

$H \rightarrow W W + 2 \text{ jets}$ Analysis



THE UNIVERSITY
of
WISCONSIN
MADISON



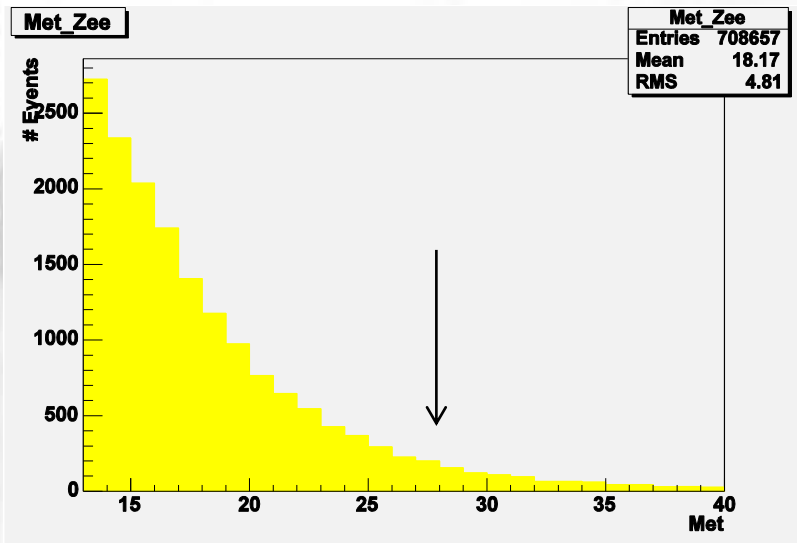
Will Parker

University of Wisconsin – Madison

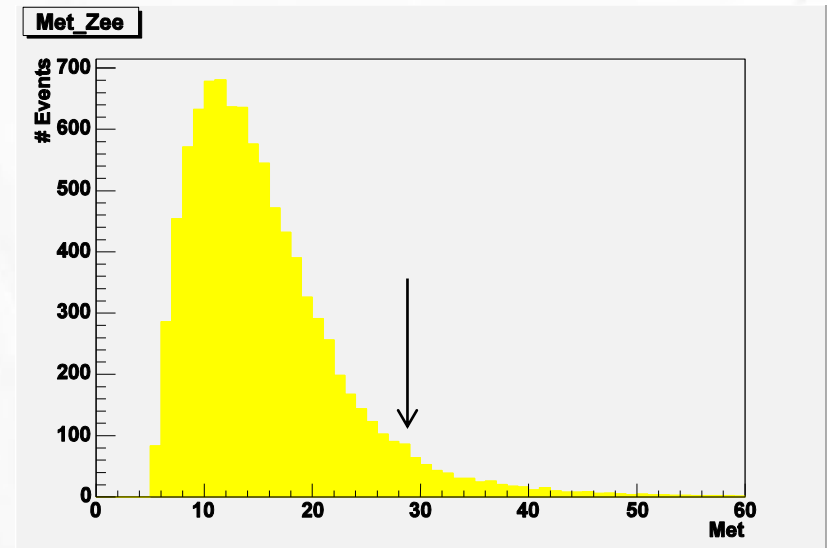
08/06/12

Missing Et (Njets)

