

Matching Validation and kinematics of Z-photon and extra-jets

MadReport

March 5, 2008

Contents

1	Production 1 details	3
2	Differential Jet Rate	4
2.1	Production 1	4
3	X kinematics	5
3.1	Production 1	5
4	Jet P_T	6
4.1	Production 1	6
5	Jet rapidity	7
5.1	Jet Rapidity: Production 1, jets with minimal P_T of 20 Gev	7
5.2	Jet Rapidity: Production 1, jets with minimal P_T of 50 Gev	8
5.3	Jet Rapidity: Production 1, jets with minimal P_T of 100 Gev	9
6	Ht calculation	10
6.1	Ht calculation: Production 1, done with minimal P_T of 20 Gev	10
6.2	Ht calculation: Production 1, done with minimal P_T of 50 Gev	11
6.3	Ht calculation: Production 1, done with minimal P_T of 100 Gev	12
7	Missing ET	13
7.1	Production 1	13

1 Production 1 details

No banner for this production

2 Differential Jet Rate

2.1 Production 1

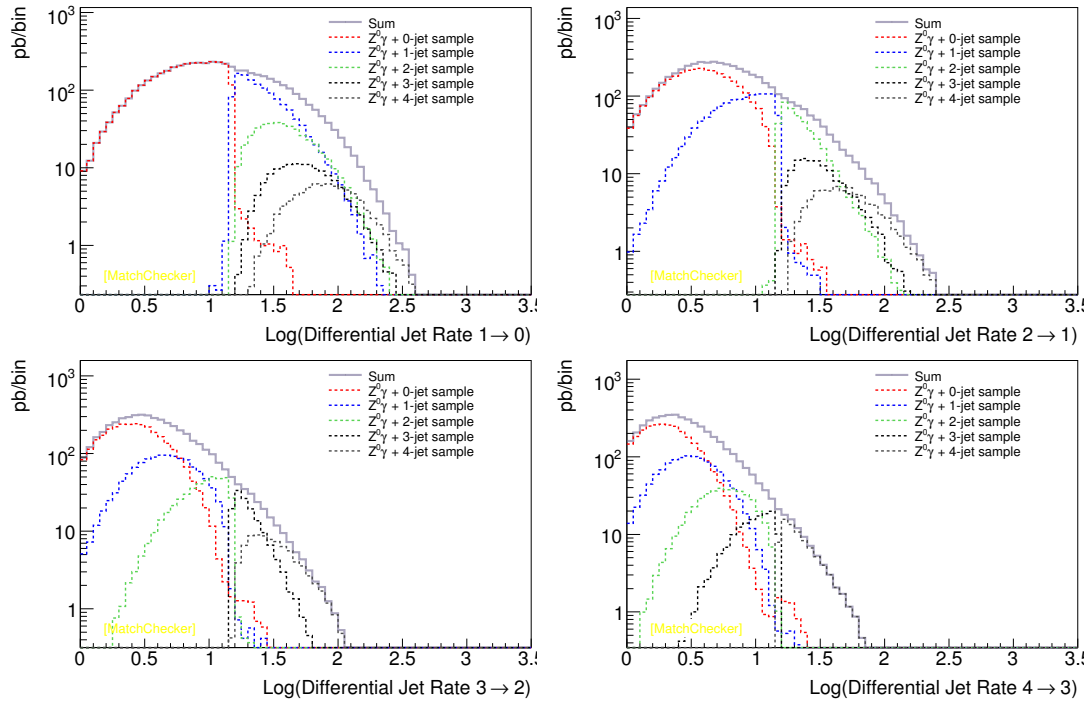


Figure 1: Differential jet rate with $Q_{cut}=15$ GeV.

