## correlation matrix

-0.0355393 0.555505

1

-0.56982

0.570044

-0.0209623

-0.269235 0.0101604 -0.158814

0.0364473

-0.036477

0.968362 -0.0365407 0.571157

nFitBkg\_0b

-0.406659 -0.572934 0.0215736 -0.338294

kQCD\_2b

-0.269235

-0.0209623 0.0101604 0.0364473

-0.158814

1

0.276191

-0.276357

0.163798

nFitBkg\_1b

-0.96607

-0.56982

0.276191

1

-0.991557

0.586435

-0.276813 -0.993289

nFitBkg\_2b

correlation matrix

0.685422

0.966647

0.570044

0.993883

-0.588675

nFitQCD\_0b

0.686579

-0.036477 -0.0365407 0.0215736

0.571157

0.993883

-0.589077

-0.276357 -0.276813

-0.991557 -0.993289

nFitQCD\_1b

0.590058

-0.494845

-0.46544

-0.406659

-0.338294

0.163798

0.586435

-0.588675

-0.589077

1

nFitSig

nFitQCD\_2b

0.968362 -0.572934

8.0

0.6

0.4

0.2

0

-0.2

-0.4

-0.6

-0.8

				Correlation_matrix				Mean x Mean y Std Dev x Std Dev y	5.594 6.406 2.234 2.234	
1	-0.844772	-0.787257	-0.688087	-0.970463	0.036621	-0.572412	0.277448	0.995473	-0.996068	-0.997807
-0.844772	1	0.665185	0.581214	0.819848	-0.0309274	0.483562	-0.234303	-0.841038	0.841354	0.842937

kMassResol kMassScale -0.787257 0.665185 1 0.540837 0.763897 -0.0288317 0.450674 -0.218432 -0.783679 0.784177 0.785549

1

0.555505

-0.96607

0.966647

kQCD 1b -0.0251984 0.393848 -0.688087 0.581214 0.540837 0.667764 -0.190908 -0.684972

0.667764

0.393848

0.685422

0.686579

kQCD\_1b

btagEff

kQCD 2b

nFitBka 0b

nFitBka 1b

nFitBka 2b

nFitQCD 0b

nFitQCD 1b

nFitQCD 2b

nFitSig

-0.970463

-0.572412

0.277448

0 995473

-0.996068

-0.997807

0.590058

b<sub>tagEff</sub>

0.819848

0.483562

0.841354

0.842937

-0.494845

0.763897

0.036621 -0.0309274 -0.0288317 -0.0251984 -0.0355393

0.450674

-0.234303 -0.218432 -0.190908

-0.841038 -0.783679 -0.684972

0.784177

0.785549

-0.46544

k<sub>Mass</sub>scale

kM<sub>assResol</sub>