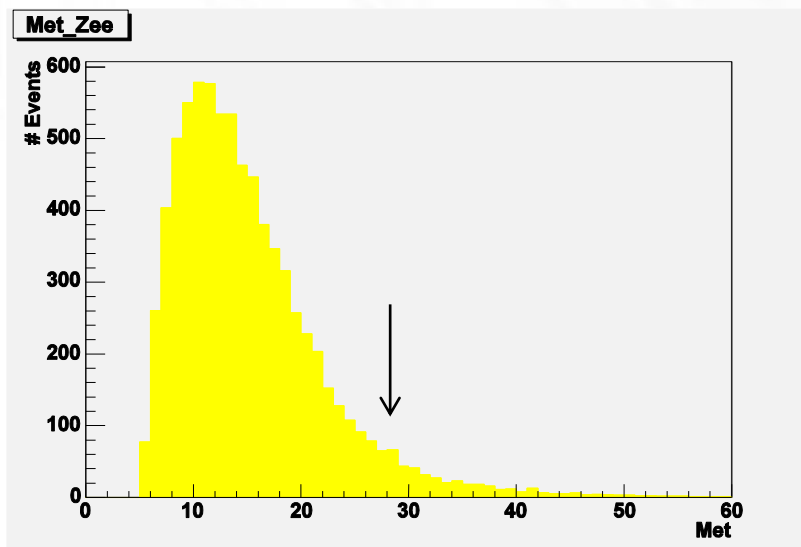
1 Jet



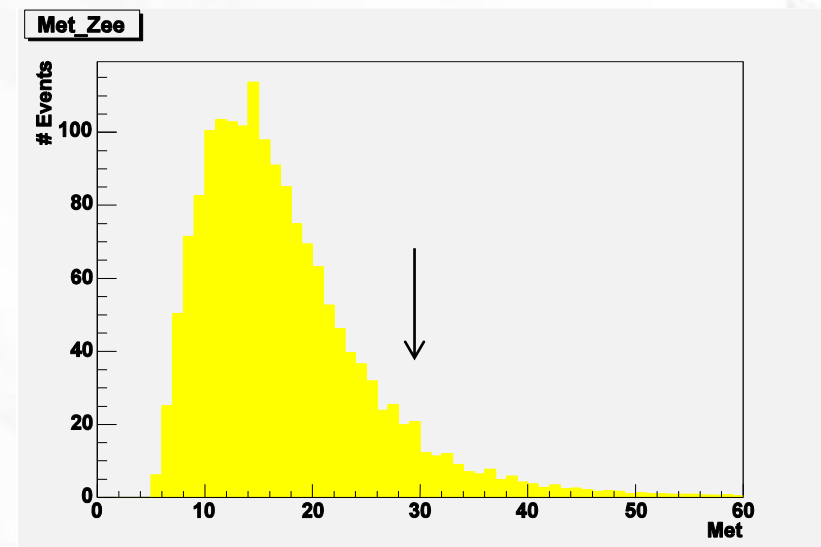
2+Jets



2 Jets

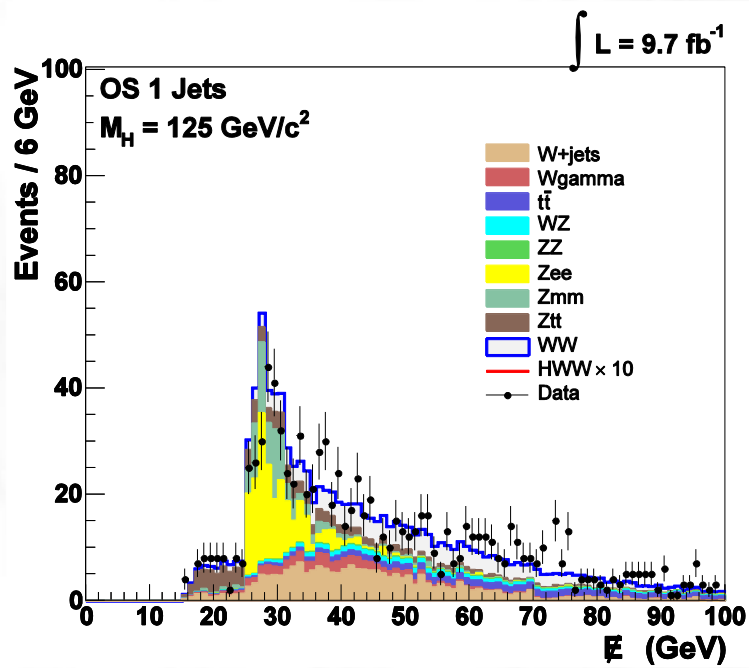


3+Jets

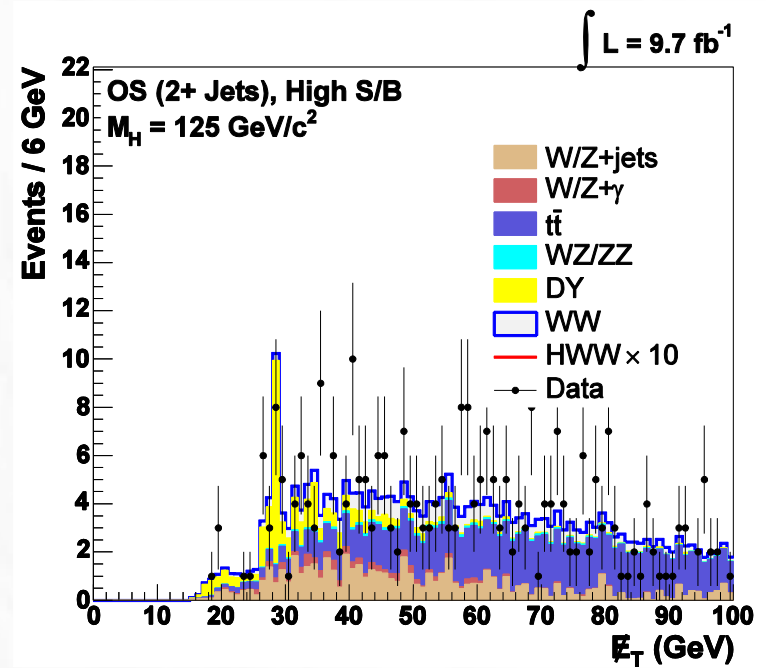


Missing Et (After Cuts)

