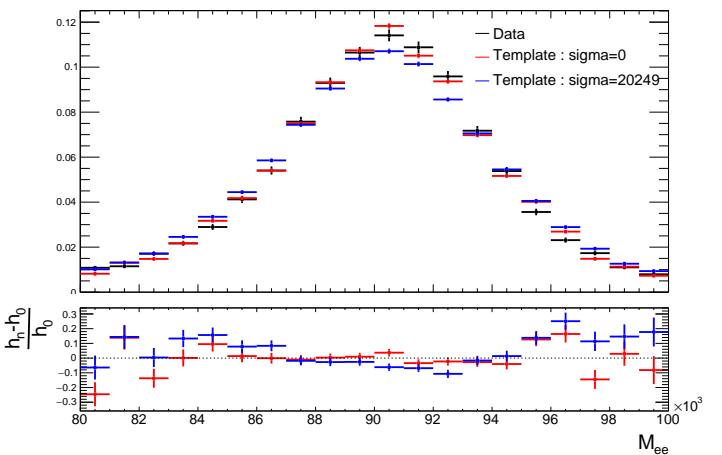
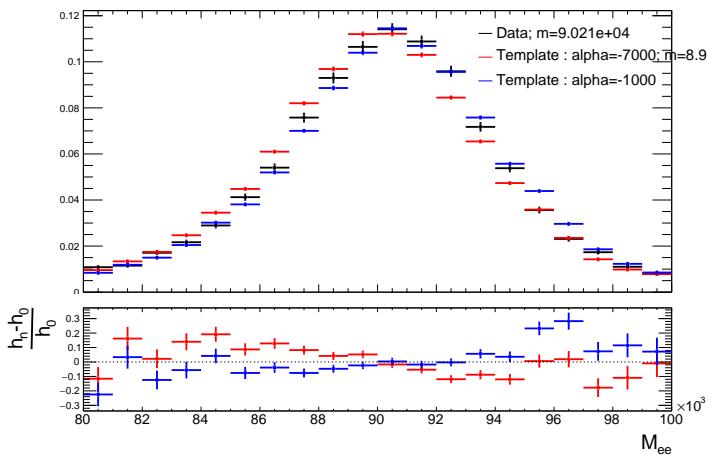
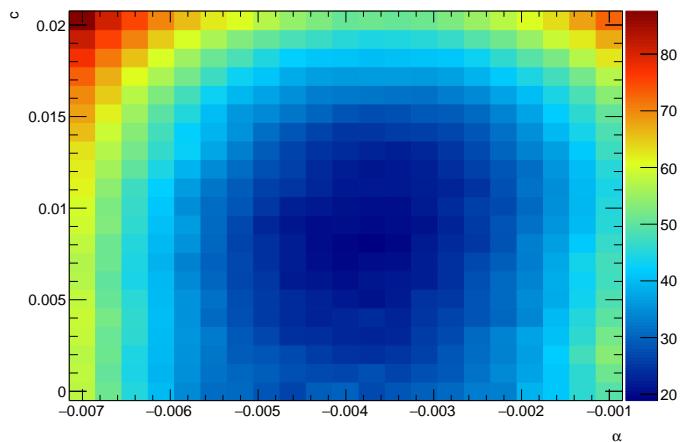
MCEvents : 117126

DataEvents : 18351

ThresholdMass : 67.2724

$$\alpha_{ij} = -0.00372941 \pm 0.000523901$$

$$\sigma_{ij} = 0.00872292 \pm 0.00241049$$



133 ChiMatrix_20_14

Results

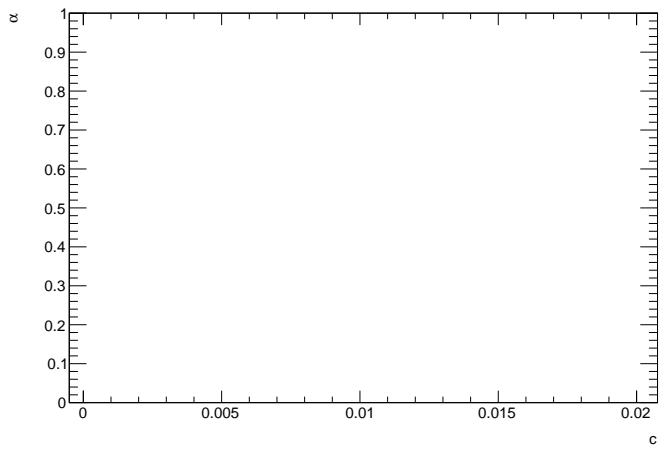
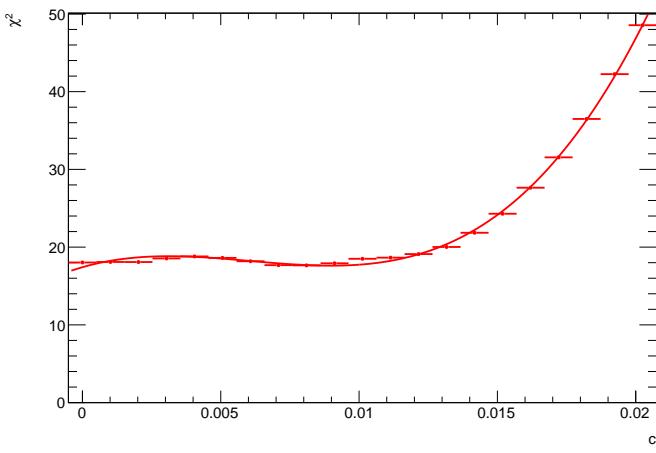
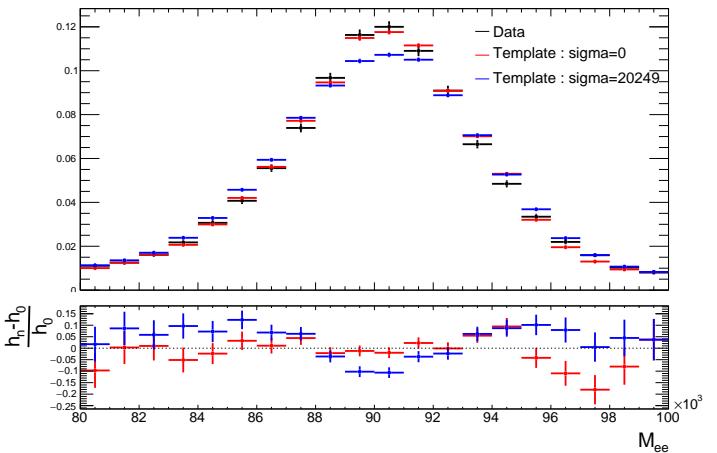
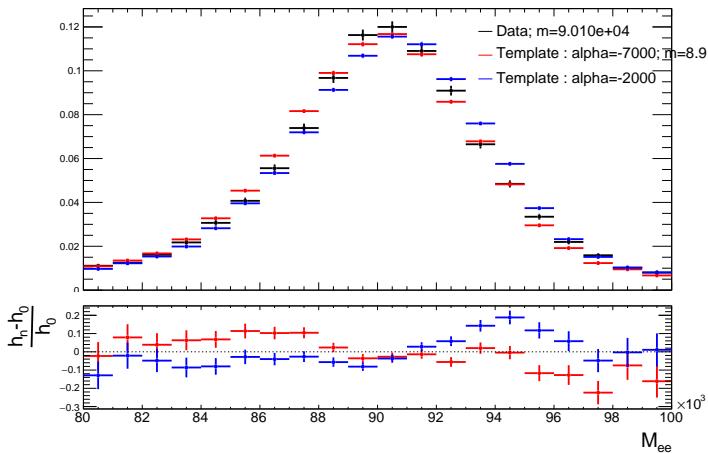
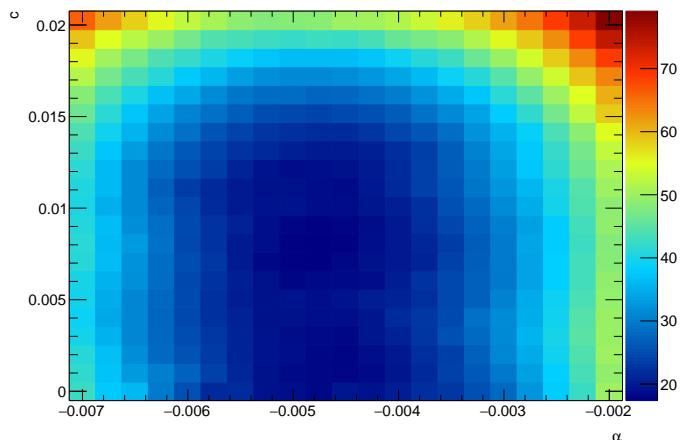
MCEvents : 129558

DataEvents : 20677

ThresholdMass : 63.5904

$$\alpha_{ij} = -0.00470714 \pm 0.000481717$$

$$\sigma_{ij} = 0.00897527 \pm 0.0026792$$



134 ChiMatrix_20_15

Results

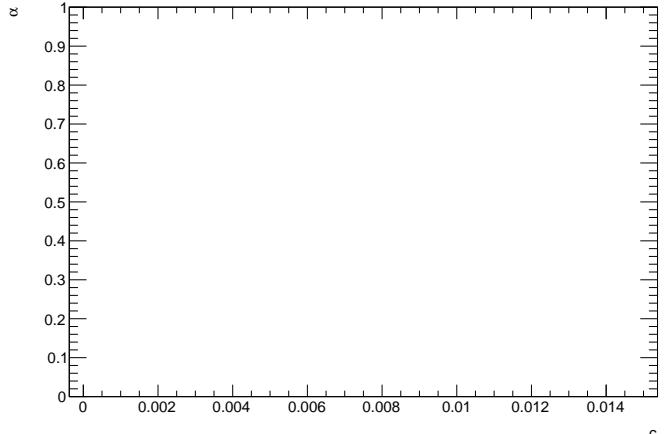
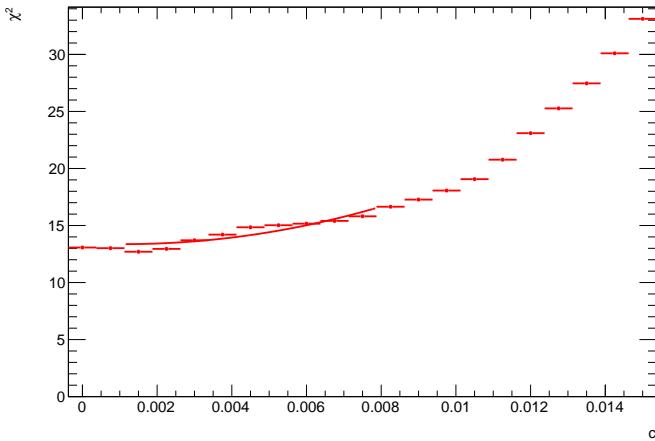
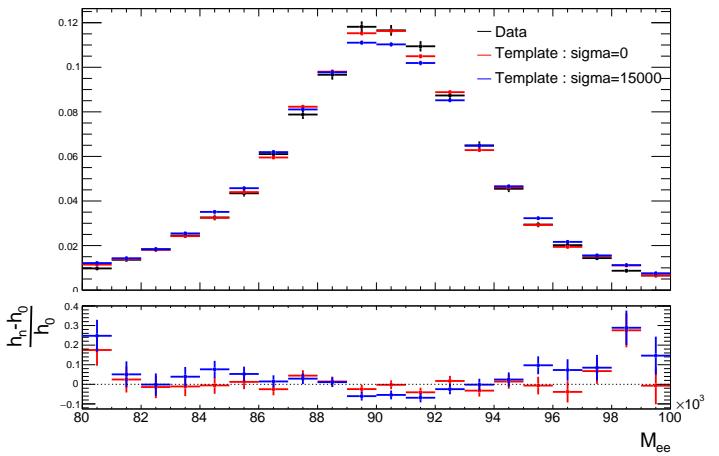
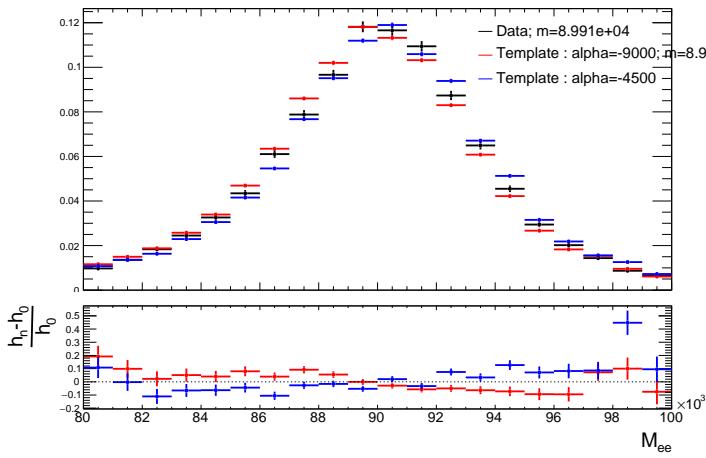
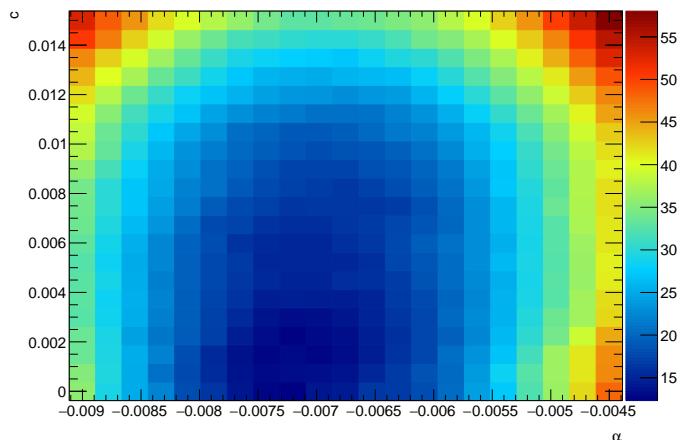
MCEvents : 138054

DataEvents : 22467

ThresholdMass : 60.5448

$$\alpha_{ij} = -0.00703148 \pm 0.000431836$$

$$\sigma_{ij} = 0.001125 \pm 0.00378864$$



135 ChiMatrix_20_16

Results

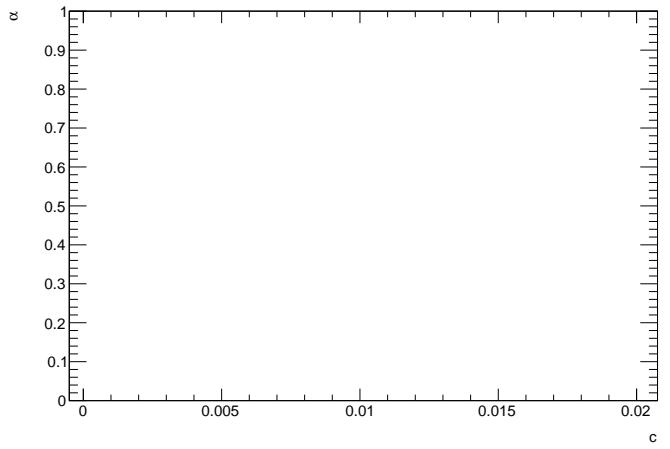
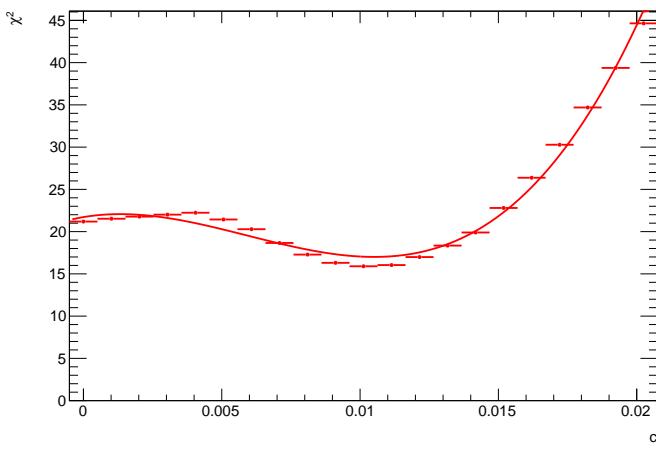
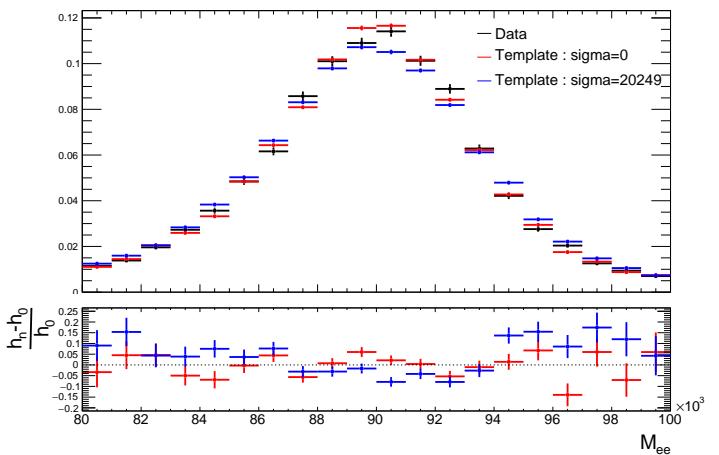
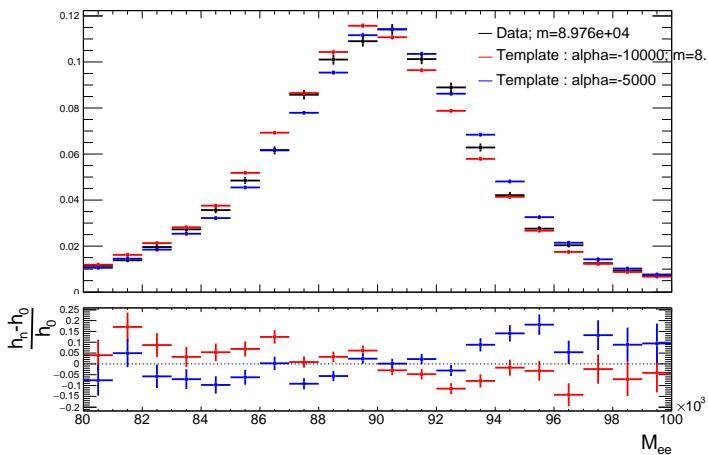
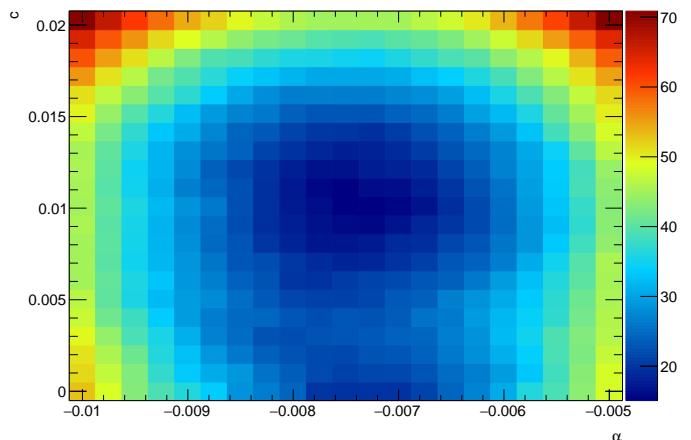
MCEvents : 142464