3 X kinematics

3.1 Production 1

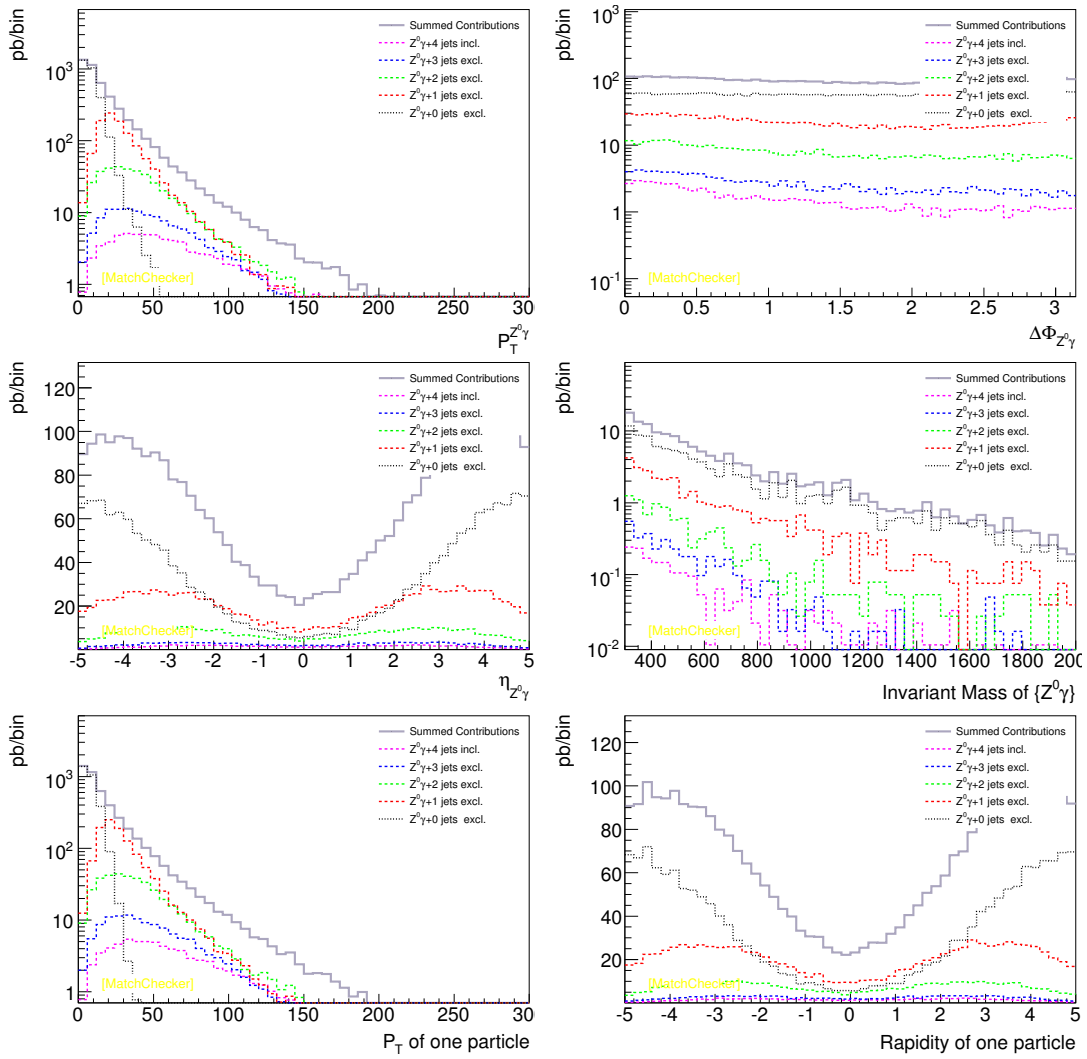
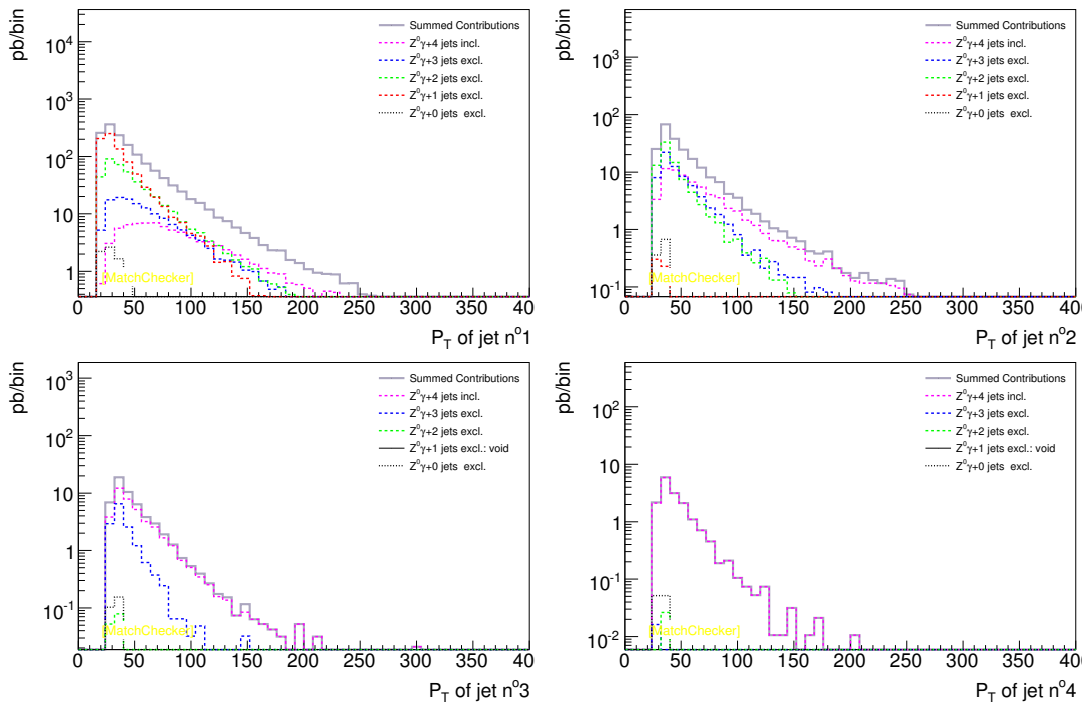