1 Jet



2+Jets



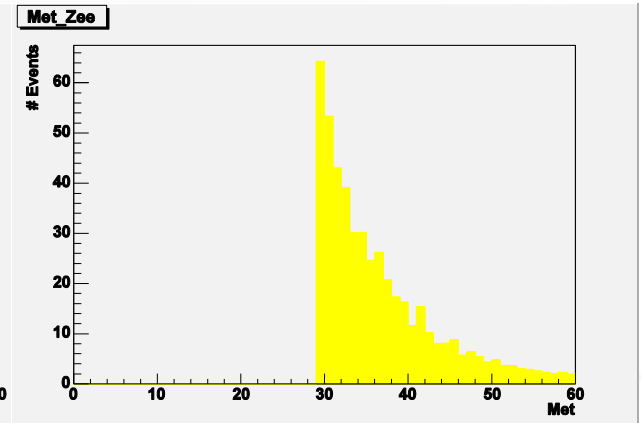
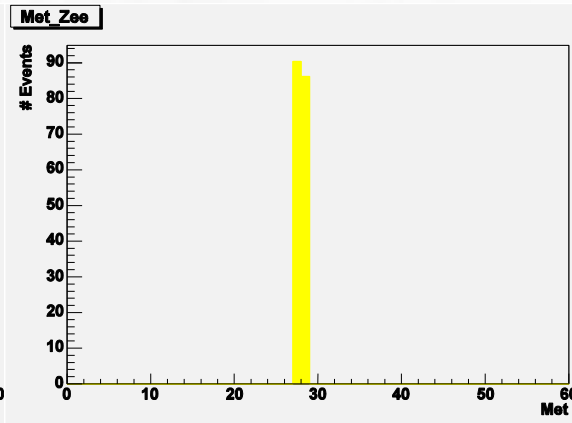
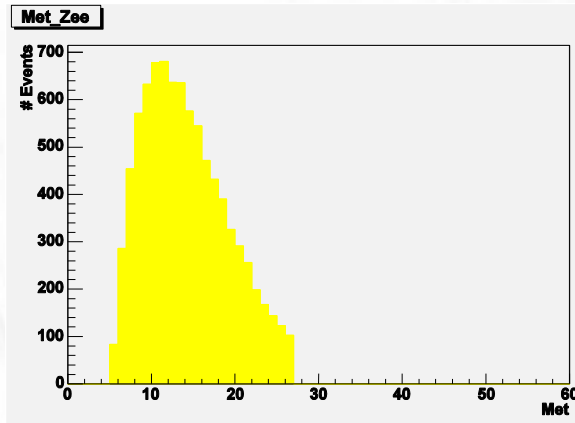
Missing Et Regions

Met < 27

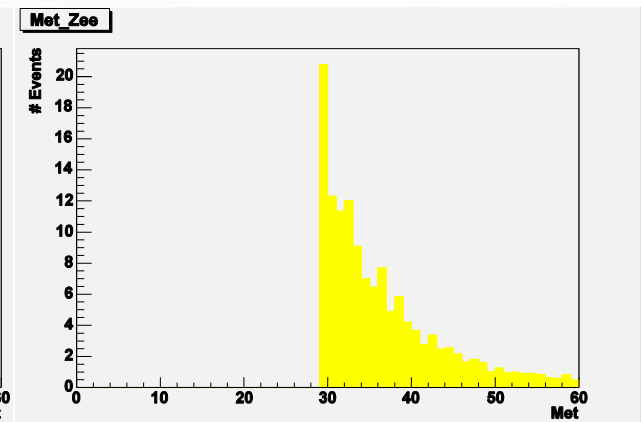
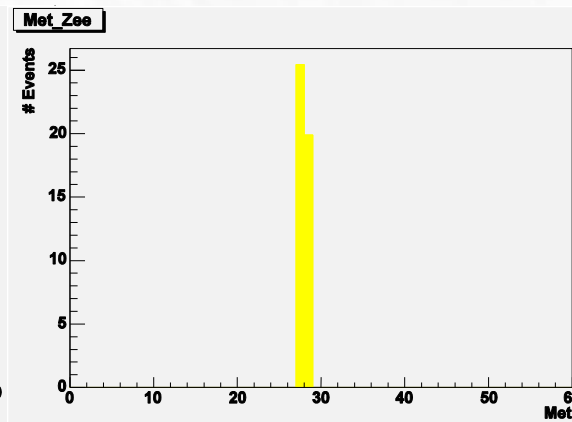
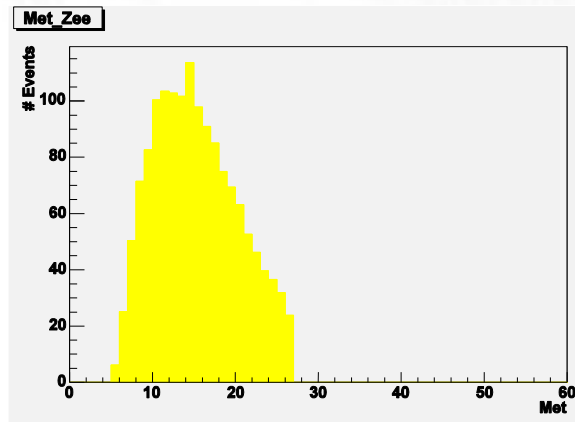
27 < Met < 29