DataEvents : 23409

ThresholdMass : 58.1052

$$\alpha_{ij} = -0.00744234 \pm 0.000464974$$

$$\sigma_{ij} = 0.0105113 \pm 0.0021873$$



Results

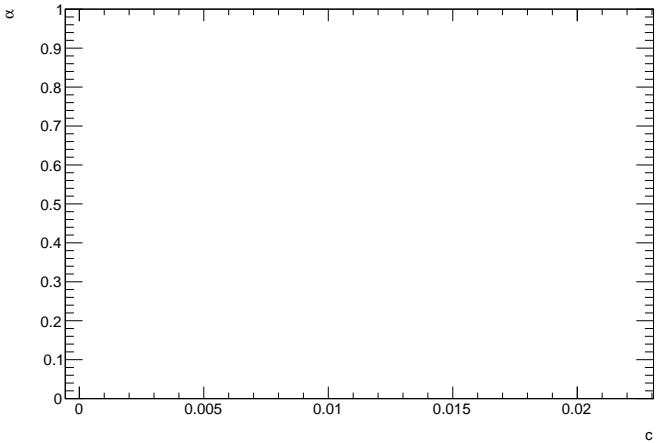
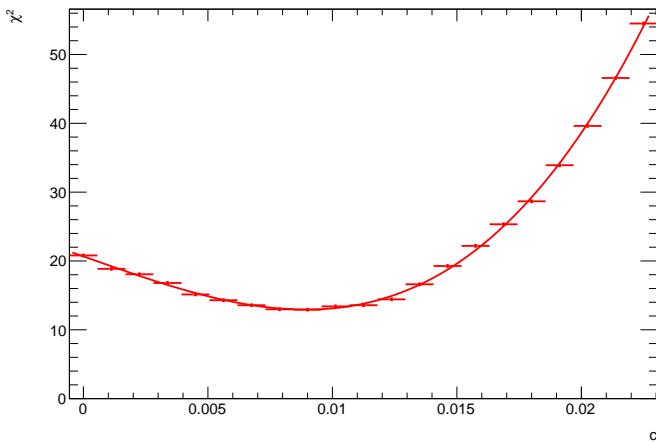
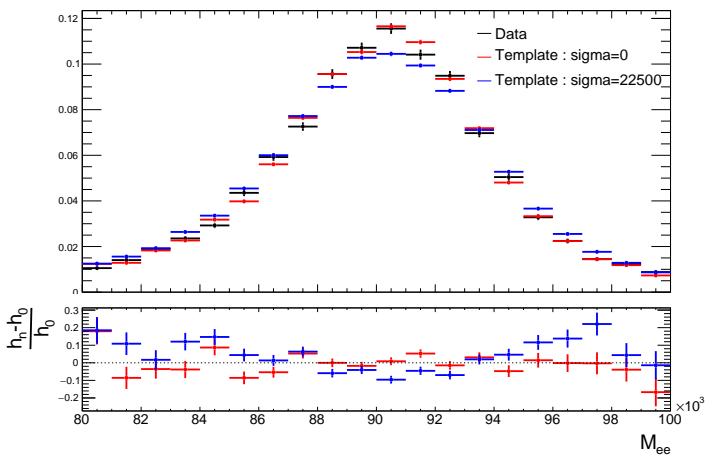
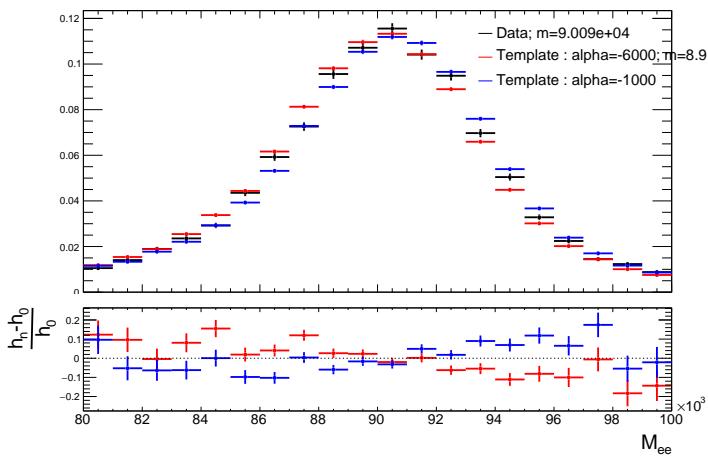
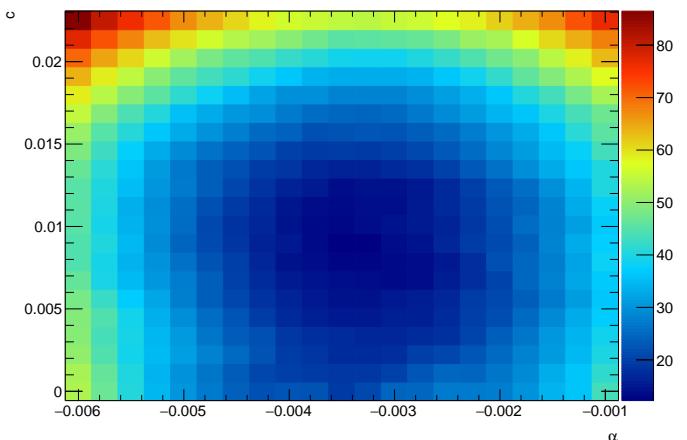
MCEvents : 143946

DataEvents : 24176

ThresholdMass : 56.2471

$$\alpha_{ij} = -0.00333073 \pm 0.000468358$$

$$\sigma_{ij} = 0.00893581 \pm 0.00248838$$



Results

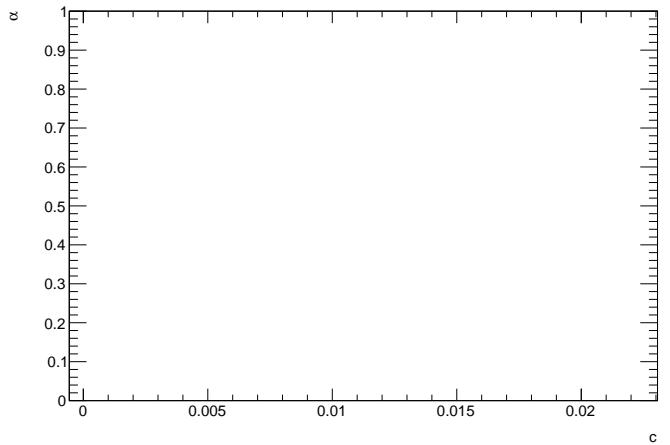
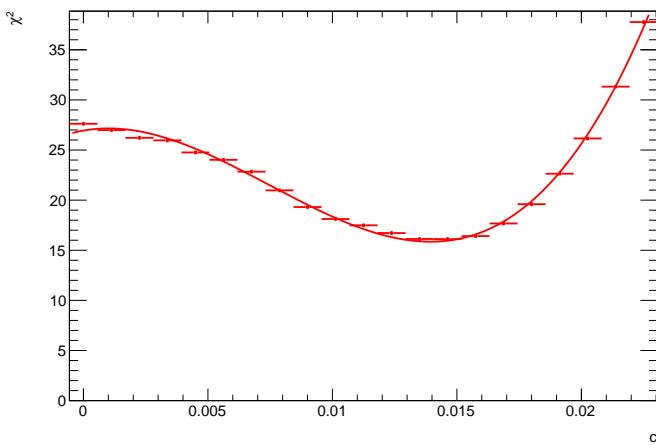
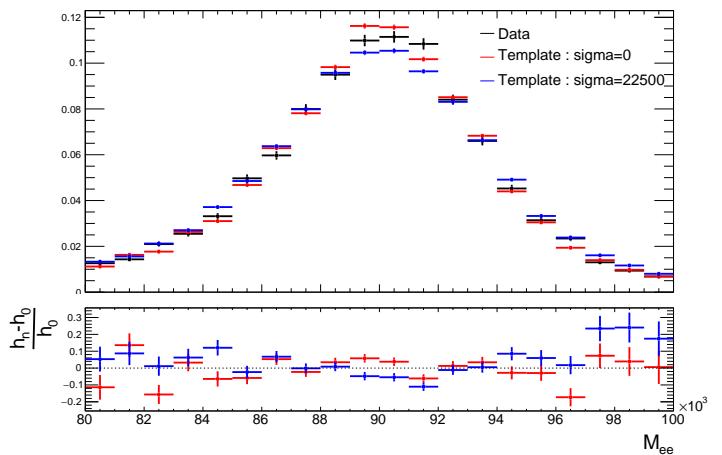
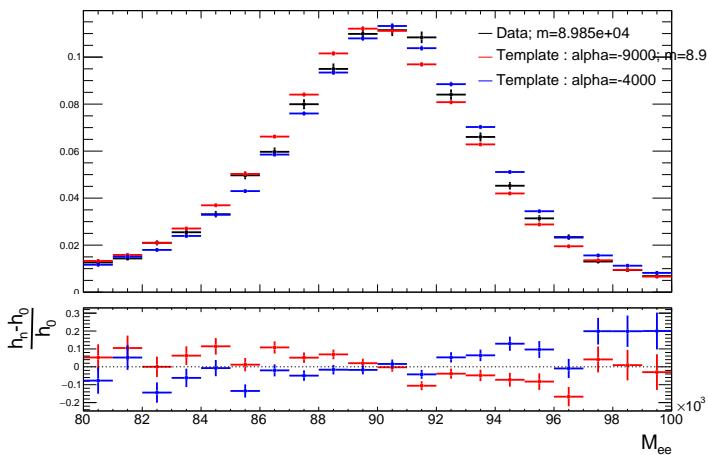
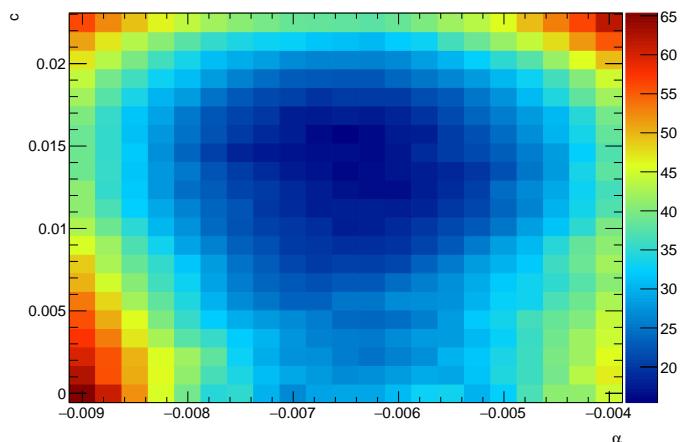
MCEvents : 122640

DataEvents : 20191

ThresholdMass : 55.0299

$$\alpha_{ij} = -0.00643183 \pm 0.000532319$$

$$\sigma_{ij} = 0.0139381 \pm 0.00210847$$



Results

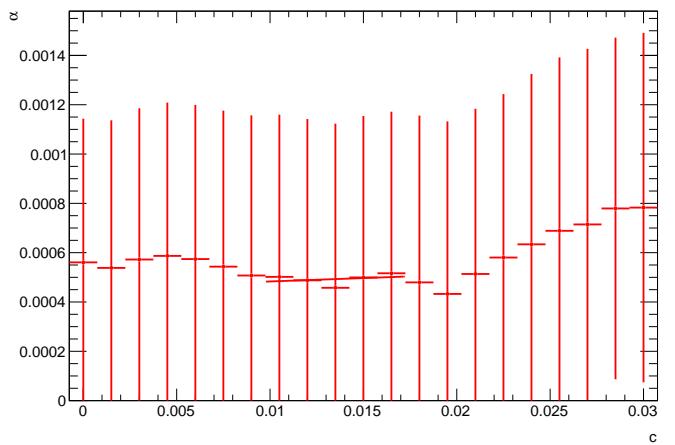
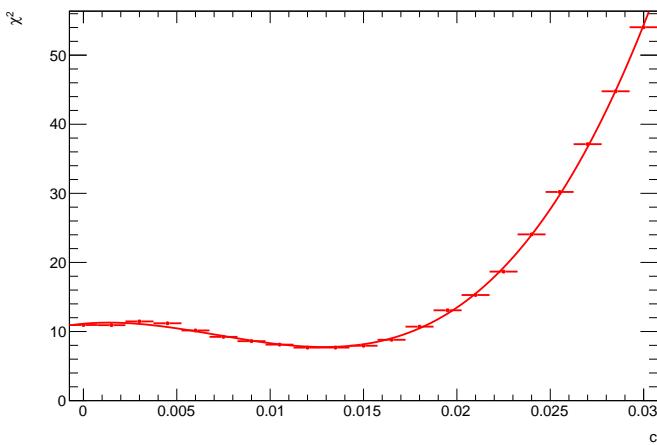
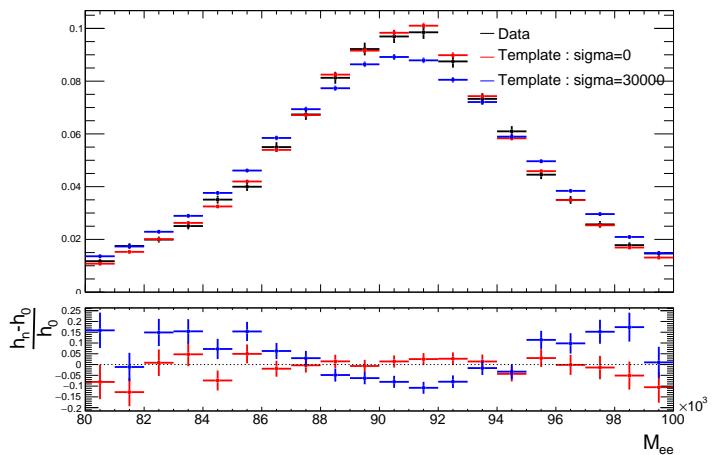
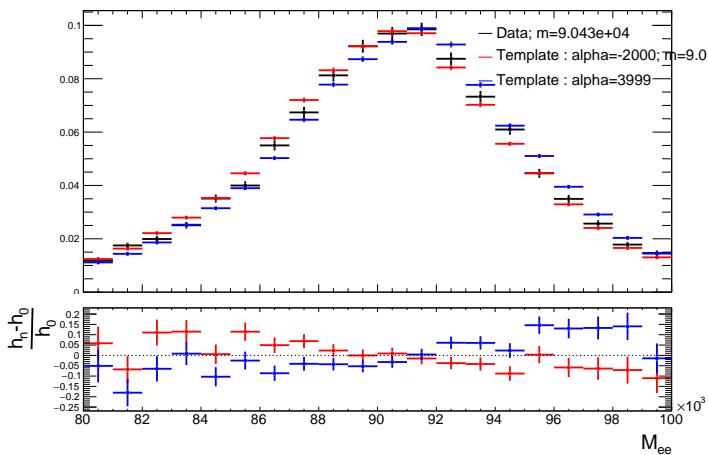
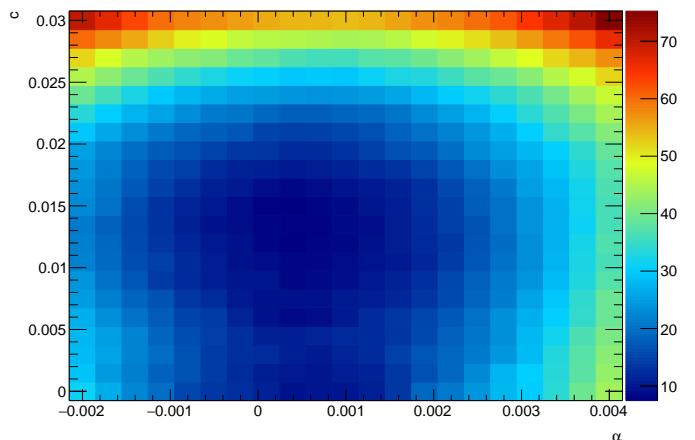
MCEvents : 113760

DataEvents : 18318

ThresholdMass : 54.3123

$$\alpha_{ij} = 0.000491146 \pm 0.000665763$$

$$\sigma_{ij} = 0.0128851 \pm 0.00324717$$



139 ChiMatrix_20_20

Results

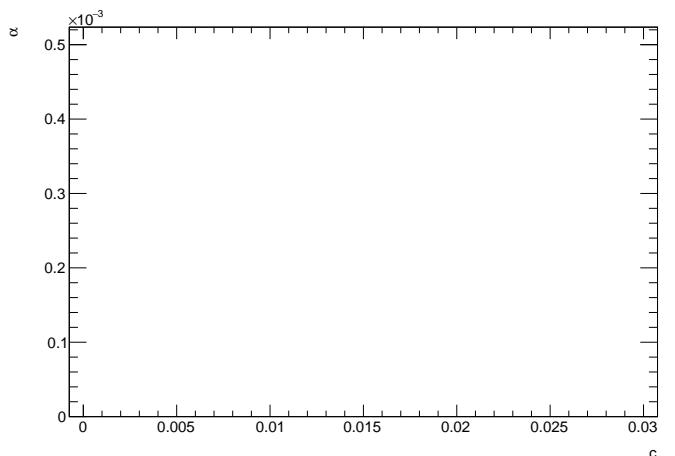
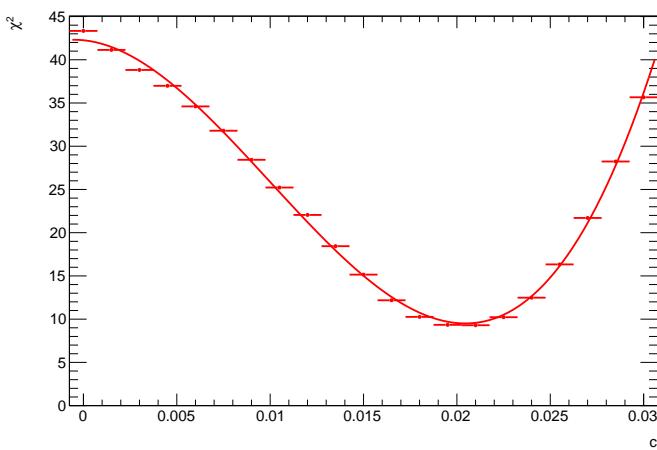
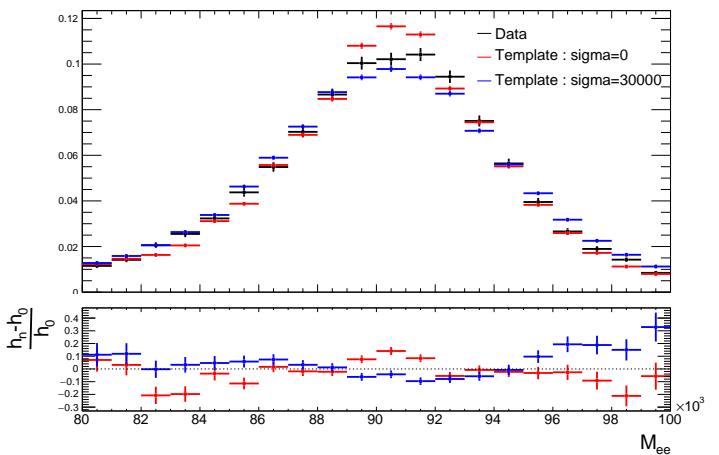
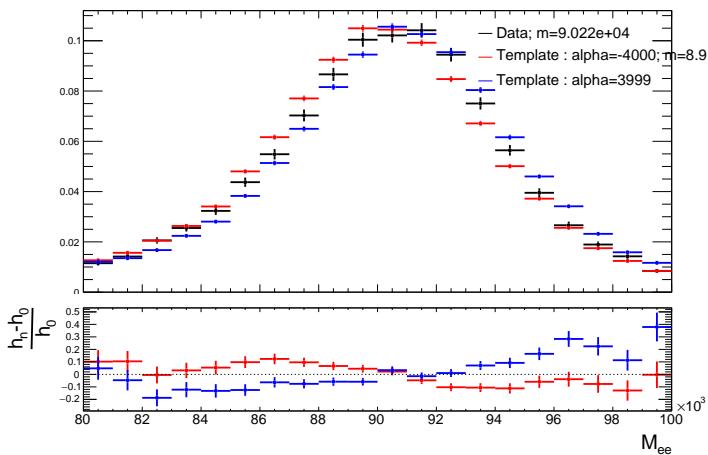
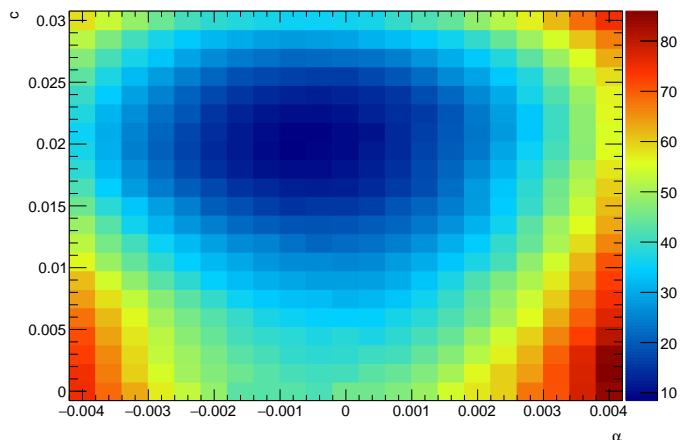
MCEvents : 84372