Figure 2: Kinematics variables for $Z^0\gamma$ with a multiplicity up to 4 using mg, .

4.1 Production 1

Figure 3: P_T of the four first extra-jets in P_T for $Z^0\gamma$ using mg, .

5 Jet rapidity

5.1 Jet Rapidity: Production 1, jets with minimal P_T of 20 Gev

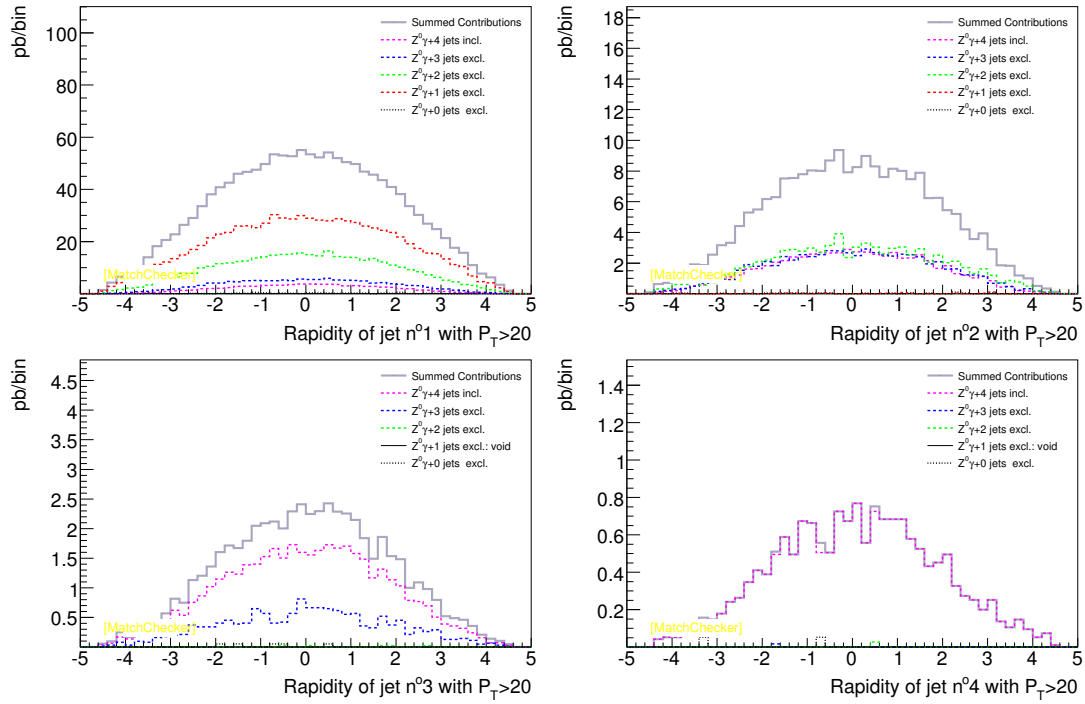


Figure 4: Pt of the four first extra-jets in Pt for $Z^0\gamma$ using mg. .