Met > 29

2+J



3+J



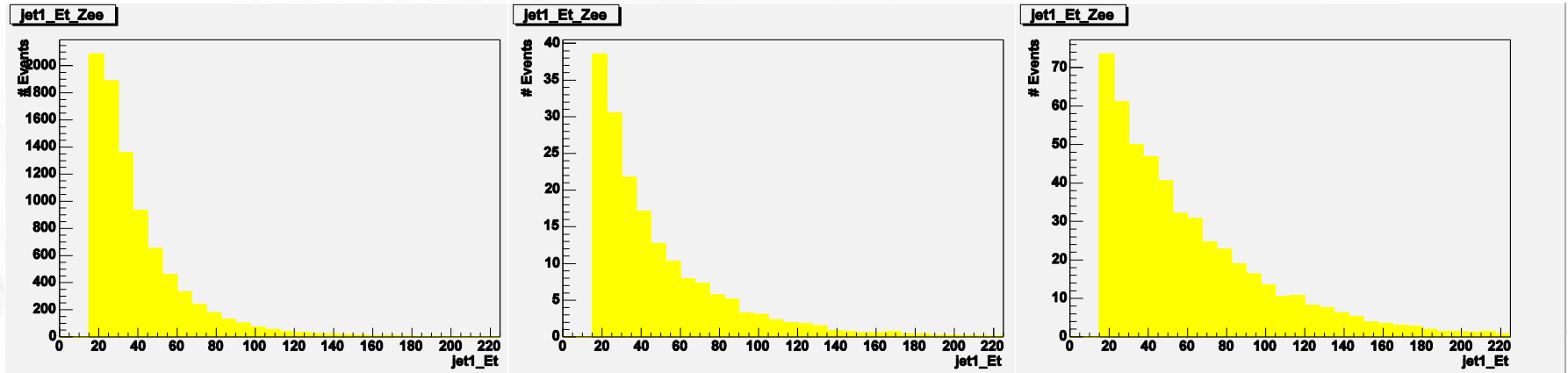
Jet 1 Et

Met < 27

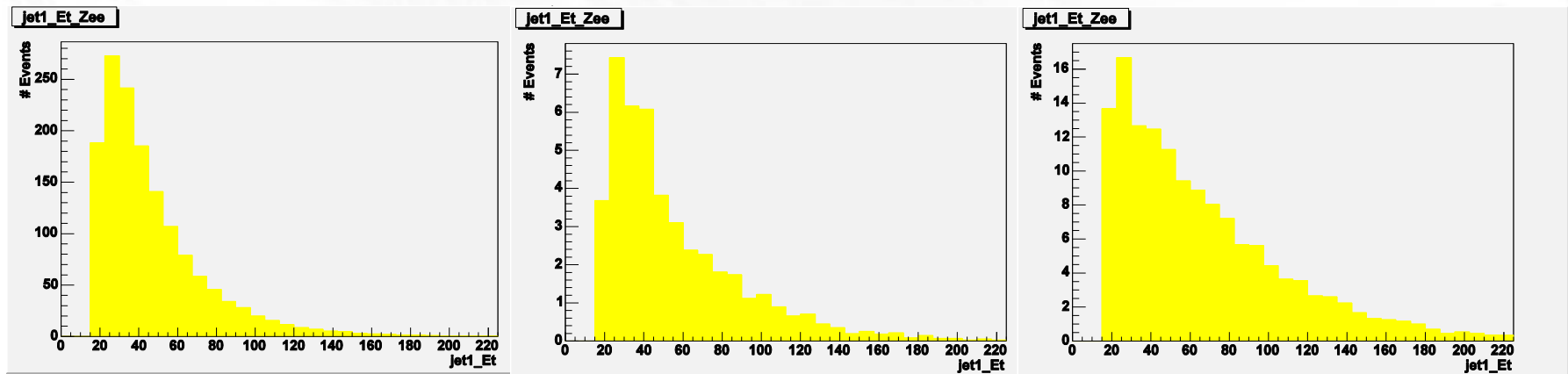
27 < Met < 29

Met > 29

2+J



3+J