DataEvents : 14648

ThresholdMass : 54

$$\alpha_{ij} = -0.000526375 \pm 0.000667358$$

$$\sigma_{ij} = 0.0204519 \pm 0.00204528$$



Results

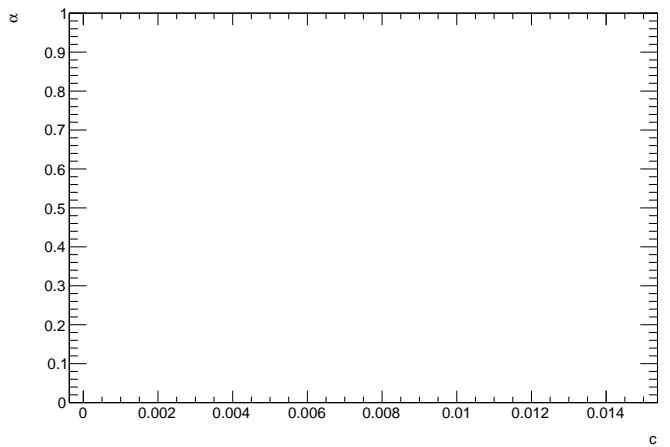
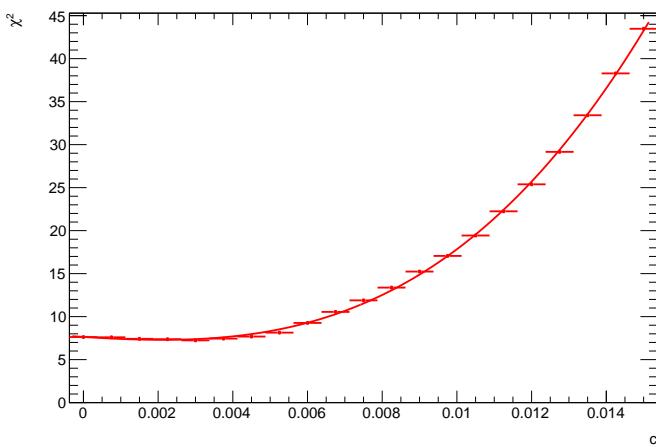
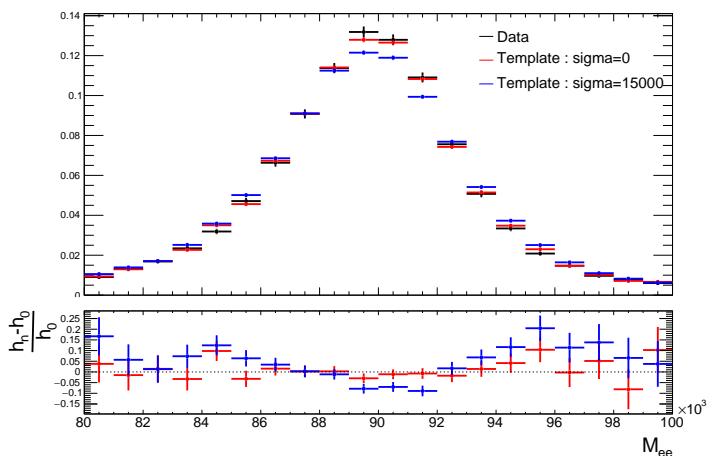
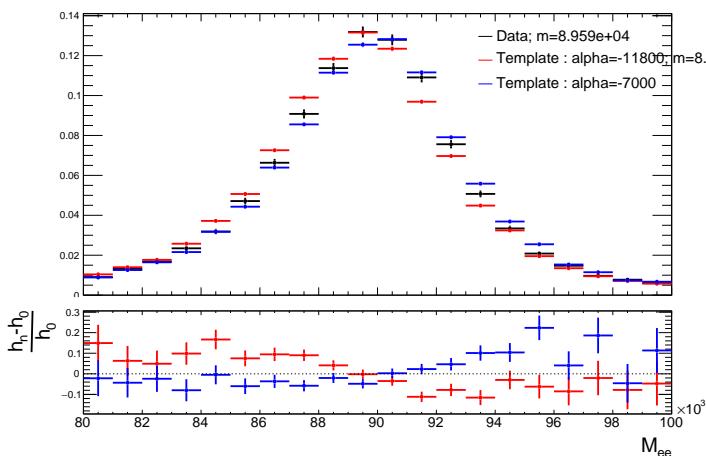
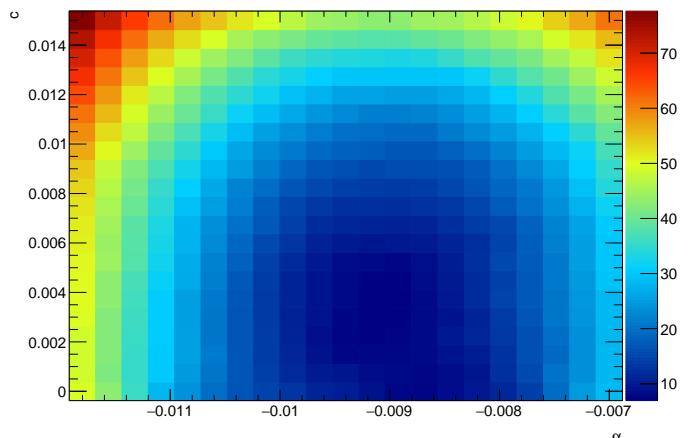
MCEvents : 122760

DataEvents : 19144

ThresholdMass : 68.8245

$$\alpha_{ij} = -0.00900407 \pm 0.000433051$$

$$\sigma_{ij} = 0.00211822 \pm 0.00285946$$



141 ChiMatrix_21_15

Results

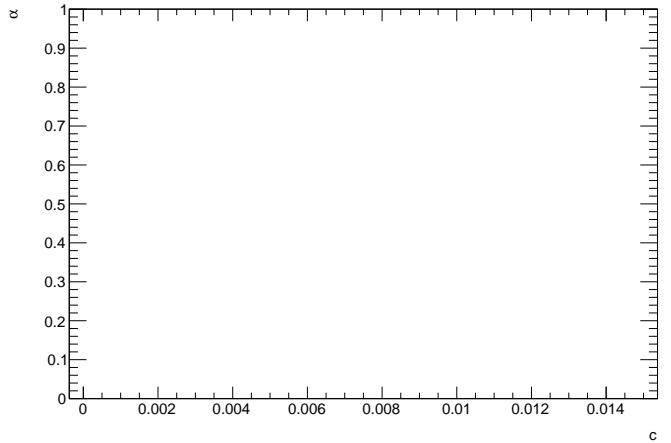
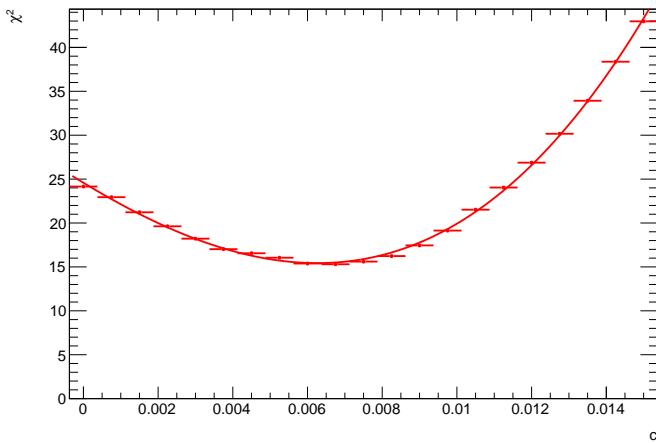
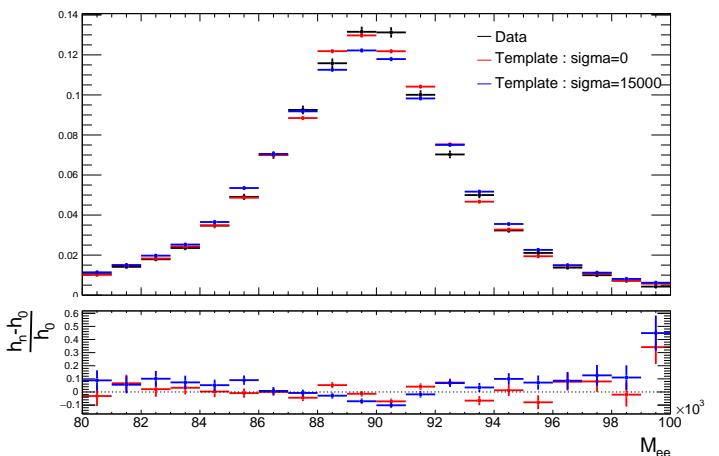
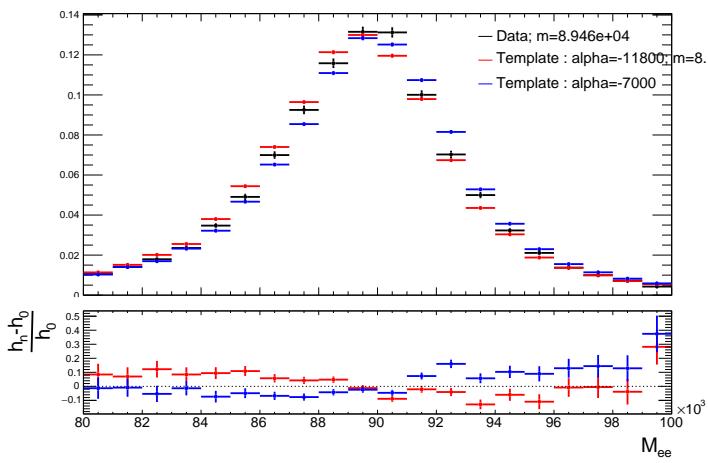
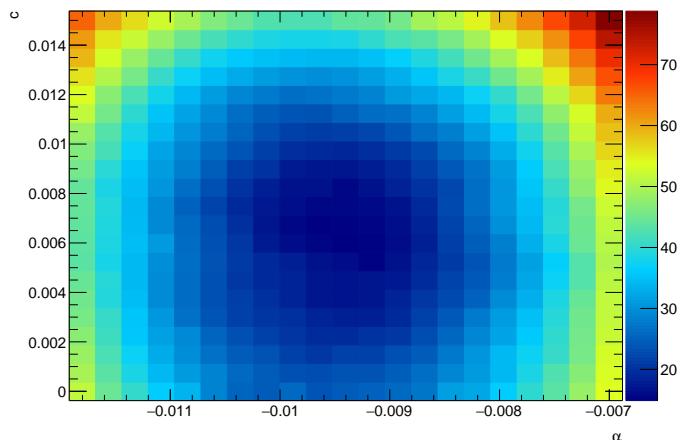
MCEvents : 136134

DataEvents : 21879

ThresholdMass : 64.8947

$$\alpha_{ij} = -0.00950736 \pm 0.00042029$$

$$\sigma_{ij} = 0.00626243 \pm 0.00181206$$



Results

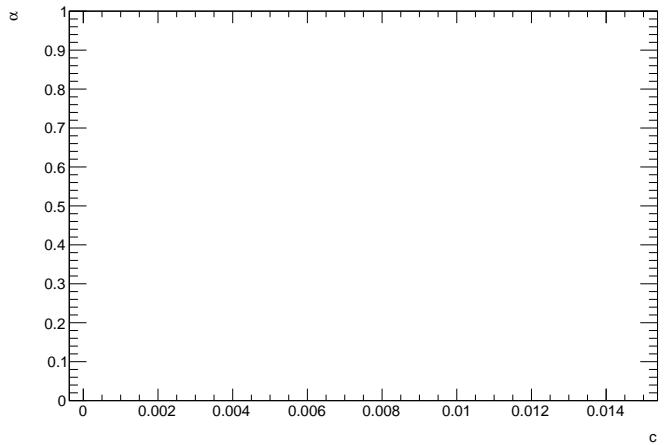
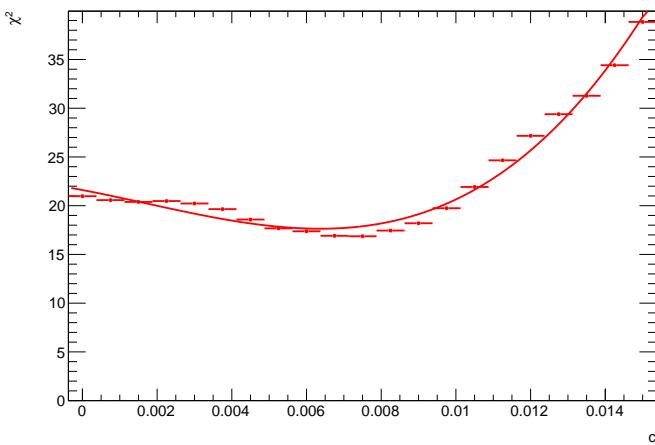
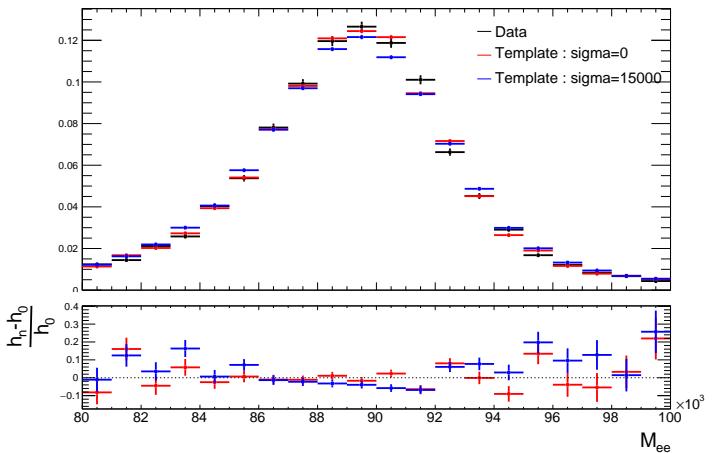
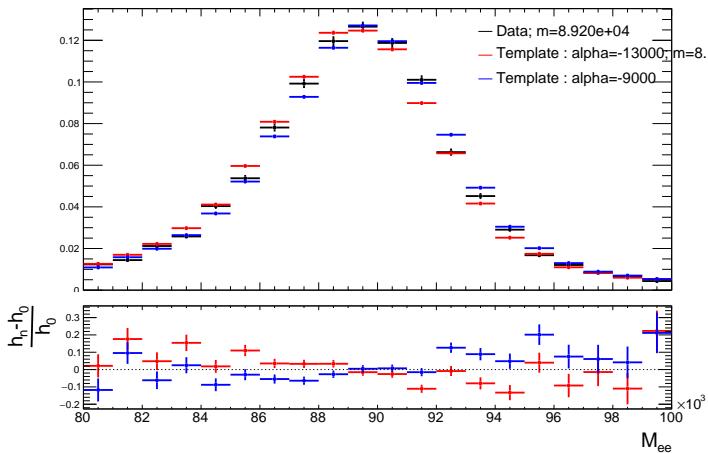
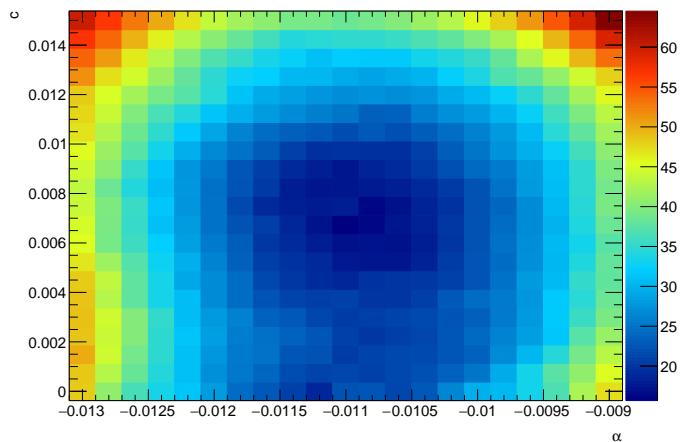
MCEvents : 145032