5.2 Jet Rapidity: Production 1, jets with minimal P_T of 50 Gev

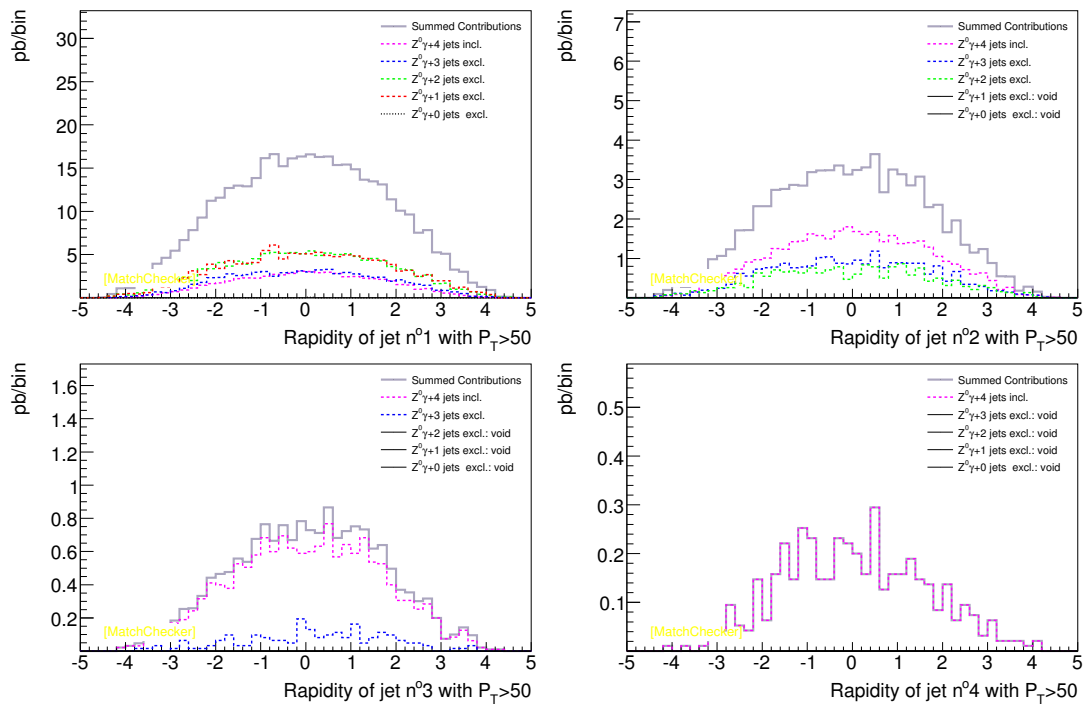


Figure 5: Pt of the four first extra-jets in Pt for $Z^0\gamma$ using mg. .