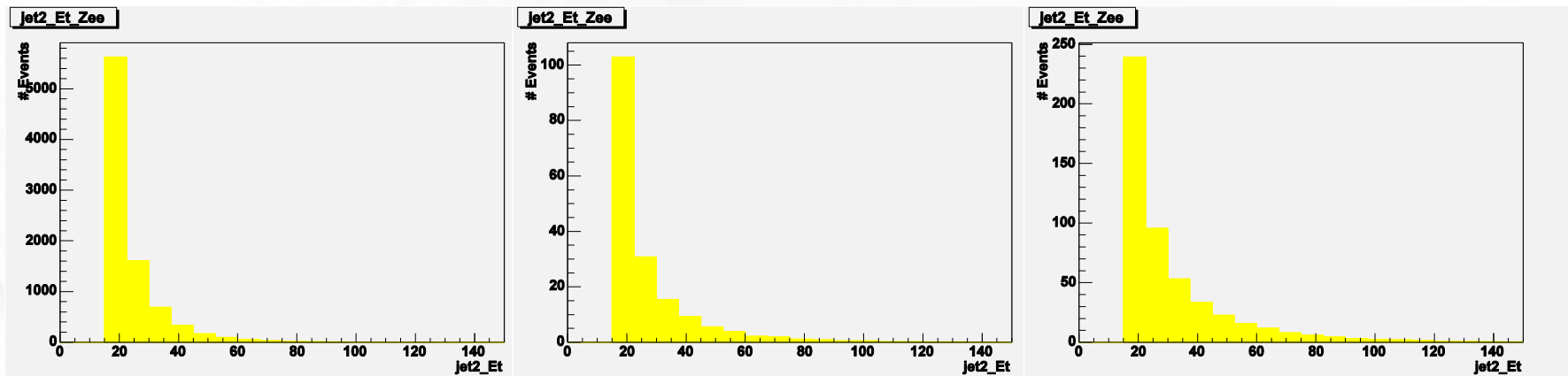
Jet 2 Et

Met < 27

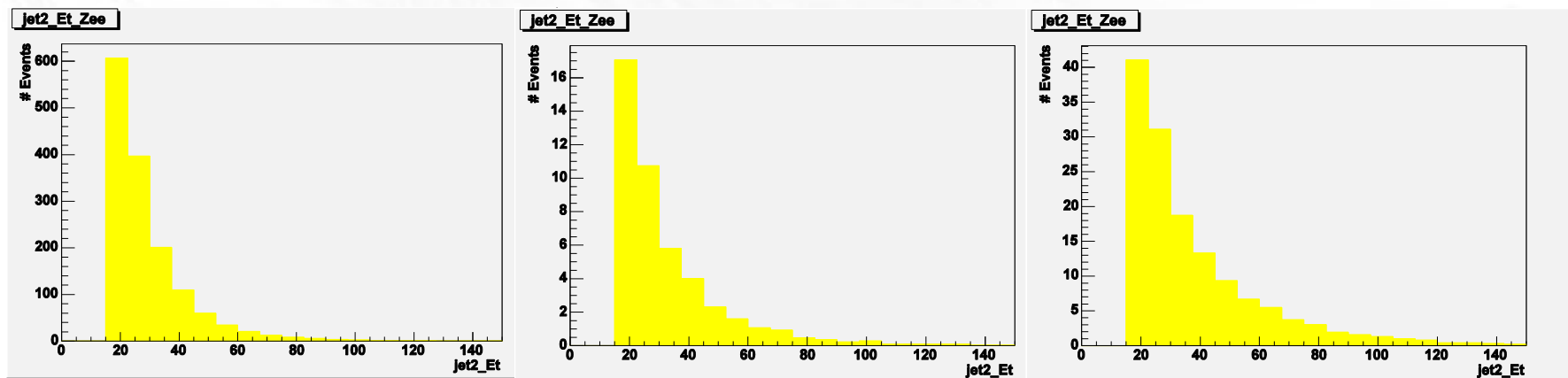
27 < Met < 29

Met > 29

2+J



3+J



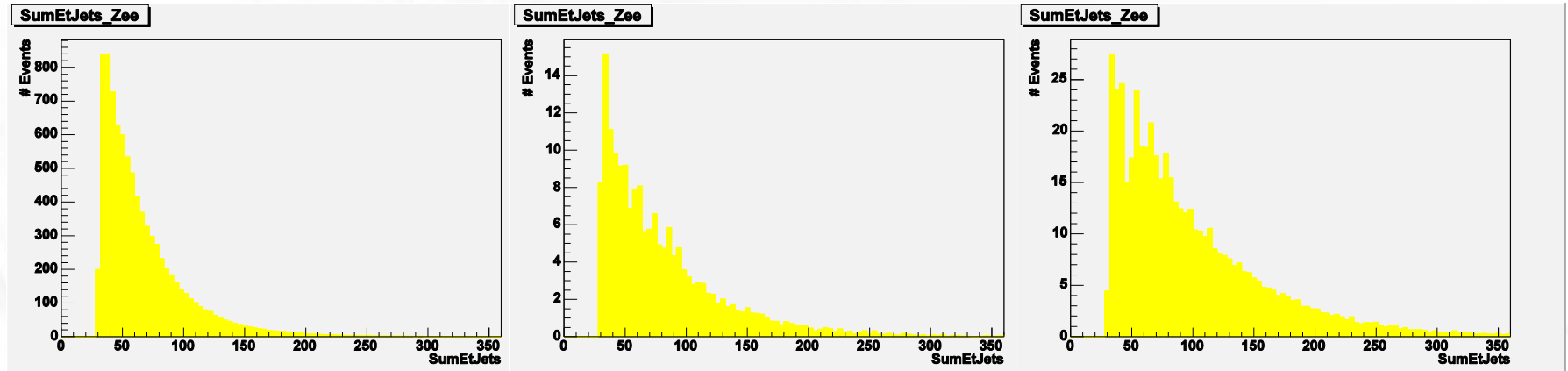
Sum (Jet Et)