DataEvents : 24016

ThresholdMass : 61.6144

$$\alpha_{ij} = -0.0108614 \pm 0.000407577$$

$$\sigma_{ij} = 0.00636031 \pm 0.00219095$$



143 ChiMatrix_21_17

Results

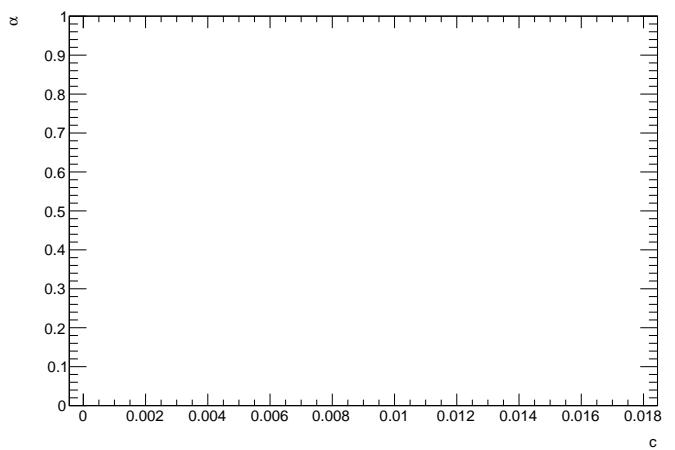
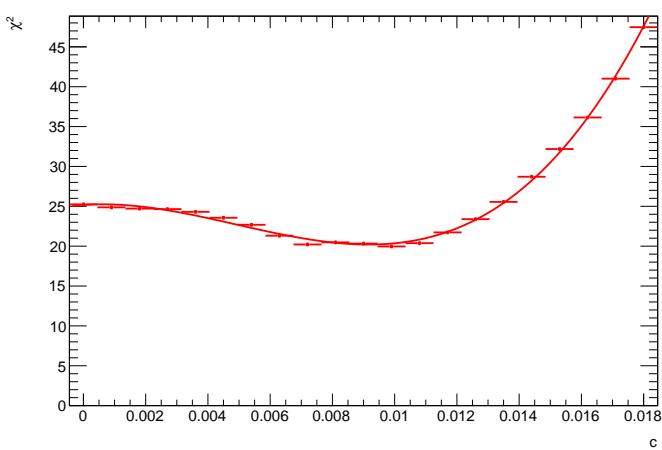
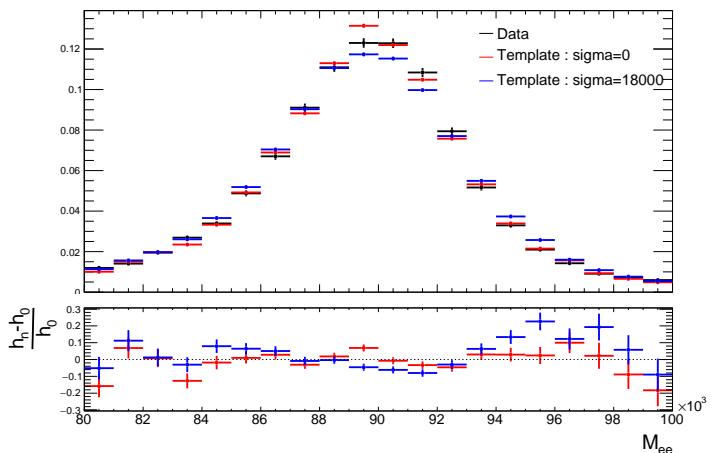
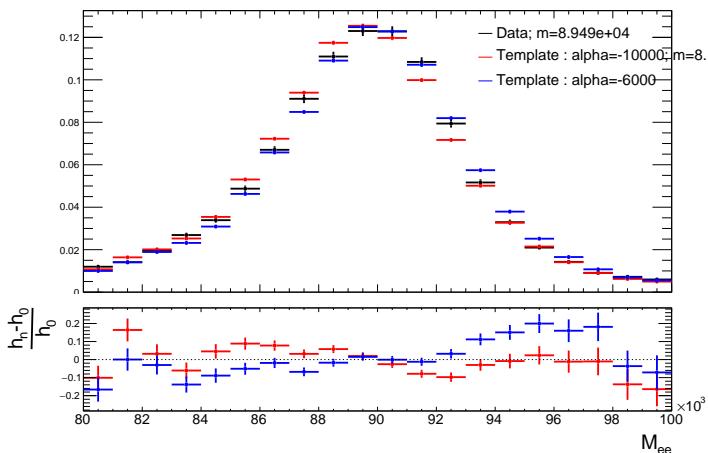
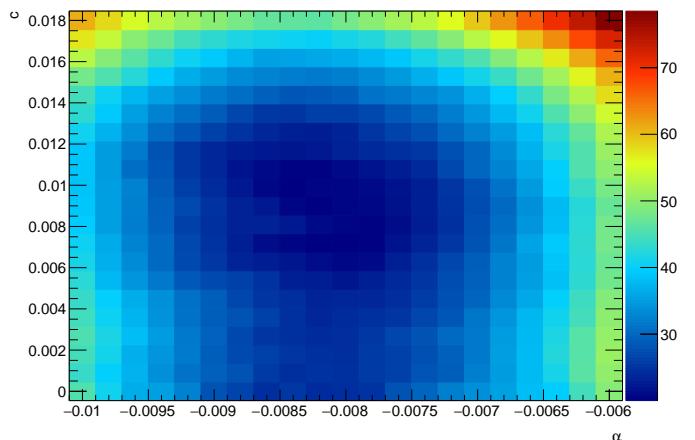
MCEvents : 150402

DataEvents : 24885

ThresholdMass : 58.9507

$$\alpha_{ij} = -0.00818309 \pm 0.000418855$$

$$\sigma_{ij} = 0.00916765 \pm 0.00203845$$



Results

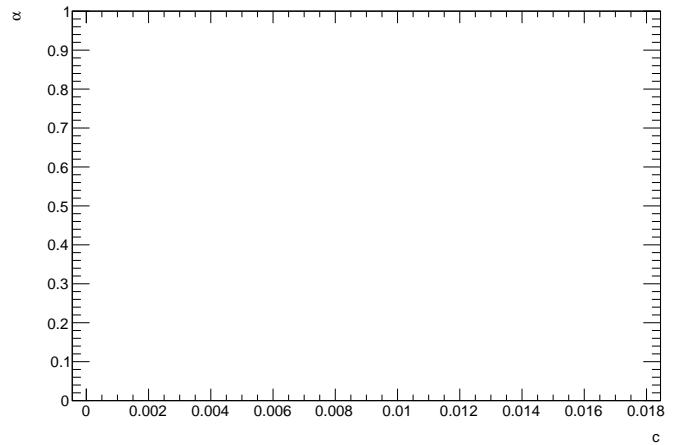
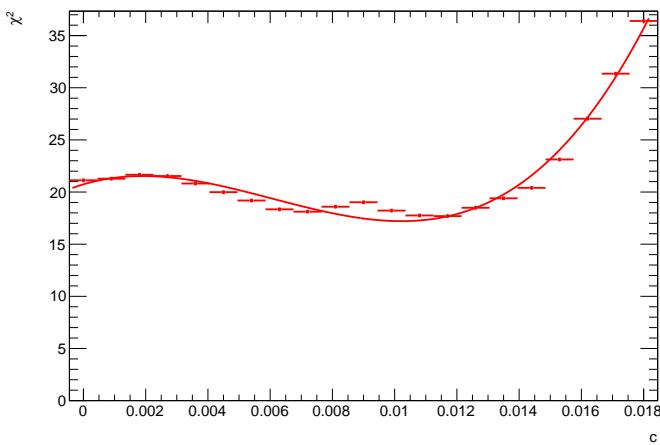
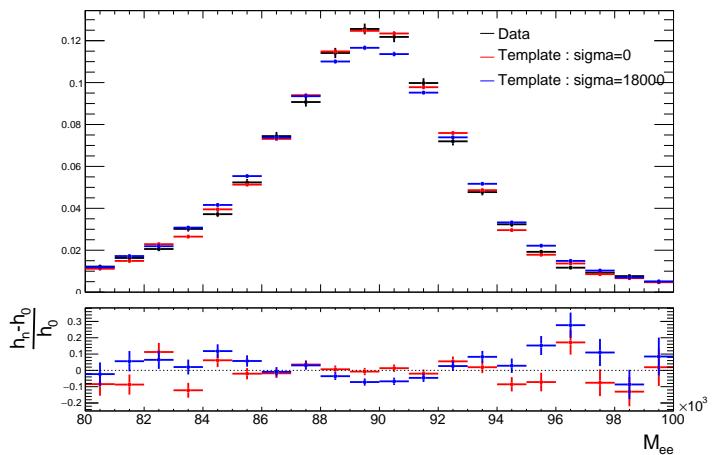
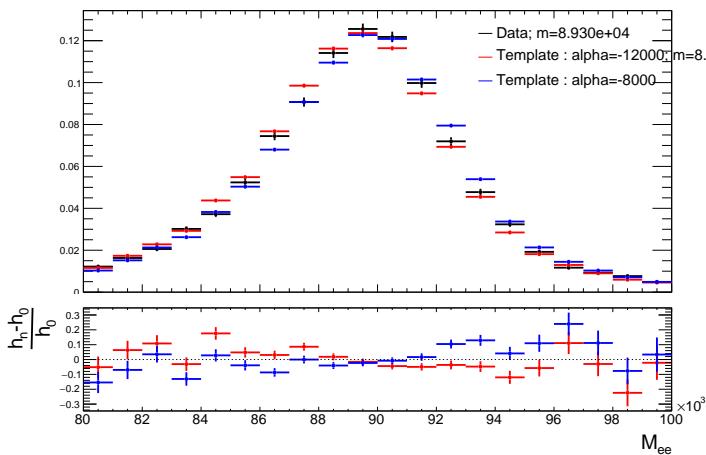
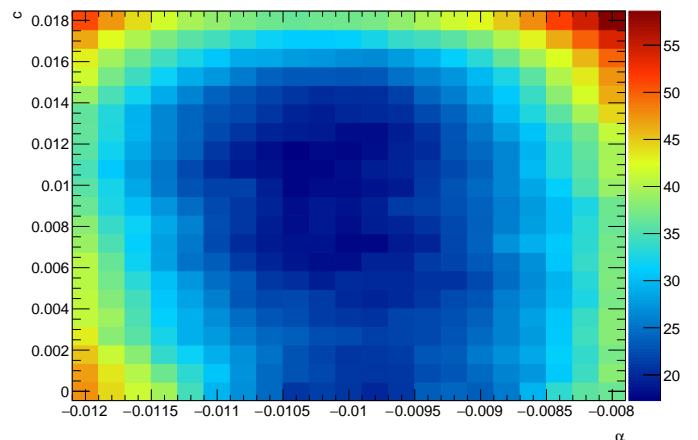
MCEvents : 130272

DataEvents : 21650

ThresholdMass : 57.0126

$$\alpha_{ij} = -0.0100926 \pm 0.000459841$$

$$\sigma_{ij} = 0.0102189 \pm 0.00213212$$



145 ChiMatrix_21_19

Results

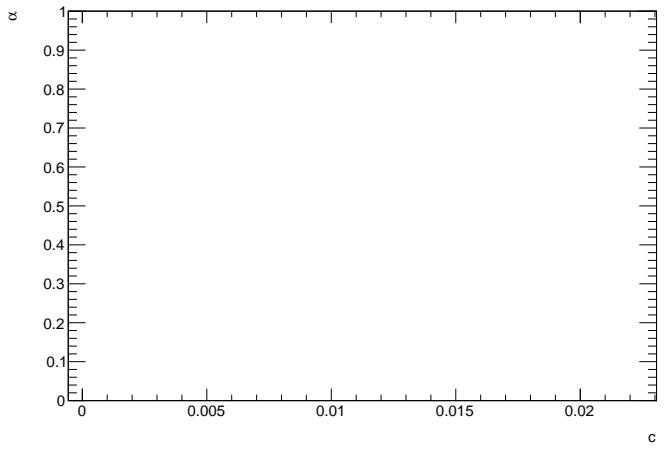
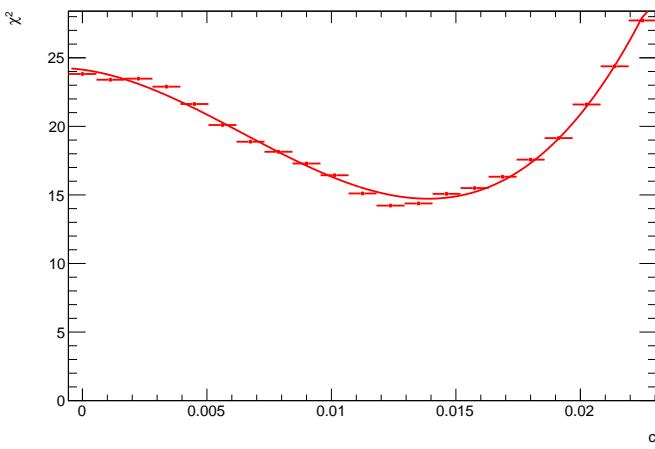
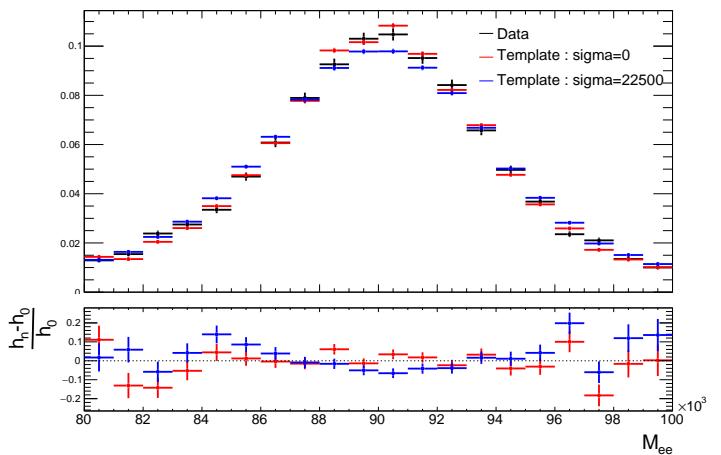
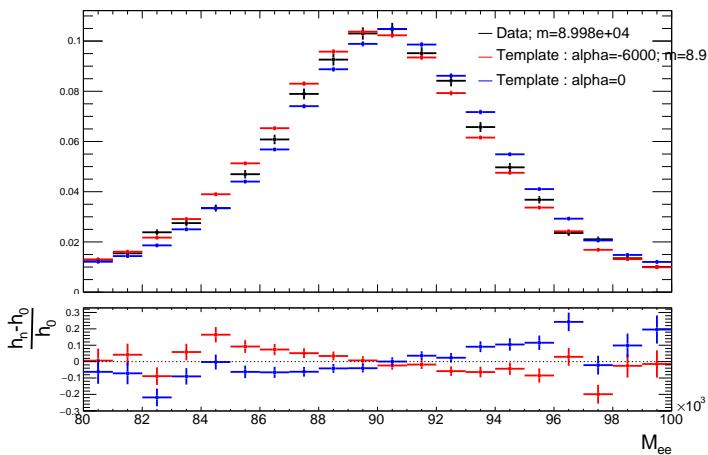
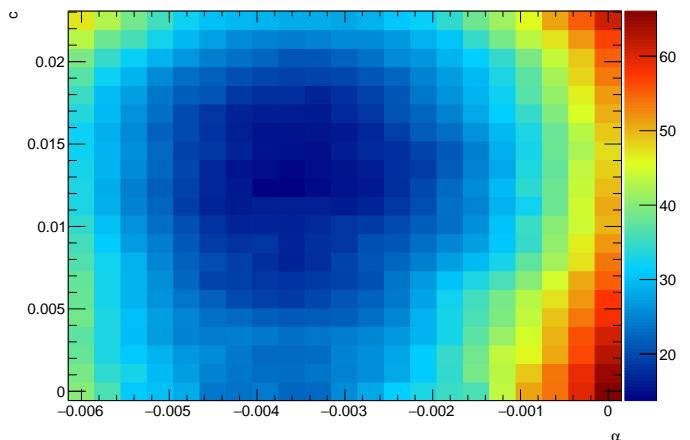
MCEvents : 124914

DataEvents : 19639

ThresholdMass : 55.6288

$$\alpha_{ij} = -0.00347288 \pm 0.00058818$$

$$\sigma_{ij} = 0.0138816 \pm 0.00263369$$



146 ChiMatrix_21_20

Results

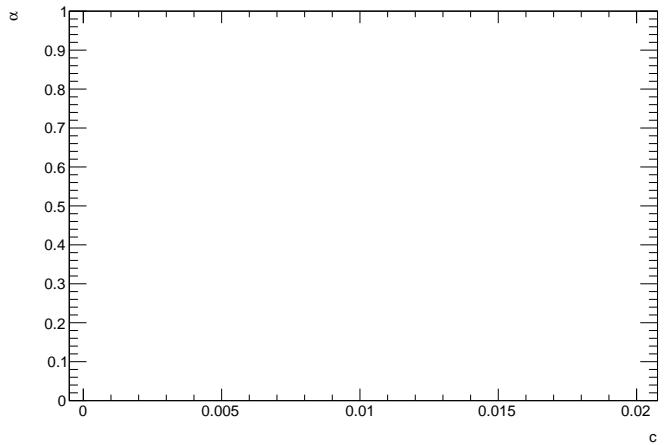
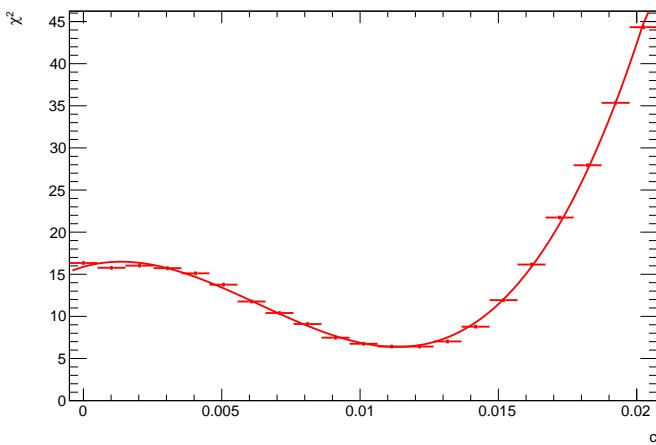
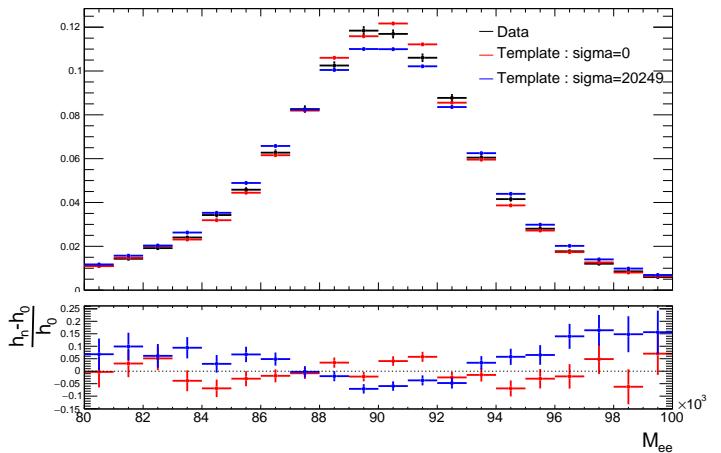
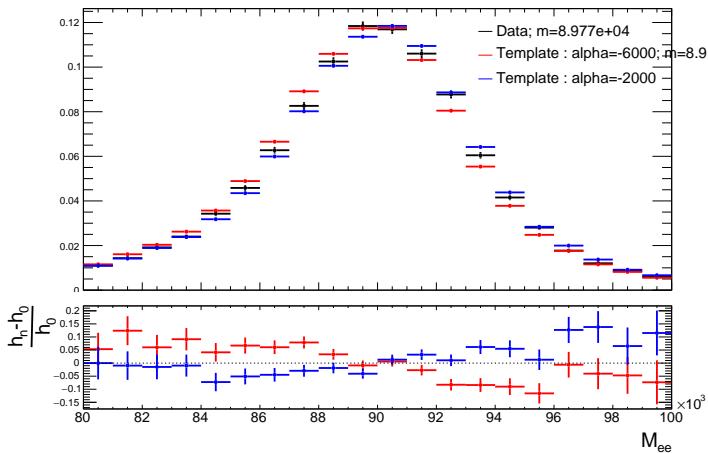
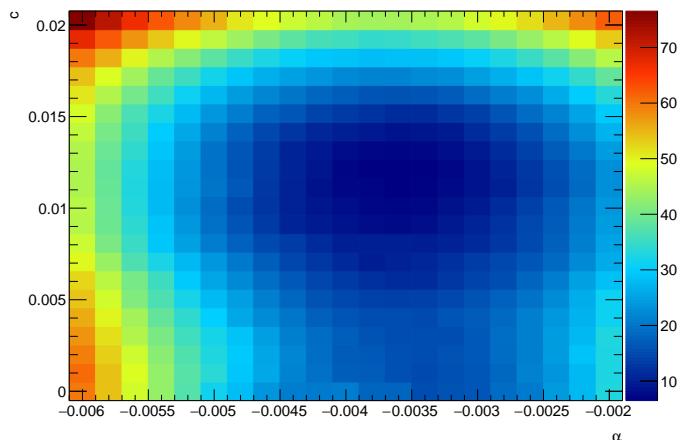
MCEvents : 186498