5.3 Jet Rapidity: Production 1, jets with minimal P_T of 100 Gev

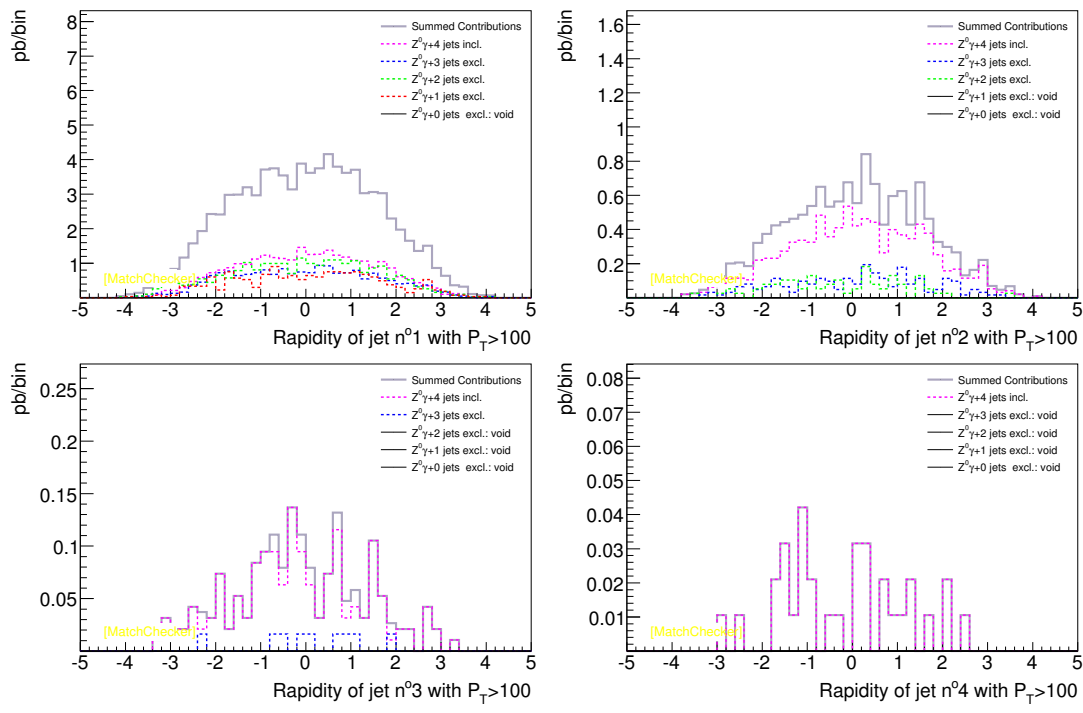


Figure 6: P_T of the four first extra-jets in P_T for $Z^0\gamma$ using mg. .

6 Ht calculation

6.1 Ht calculation: Production 1, done with minimal P_T of 20 Gev

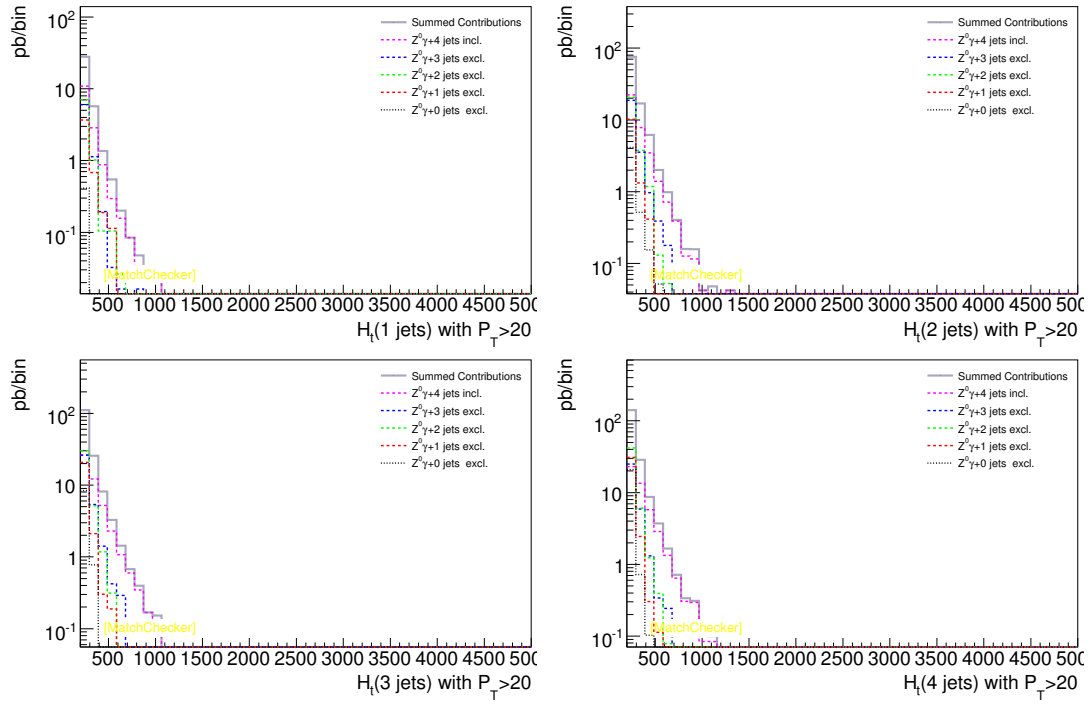


Figure 7: $H_t(0 \text{ to } 4)$ for $Z^0\gamma$ using mg.