Met < 27

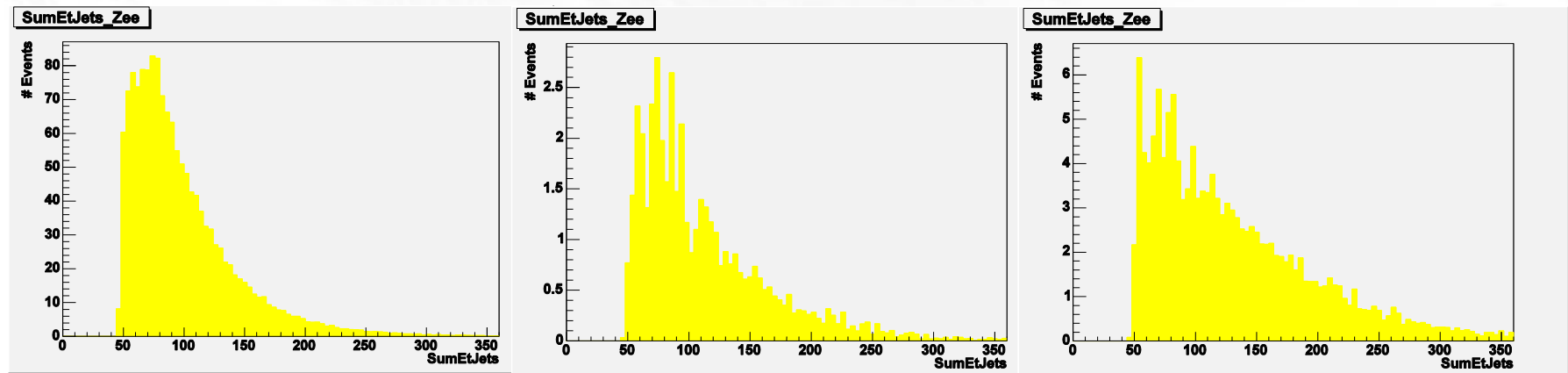
27 < Met < 29

Met > 29

2+J



3+J



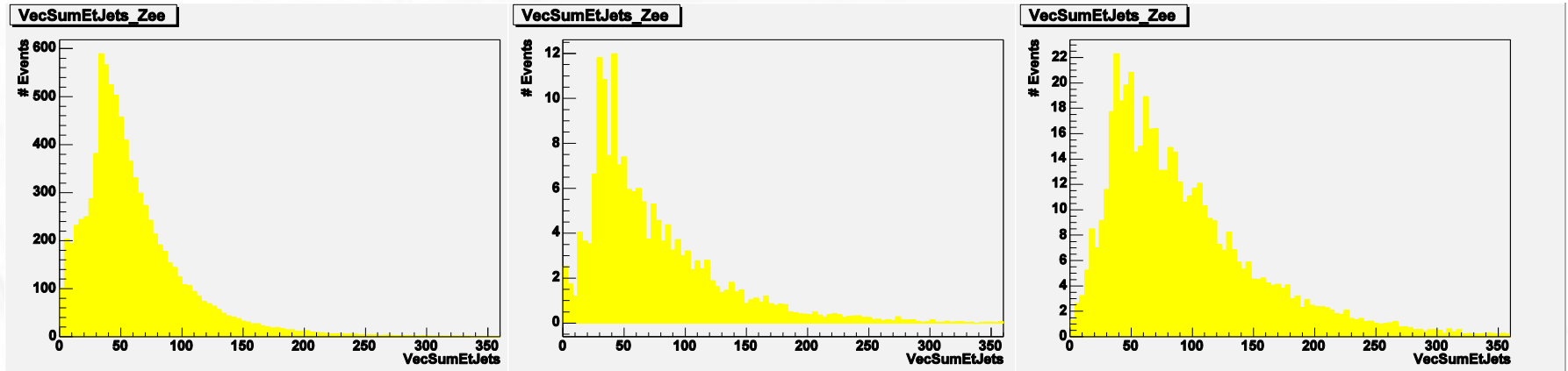
Et (Vector sum of jets)