DataEvents : 31904

ThresholdMass : 54.5113

$$\alpha_{ij} = -0.00360259 \pm 0.00038944$$

$$\sigma_{ij} = 0.011339 \pm 0.0017163$$



147 ChiMatrix_21_21

Results

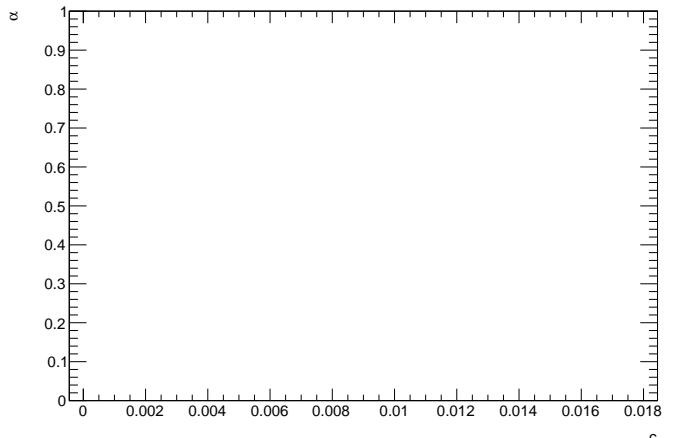
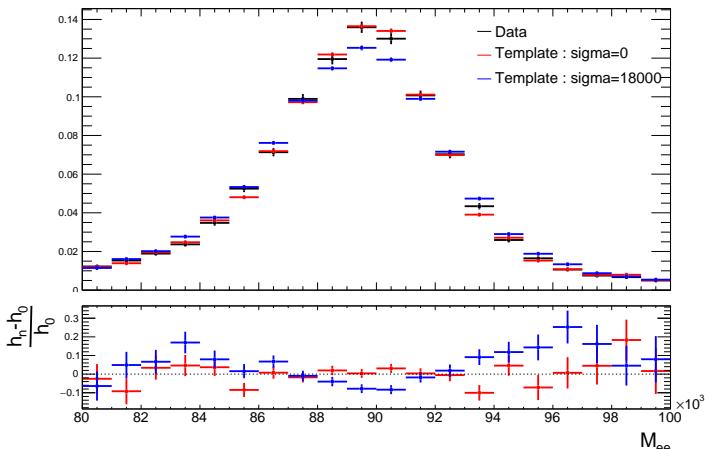
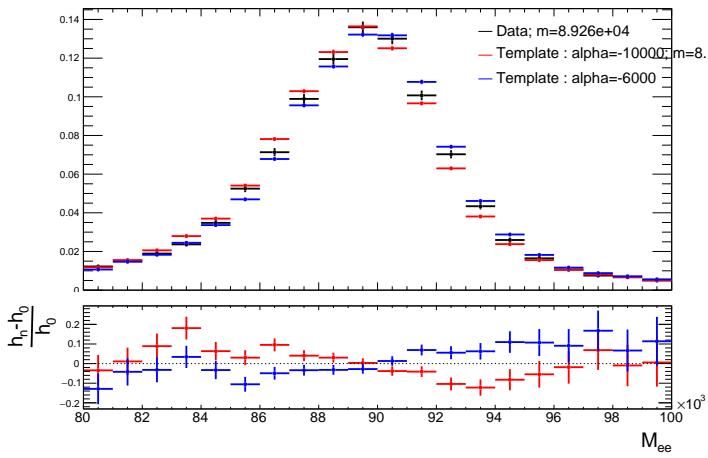
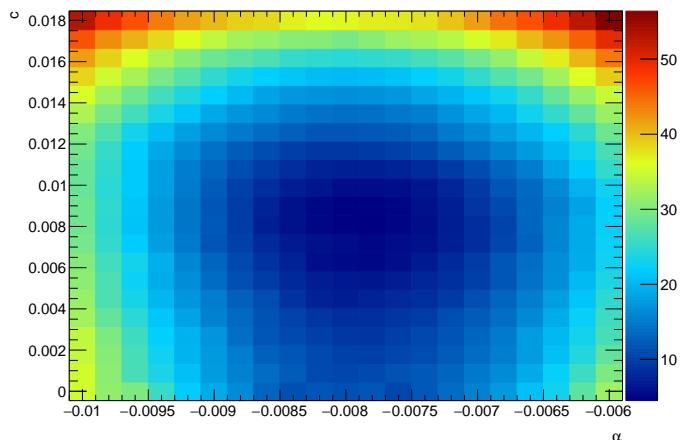
MCEvents : 104532

DataEvents : 18023

ThresholdMass : 54

$$\alpha_{ij} = -0.00783698 \pm 0.000434495$$

$$\sigma_{ij} = 0.00783138 \pm 0.00216339$$



Results

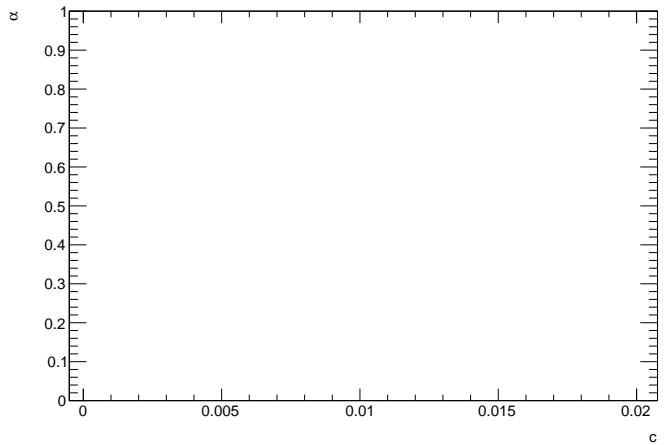
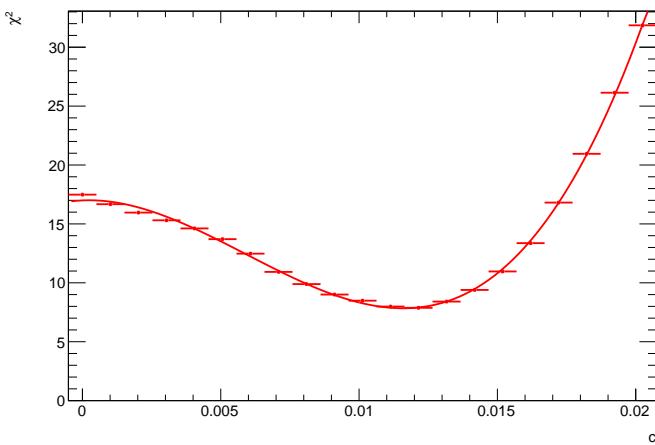
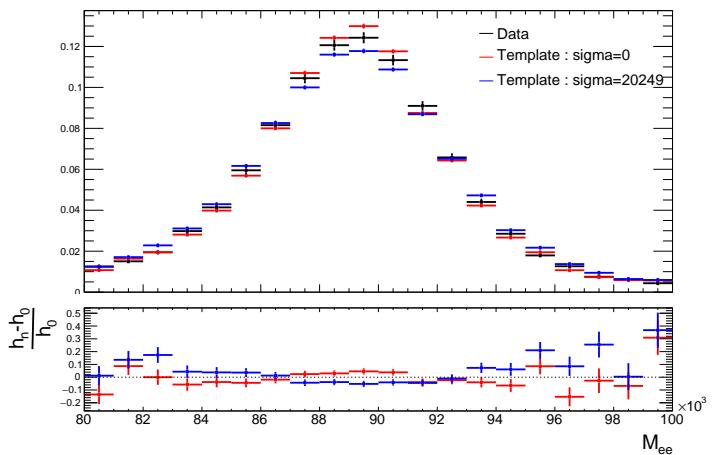
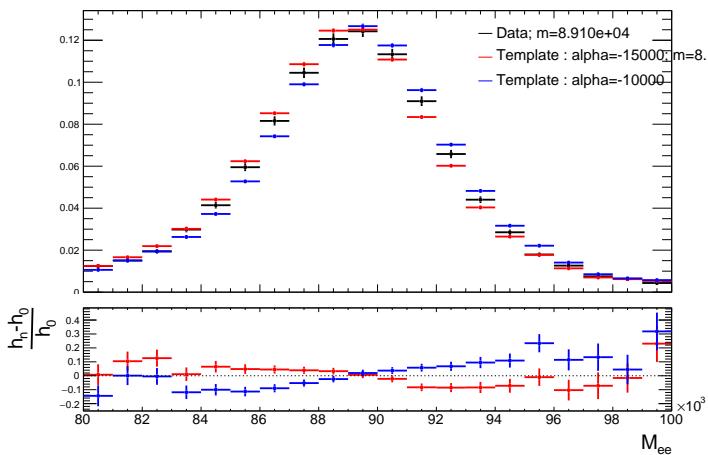
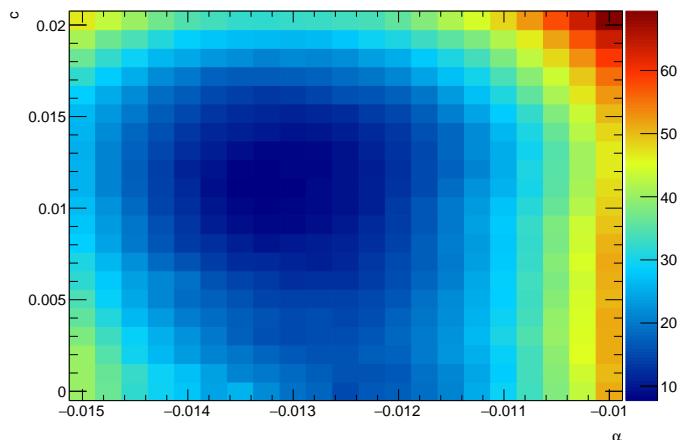
MCEvents : 122922

DataEvents : 18711

ThresholdMass : 66.7761

$$\alpha_{ij} = -0.0130179 \pm 0.000479476$$

$$\sigma_{ij} = 0.0115945 \pm 0.00204551$$



149 ChiMatrix_22_17

Results

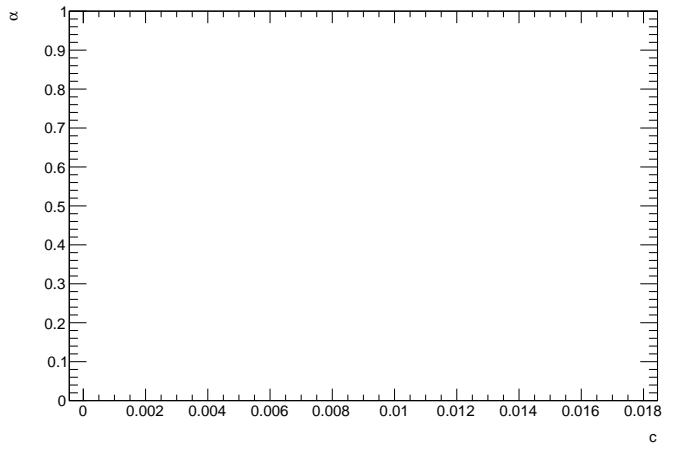
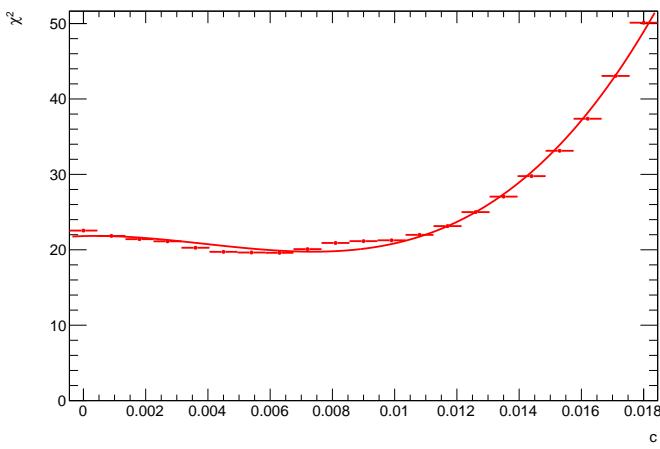
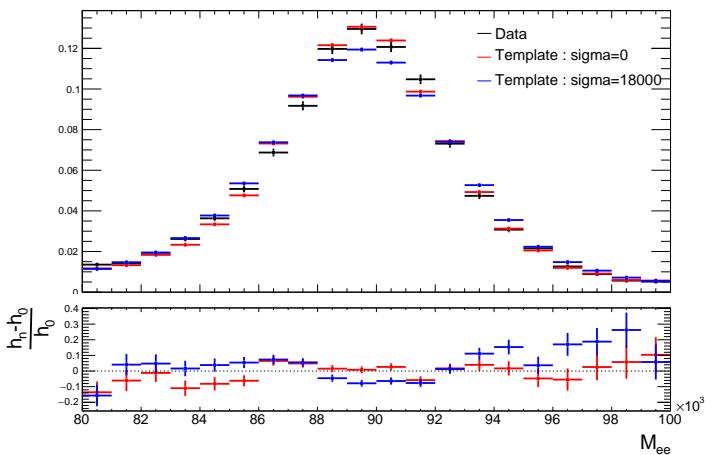
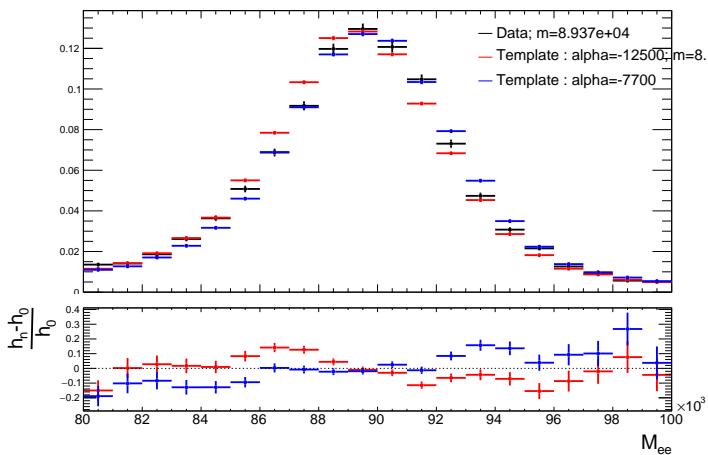
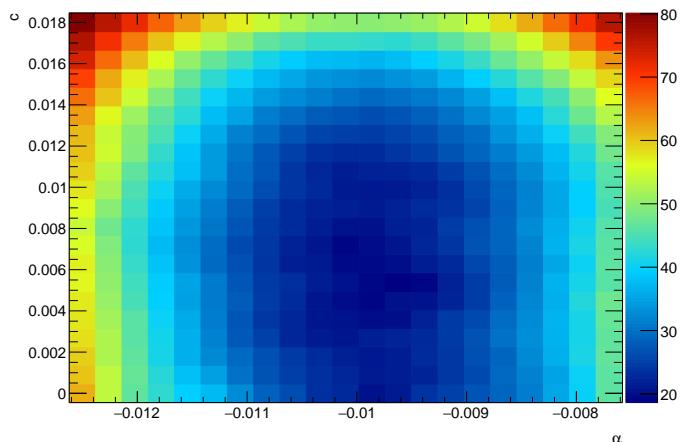
MCEvents : 134400