6.2 Ht calculation: Production 1, done with minimal P_T of 50 Gev

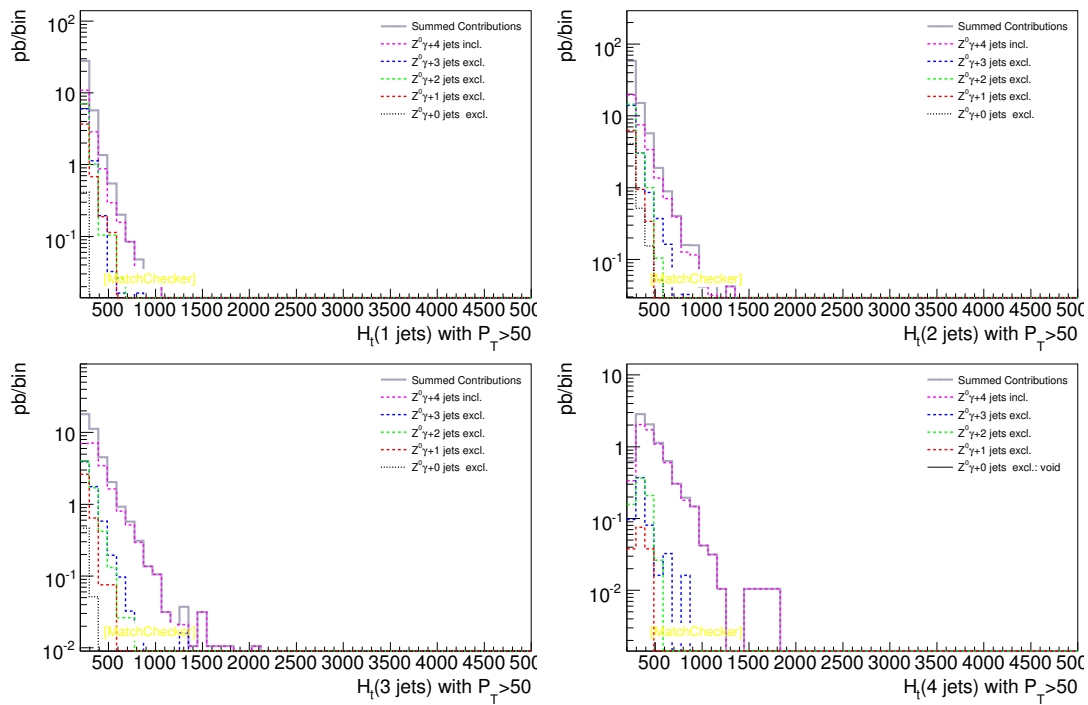


Figure 8: $H_t(0 \text{ to } 4)$ for $Z^0\gamma$ using mg.