Met < 27

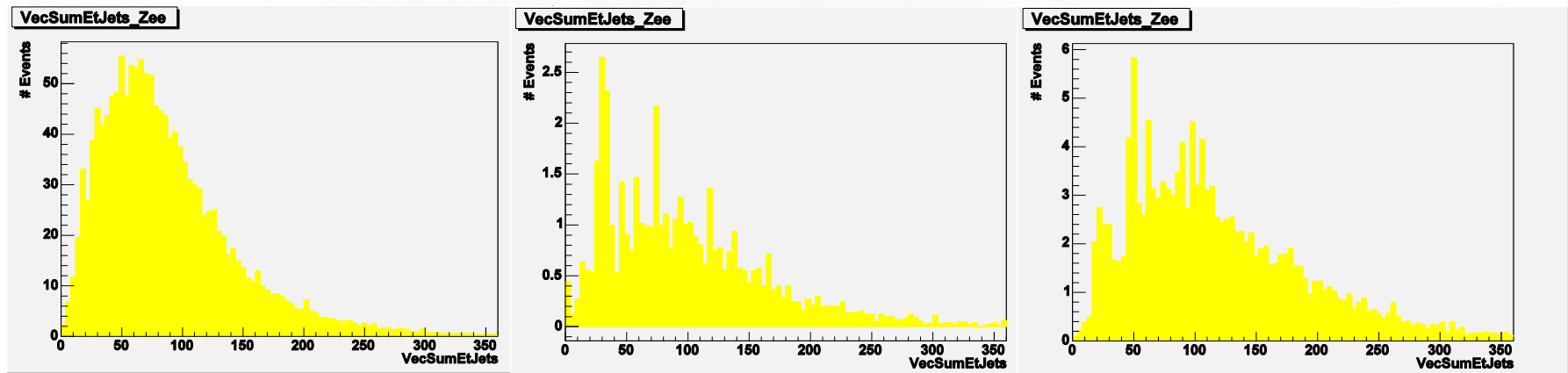
27 < Met < 29

Met > 29

2+J



3+J



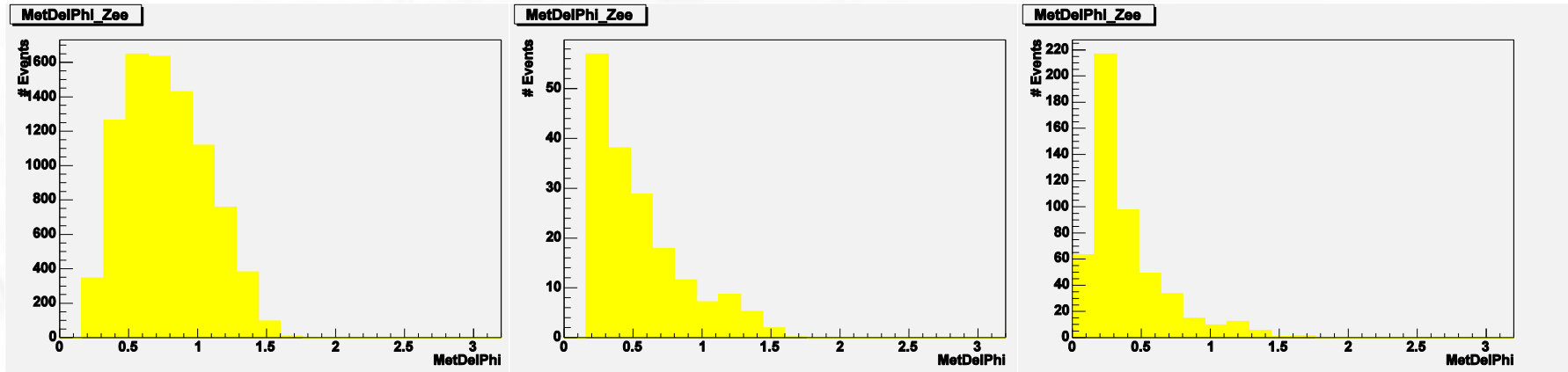
Met Delta Phi

Met < 27