DataEvents : 20511

ThresholdMass : 63.1756

$$\alpha_{ij} = -0.00991011 \pm 0.000433472$$

$$\sigma_{ij} = 0.00737988 \pm 0.00250672$$



Results

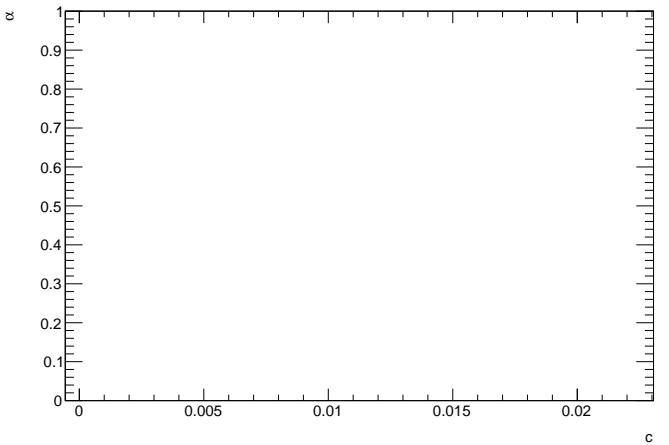
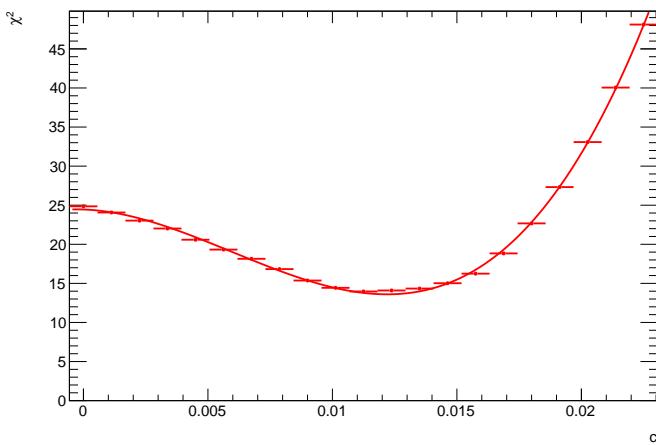
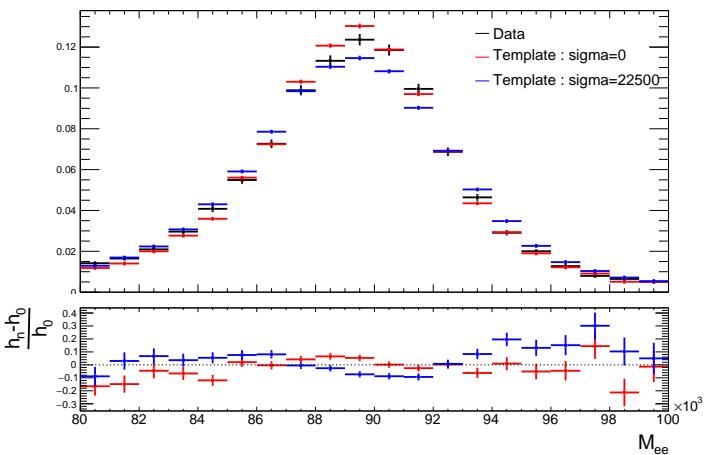
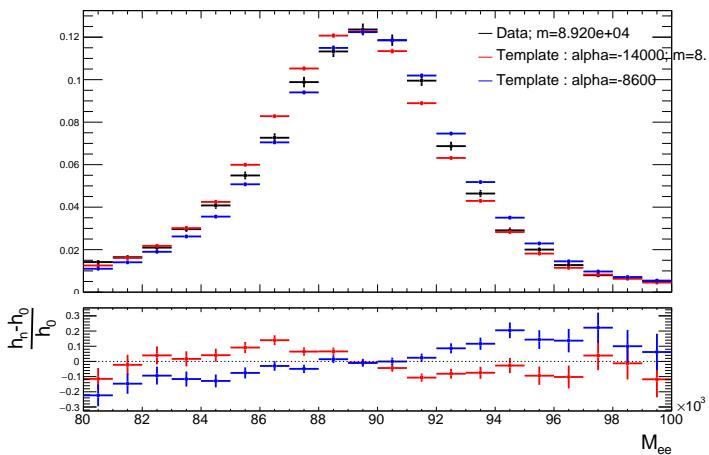
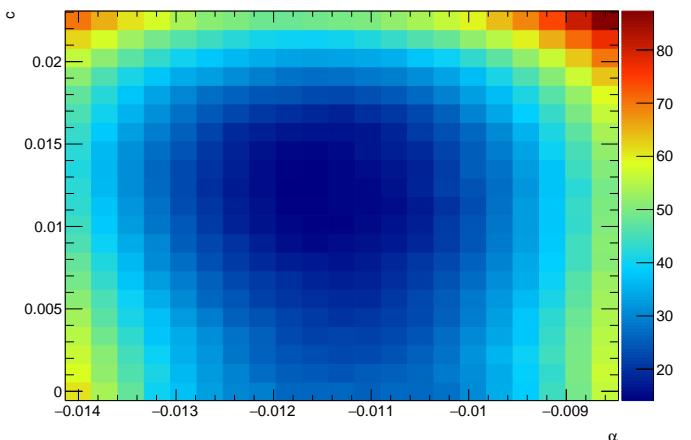
MCEvents : 118314

DataEvents : 18124

ThresholdMass : 60.4087

$$\alpha_{ij} = -0.0114627 \pm 0.000481153$$

$$\sigma_{ij} = 0.0122021 \pm 0.00207212$$



151 ChiMatrix_22_19

Results

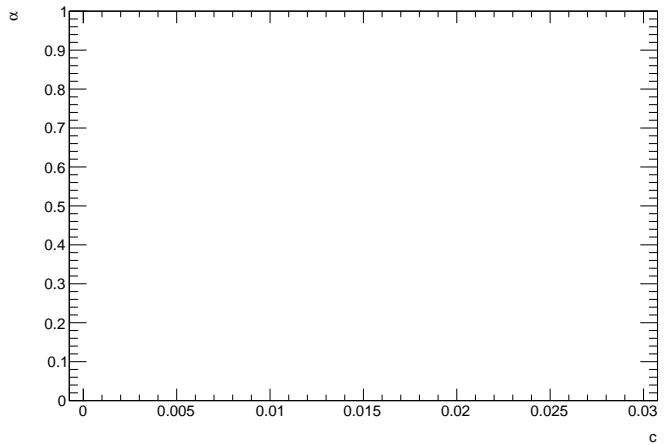
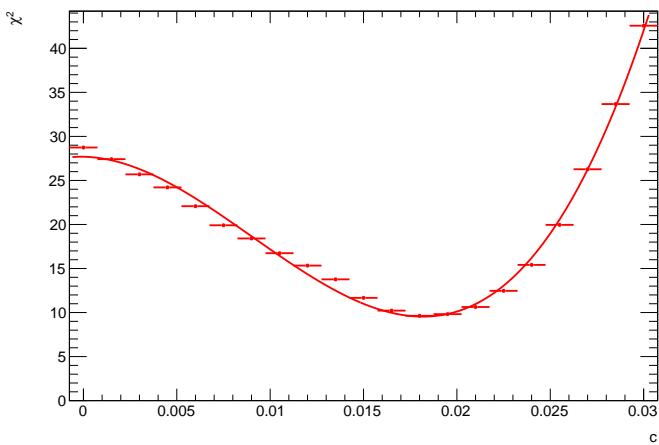
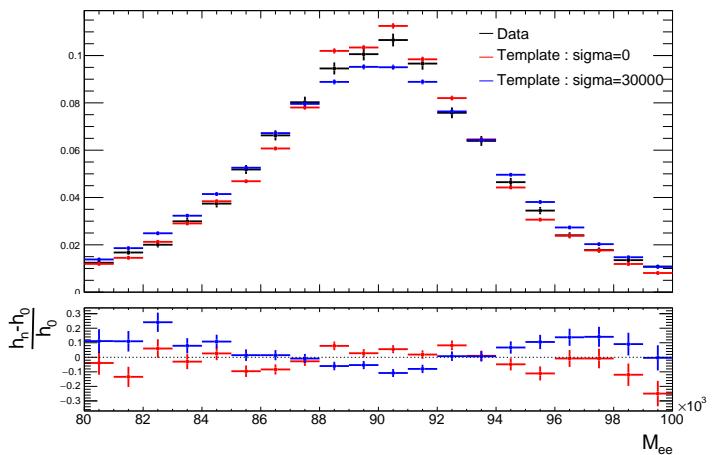
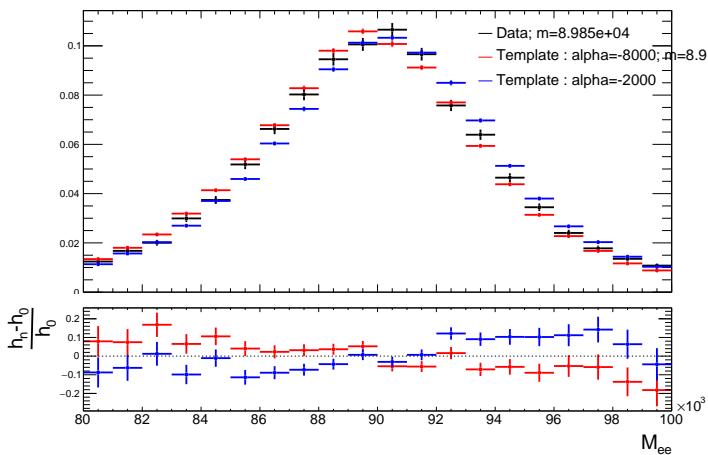
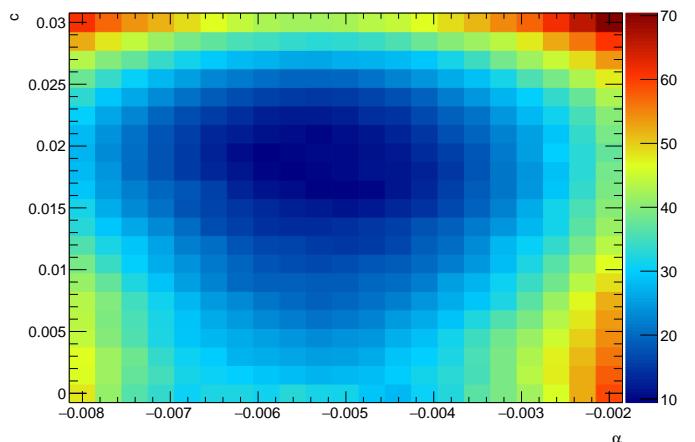
MCEvents : 114294

DataEvents : 16529

ThresholdMass : 58.2677

$$\alpha_{ij} = -0.00531973 \pm 0.000622783$$

$$\sigma_{ij} = 0.0181819 \pm 0.00237953$$



Results

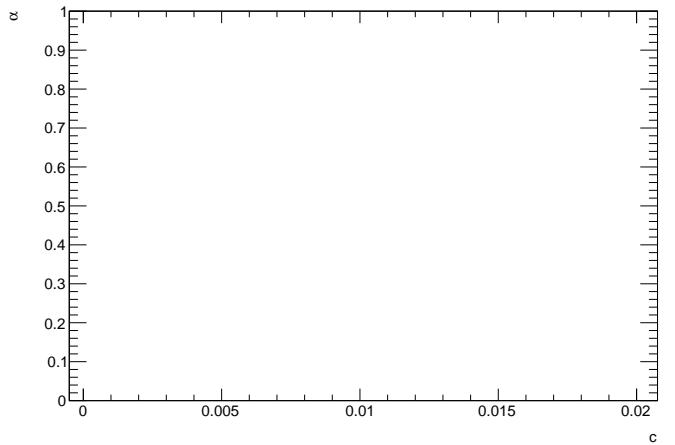
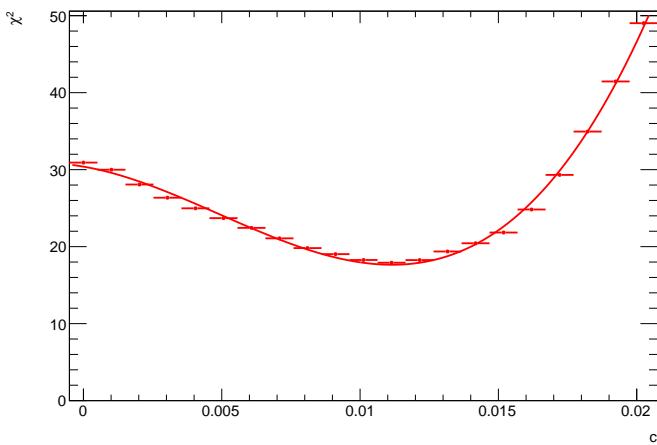
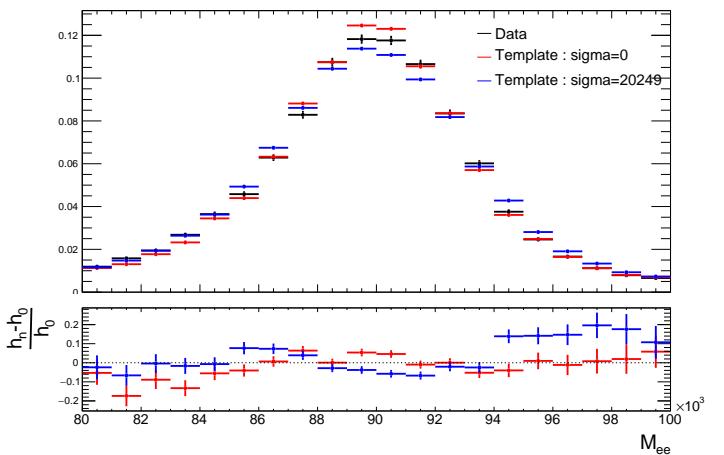
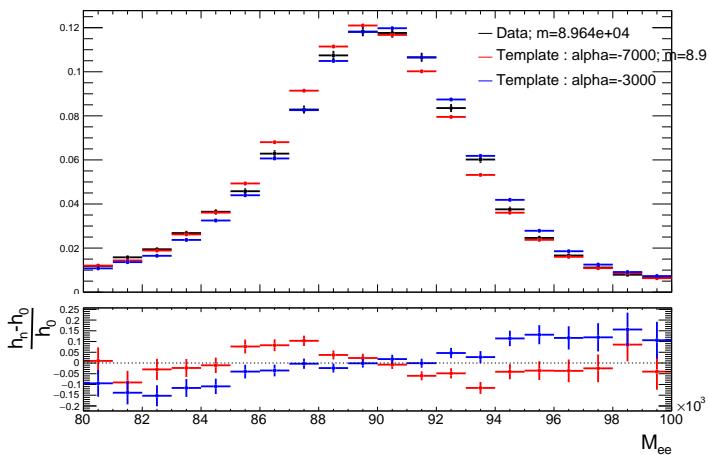
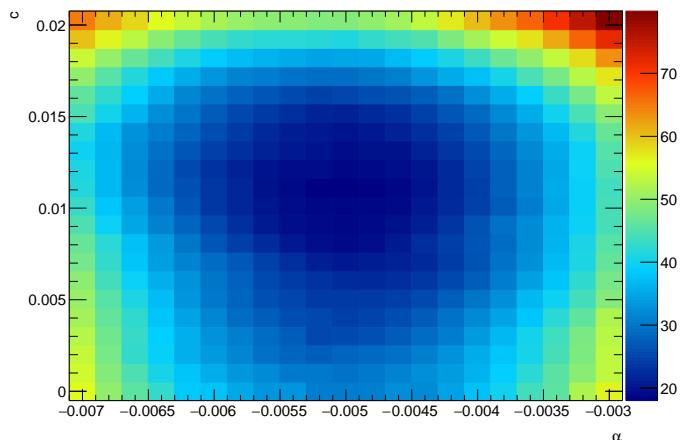
MCEvents : 176976

DataEvents : 28655

ThresholdMass : 56.2471

$$\alpha_{ij} = -0.00504826 \pm 0.000401005$$

$$\sigma_{ij} = 0.01116 \pm 0.00189886$$



153 ChiMatrix_22_21

Results

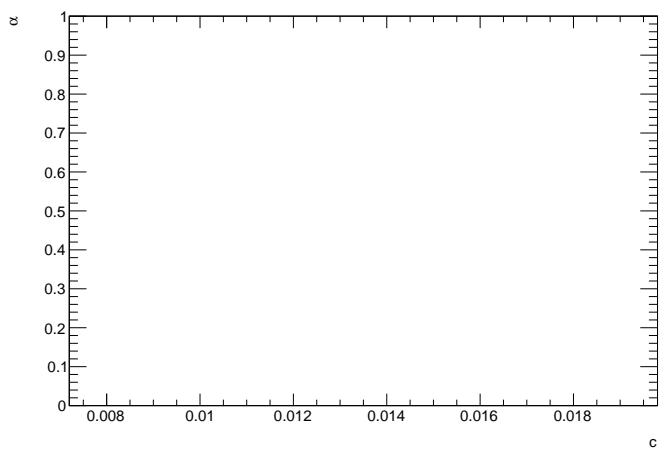
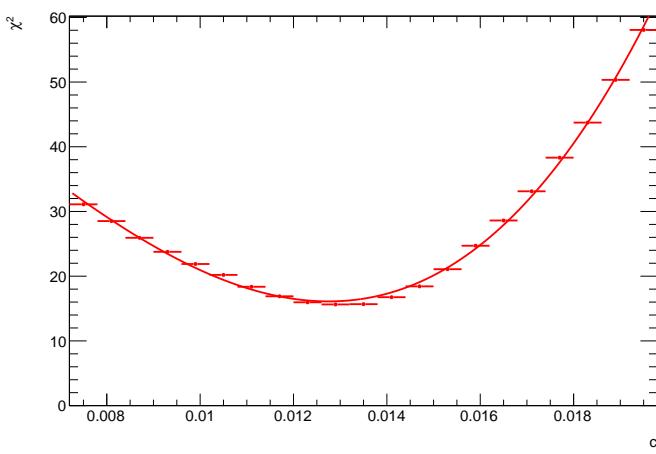
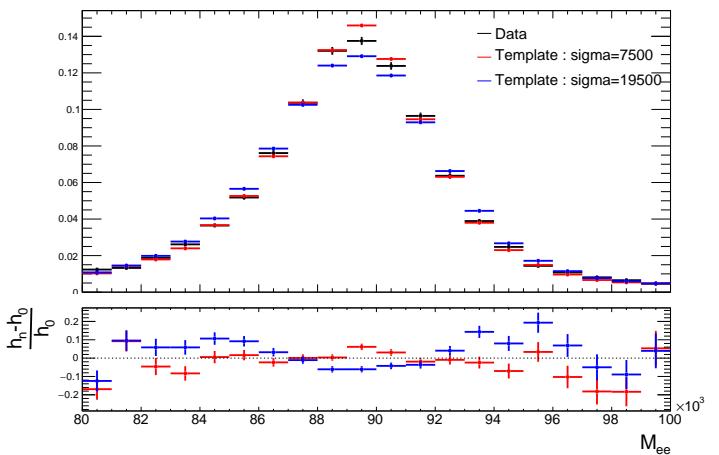
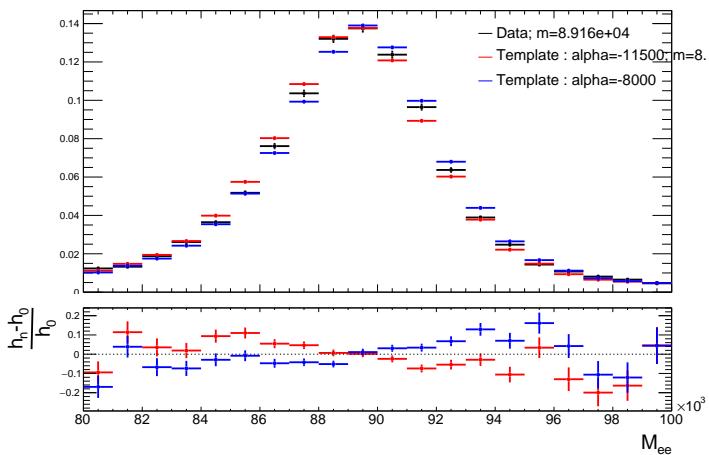
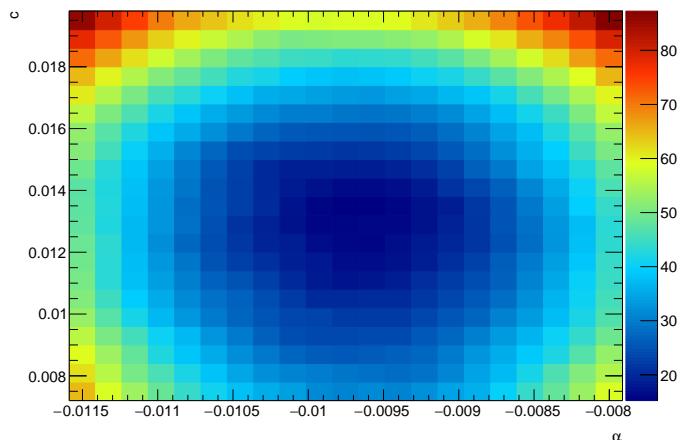
MCEvents : 202196