6.3 Ht calculation: Production 1, done with minimal P_T of 100 Gev

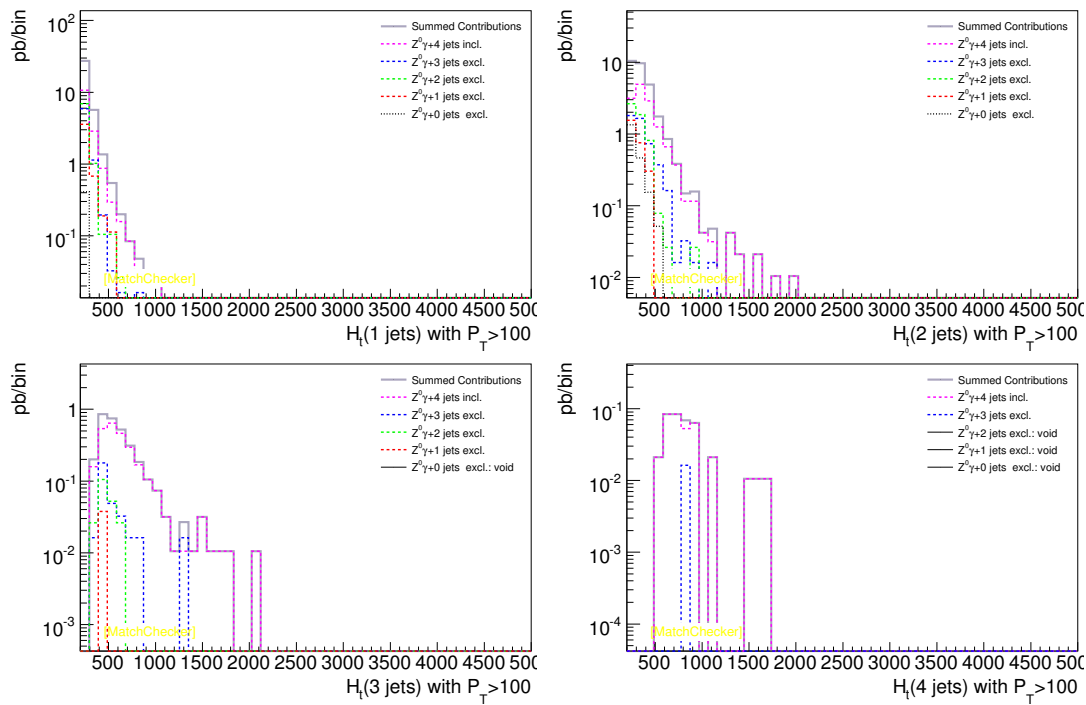


Figure 9: $H_t(0 \text{ to } 4)$ for $Z^0\gamma$ using mg.

7 Missing ET

7.1 Production 1

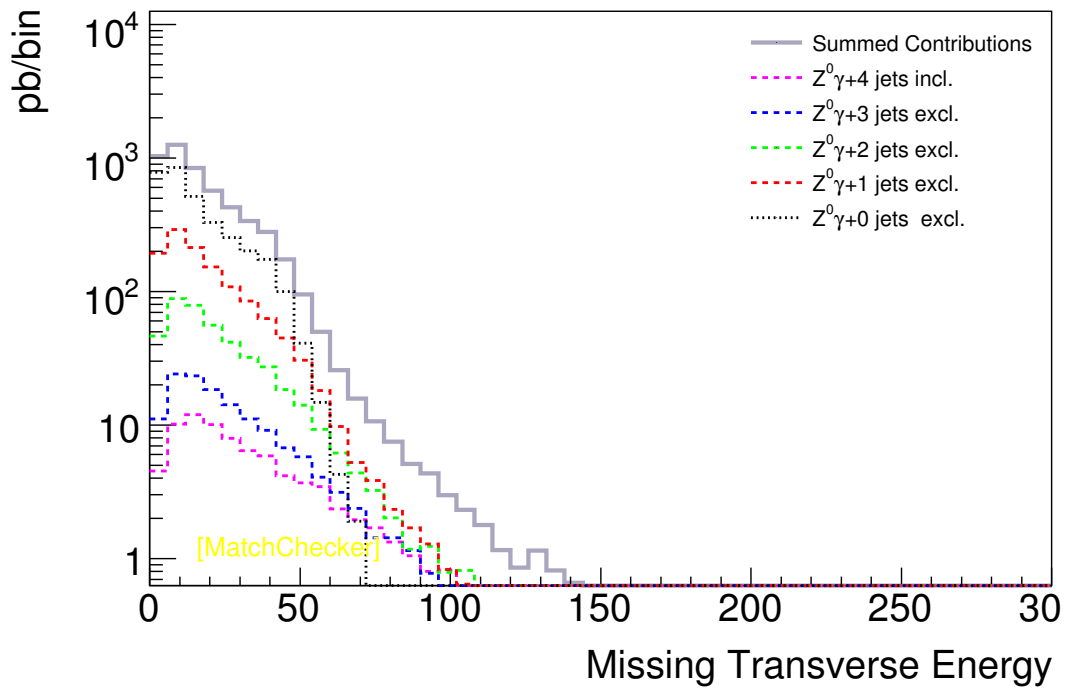


Figure 10: Kinematics variables for $Z^0\gamma$ with a multiplicity up to 4 using mg, .