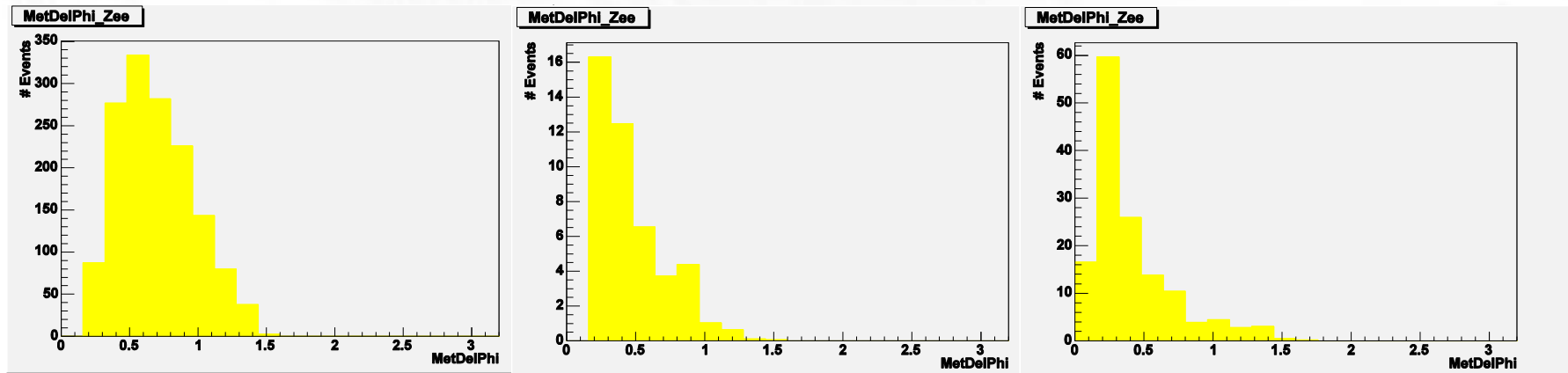
27 < Met < 29

Met > 29

2+J



3+J



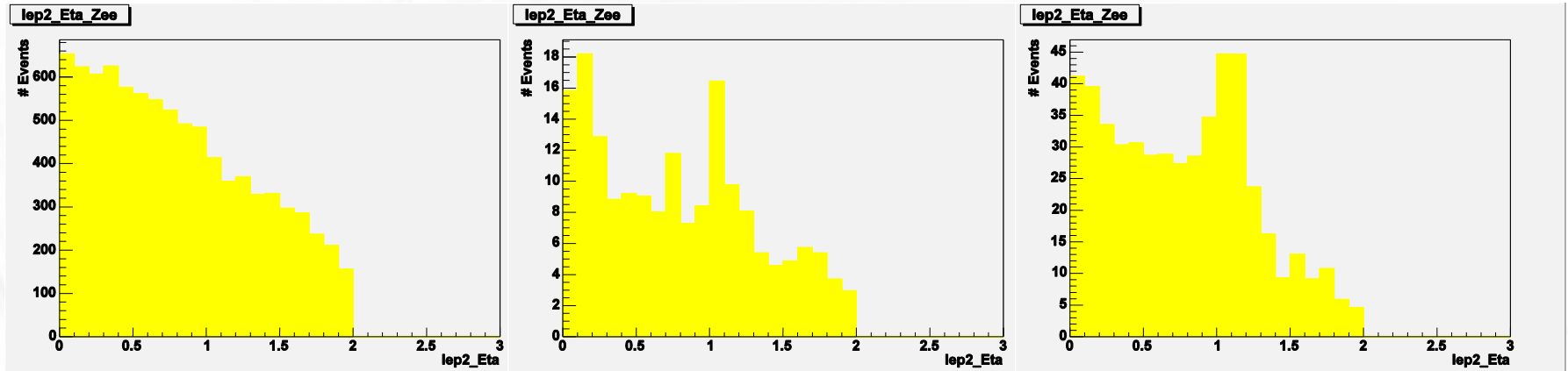
Lepton 2 Eta

Met < 27

27 < Met < 29

Met > 29

2+J



3+J