DataEvents : 33031

ThresholdMass : 54.6086

$$\alpha_{ij} = -0.0096814 \pm 0.000318755$$

$$\sigma_{ij} = 0.012751 \pm 0.00114701$$



Results

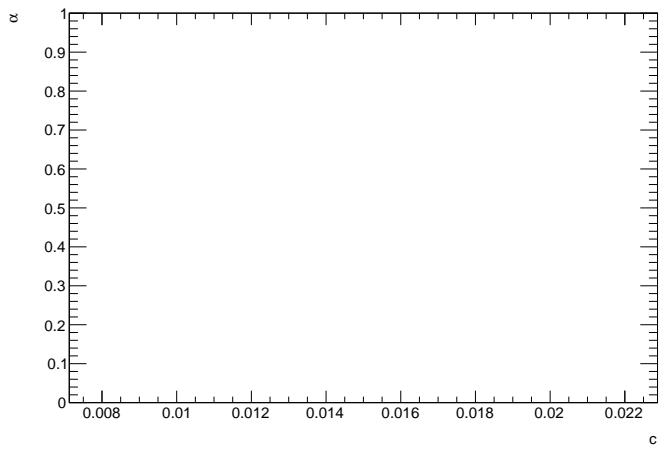
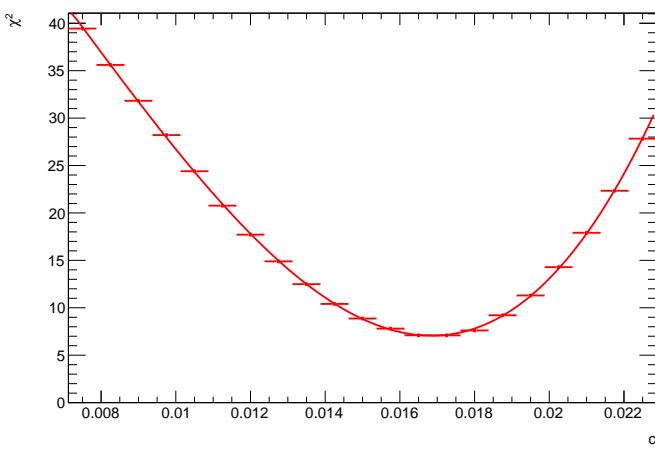
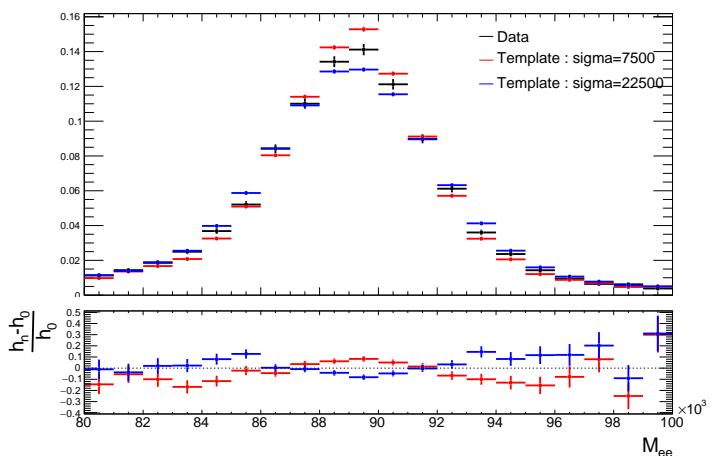
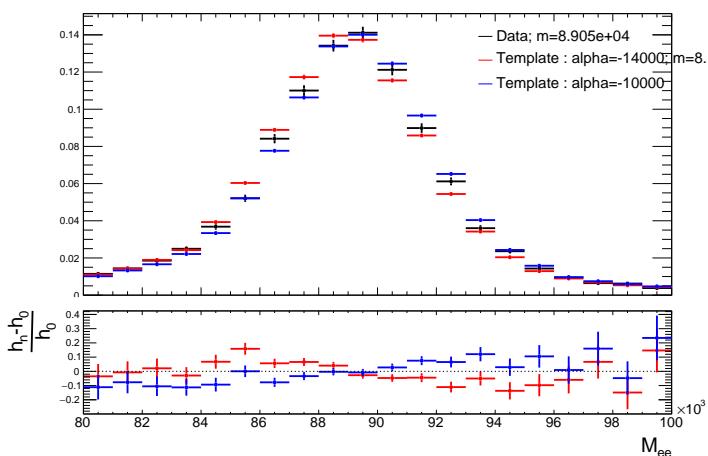
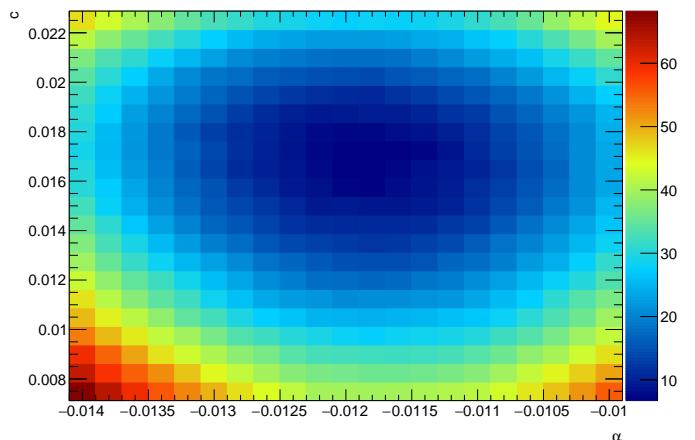
MCEvents : 98752

DataEvents : 15510

ThresholdMass : 54

$$\alpha_{ij} = -0.0118472 \pm 0.000451233$$

$$\sigma_{ij} = 0.0168506 \pm 0.00132151$$



155 ChiMatrix_23_17

Results

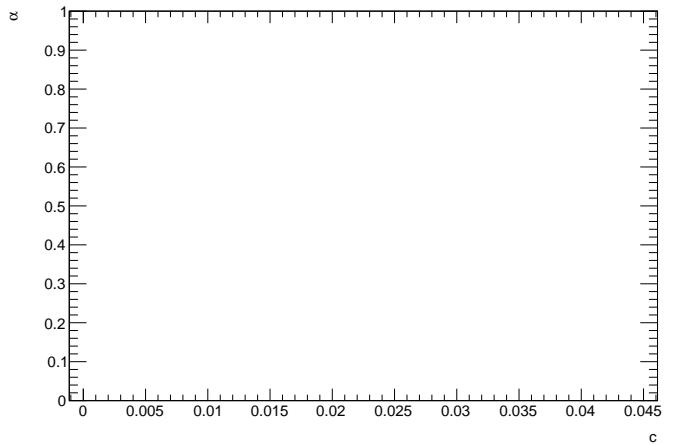
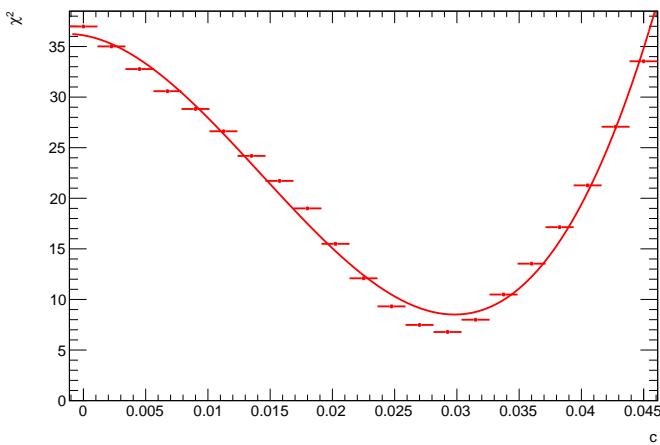
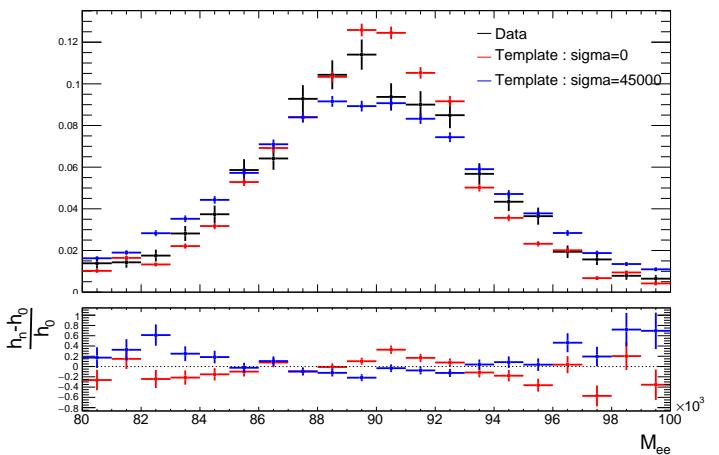
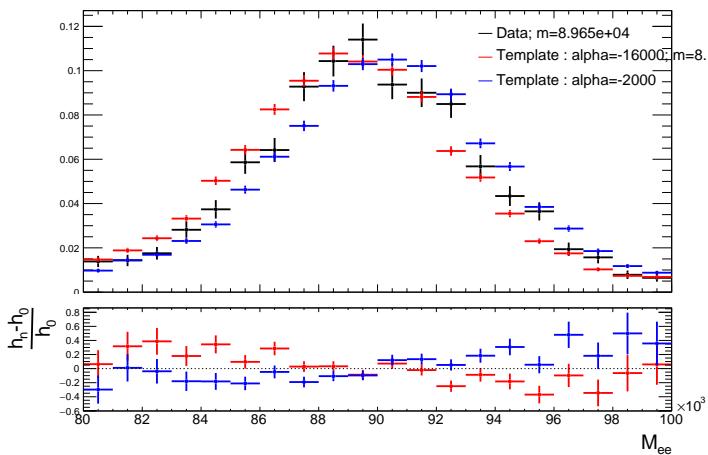
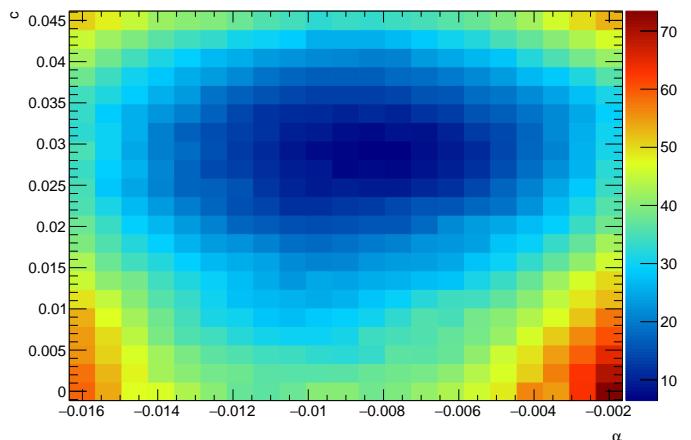
MCEvents : 19764

DataEvents : 2376

ThresholdMass : 66.4834

$$\alpha_{ij} = -0.00869807 \pm 0.00137515$$

$$\sigma_{ij} = 0.0298148 \pm 0.00329509$$



Results

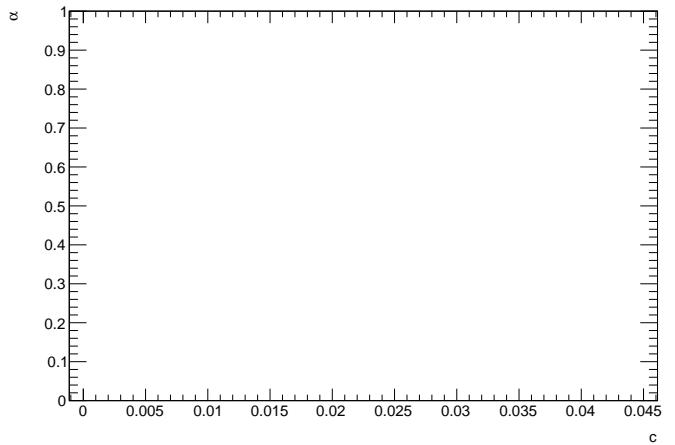
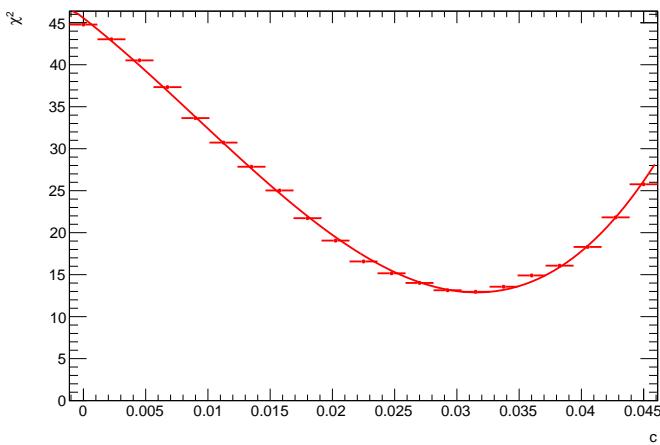
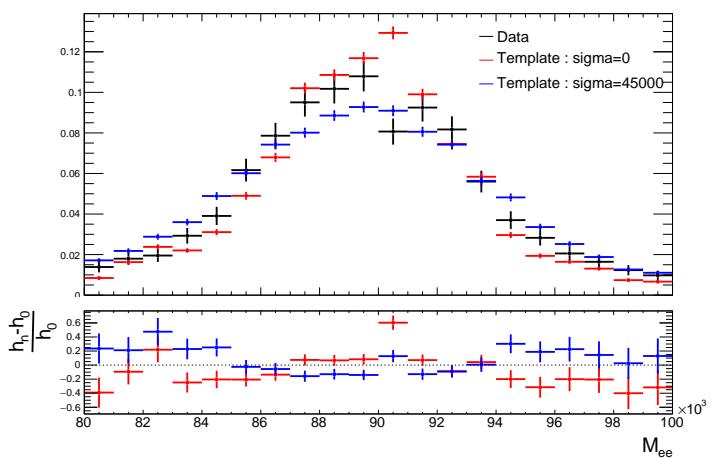
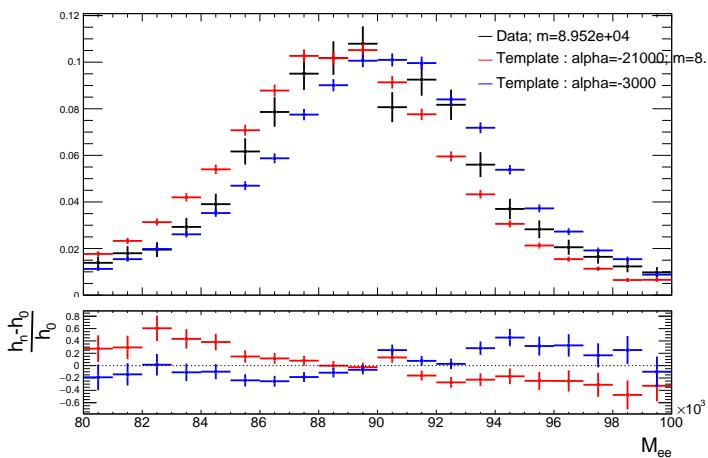
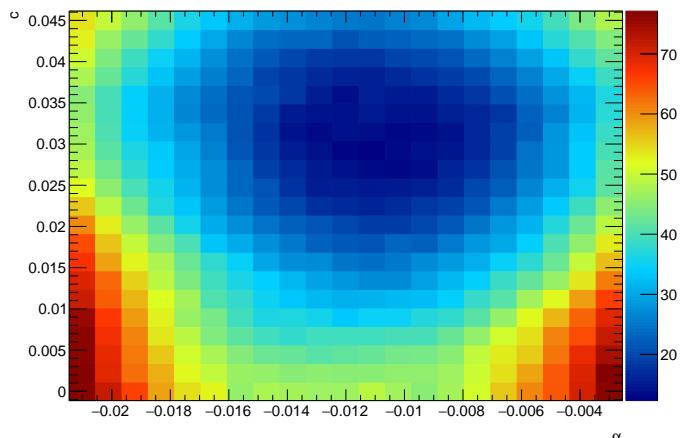
MCEvents : 18120

DataEvents : 2162

ThresholdMass : 63.1756

$$\alpha_{ij} = -0.0111634 \pm 0.00166601$$

$$\sigma_{ij} = 0.0315884 \pm 0.00392161$$



Results

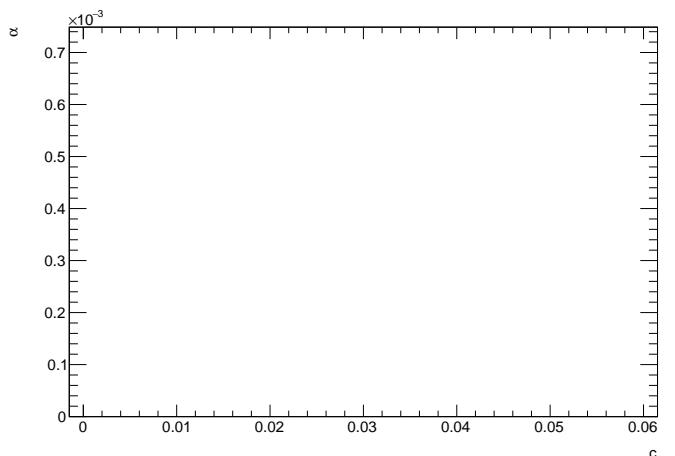
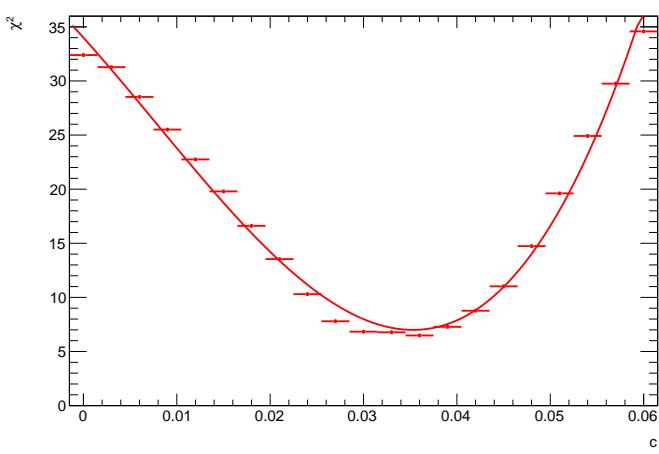
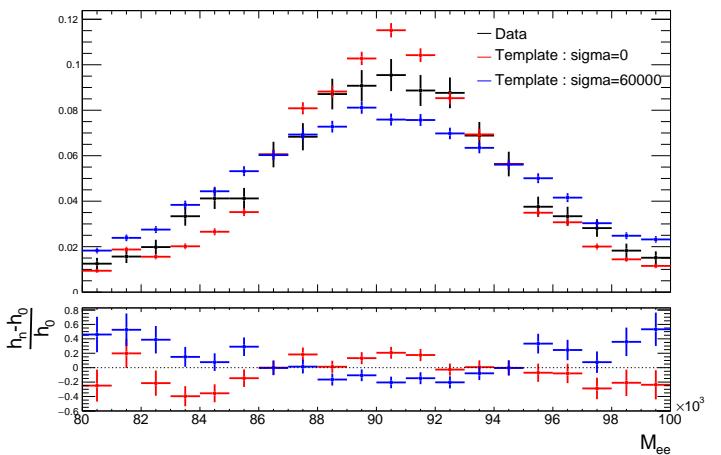
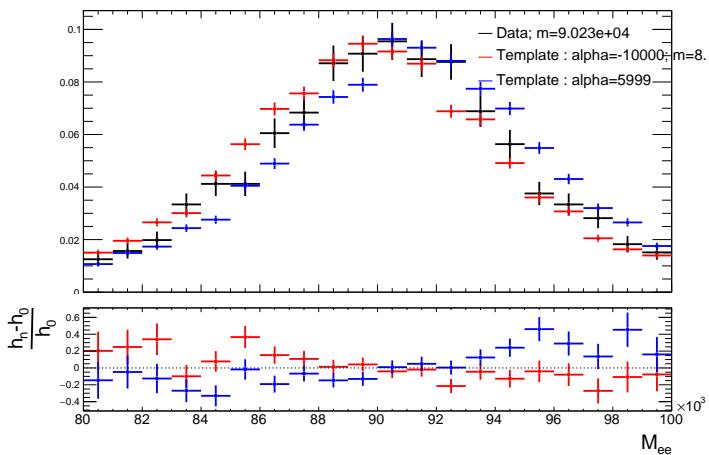
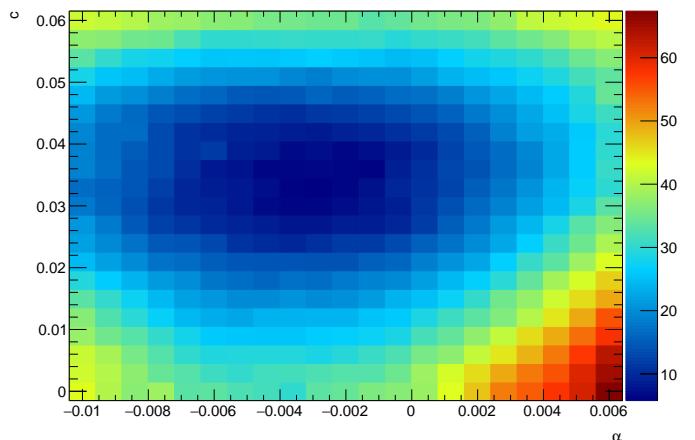
MCEvents : 17046

DataEvents : 2176

ThresholdMass : 60.5448

$$\alpha_{ij} = -0.00335001 \pm 0.00187085$$

$$\sigma_{ij} = 0.0353042 \pm 0.00499805$$



Results

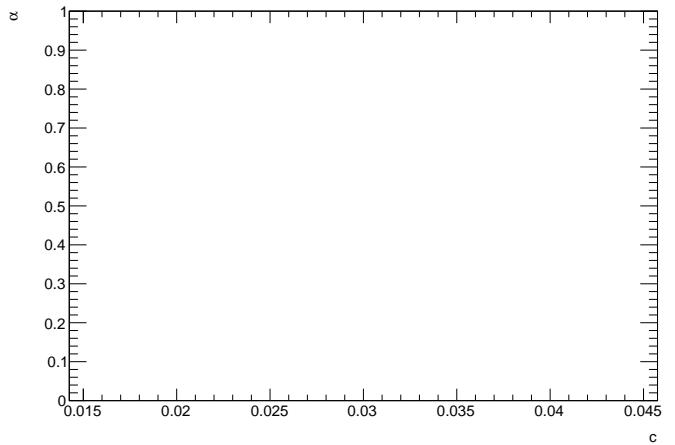
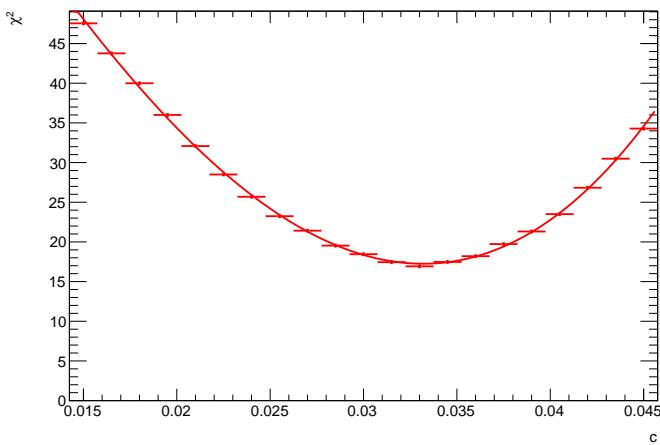
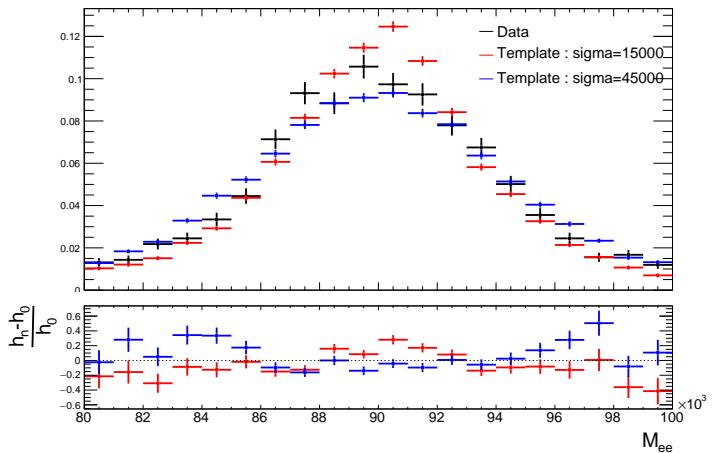
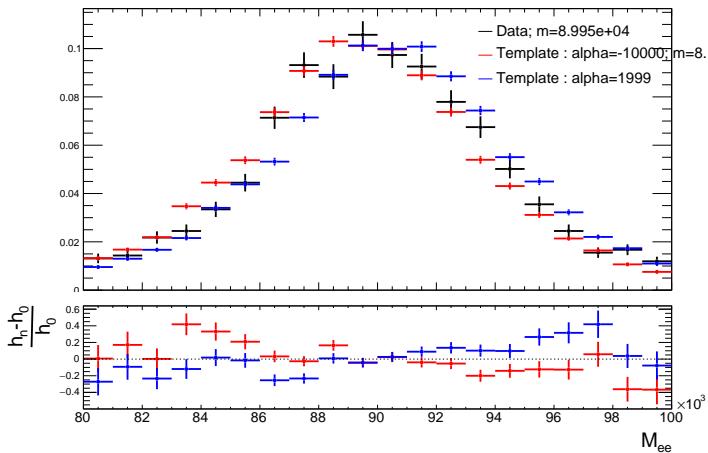
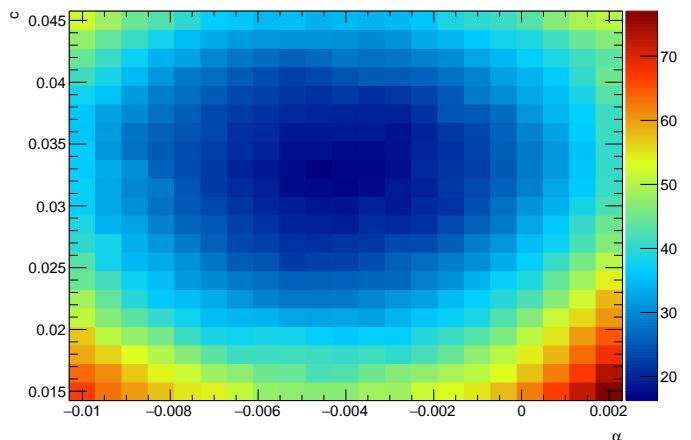
MCEvents : 27684

DataEvents : 3736

ThresholdMass : 57.9459

$$\alpha_{ij} = -0.00426588 \pm 0.00128181$$

$$\sigma_{ij} = 0.033191 \pm 0.00294812$$



159 ChiMatrix_23_21

Results

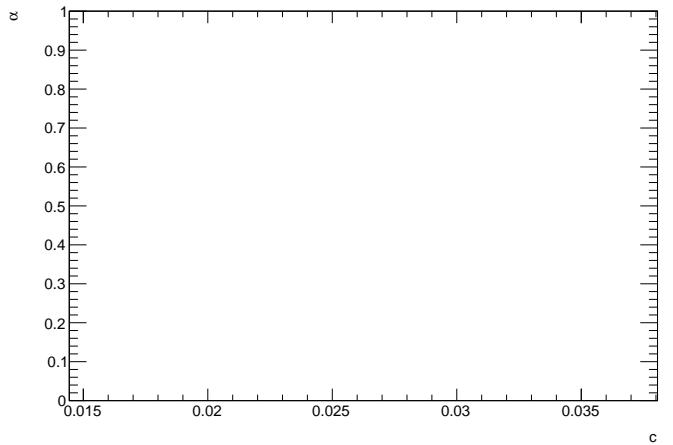
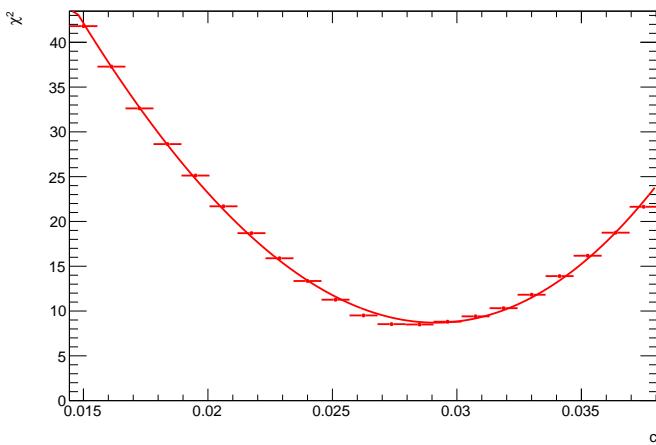
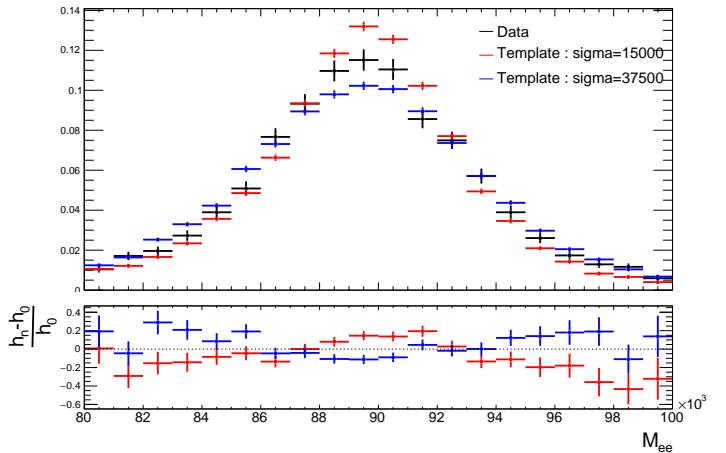
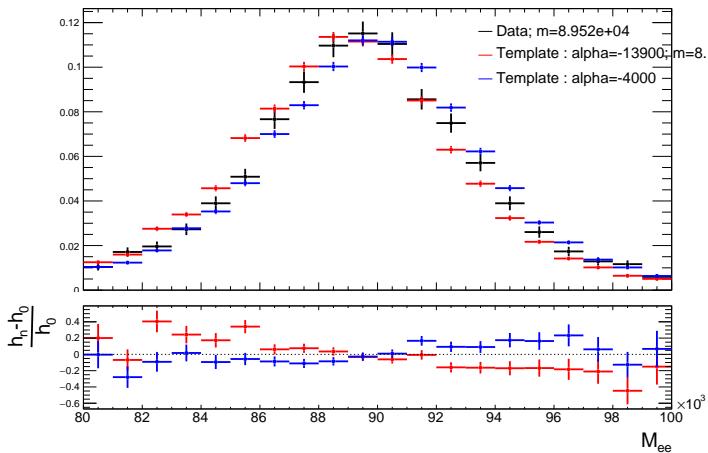
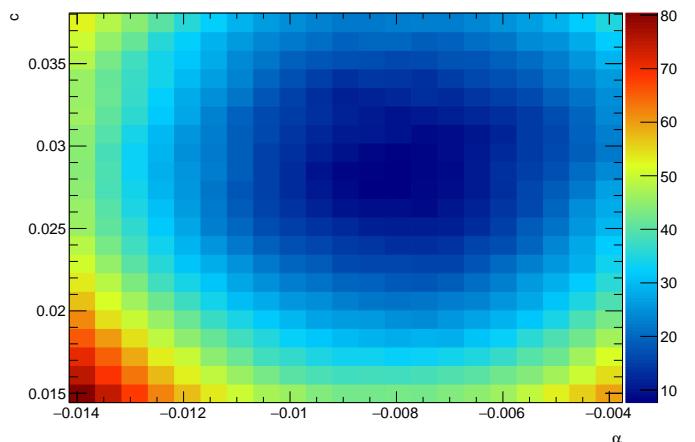
MCEvents : 31532

DataEvents : 4550

ThresholdMass : 55.5956

$$\alpha_{ij} = -0.00788186 \pm 0.00102449$$

$$\sigma_{ij} = 0.0291468 \pm 0.00231381$$



Results

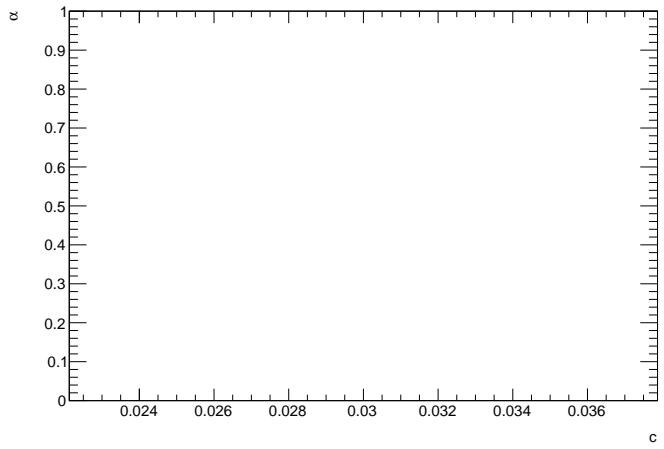
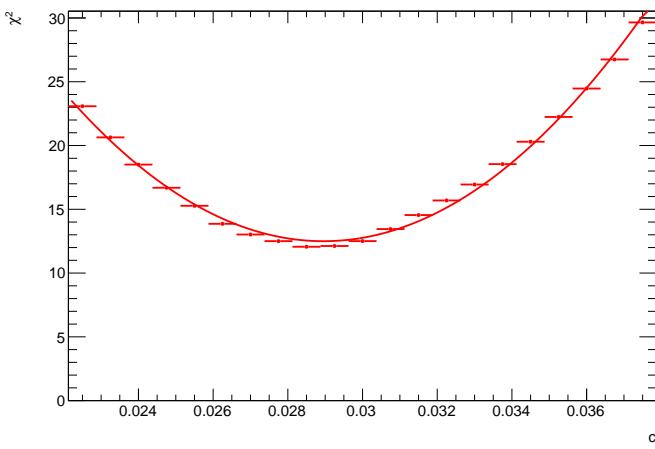
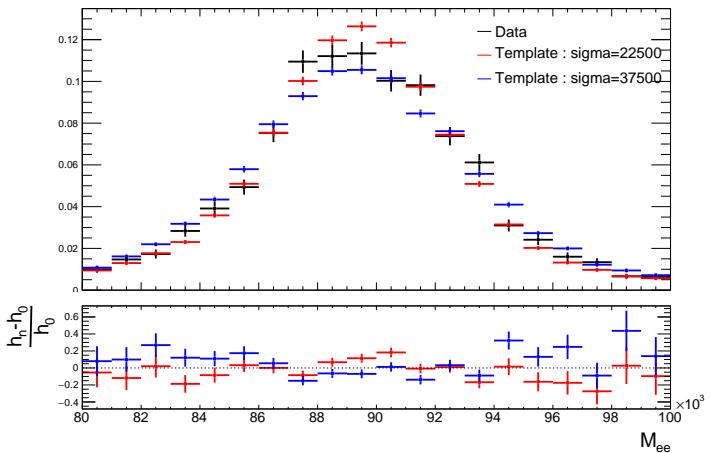
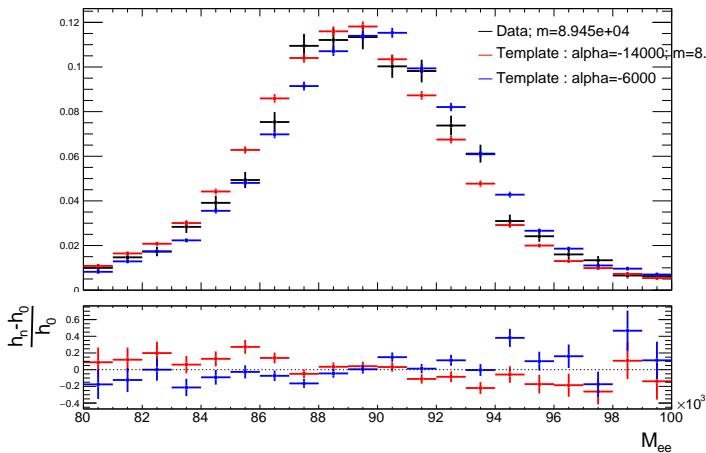
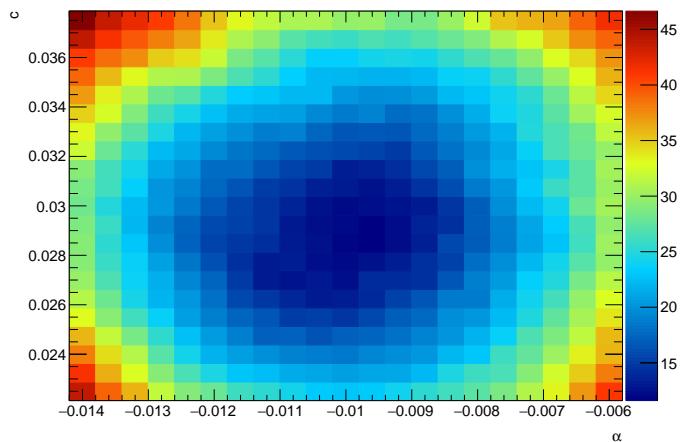
MCEvents : 32200

DataEvents : 4328

ThresholdMass : 54.2312

$$\alpha_{ij} = -0.0100821 \pm 0.000968353$$

$$\sigma_{ij} = 0.0289543 \pm 0.00203308$$



161 ChiMatrix_23_23

Results

MCEvents : 2400

DataEvents : 303

ThresholdMass : 54

$$\alpha_{ij} = -0.00604123 \pm 0.00470134$$

$$\sigma_{ij} = 0.0478963 \pm 0.0179998$$

