Matching Validation and kinematics of anti-bottom-bottom and extra-jets

MadReport

February 29, 2008

Contents

1 Production 1 details

```
No banner for this production
```

2 Production 2 details

No banner for this production

3 Differential Jet Rate

3.1 Production 1

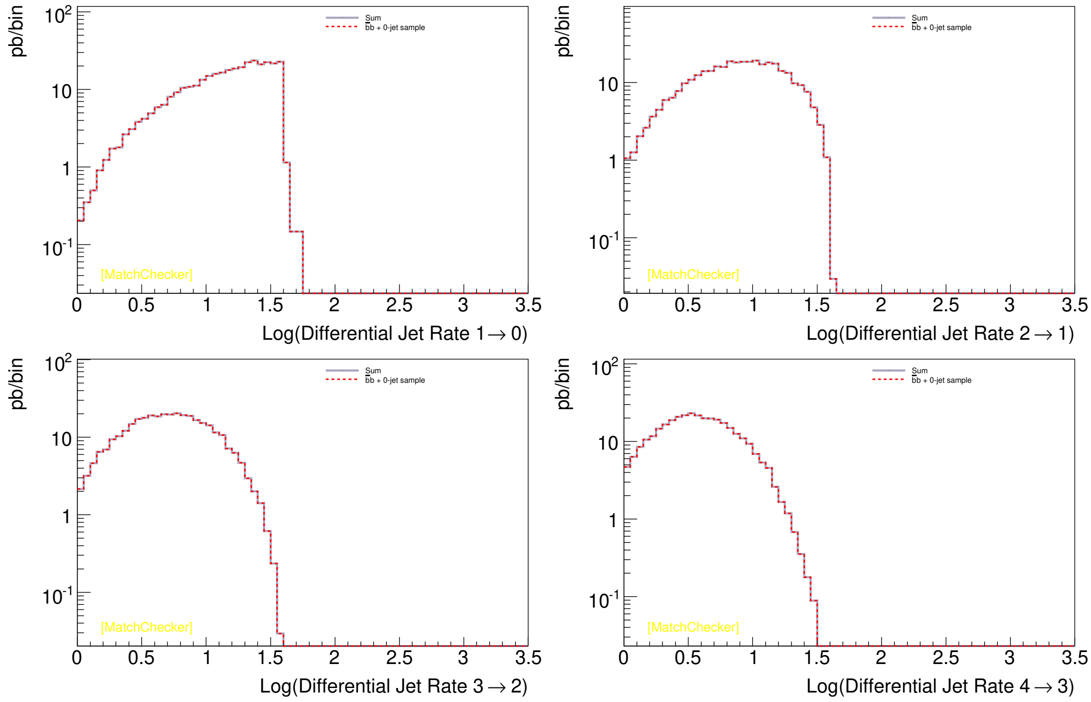

Figure 1: default

3.2 Production 2

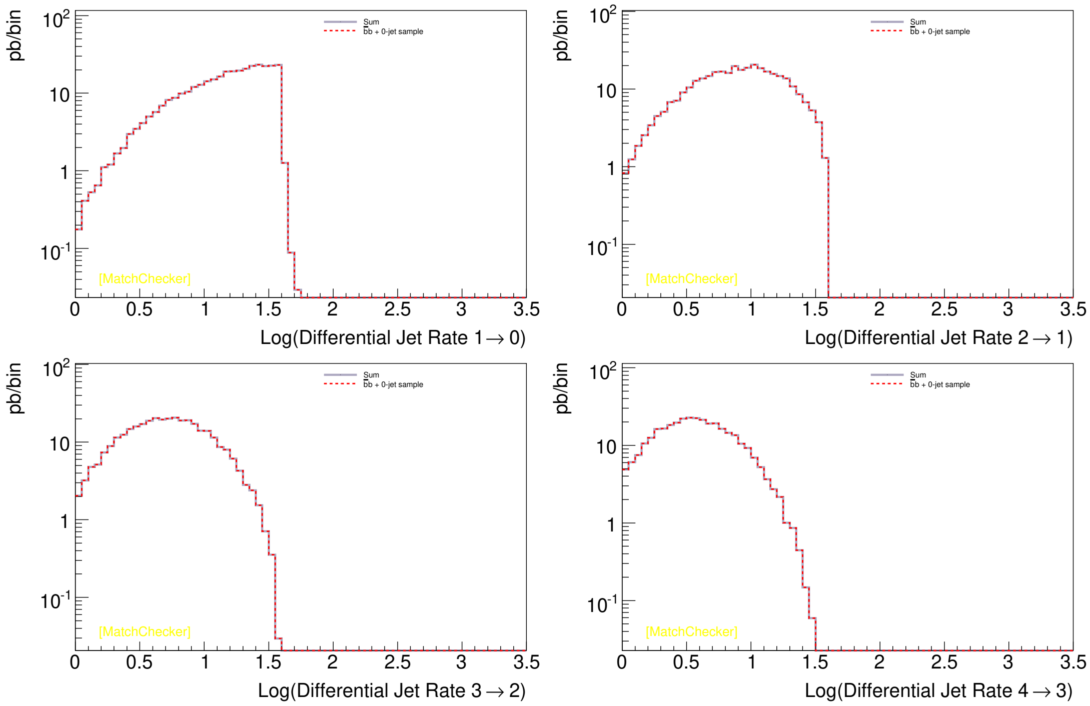

Figure 2: gridpack locally

3.3 Comparison of differential jet rates (global shapes) between productions

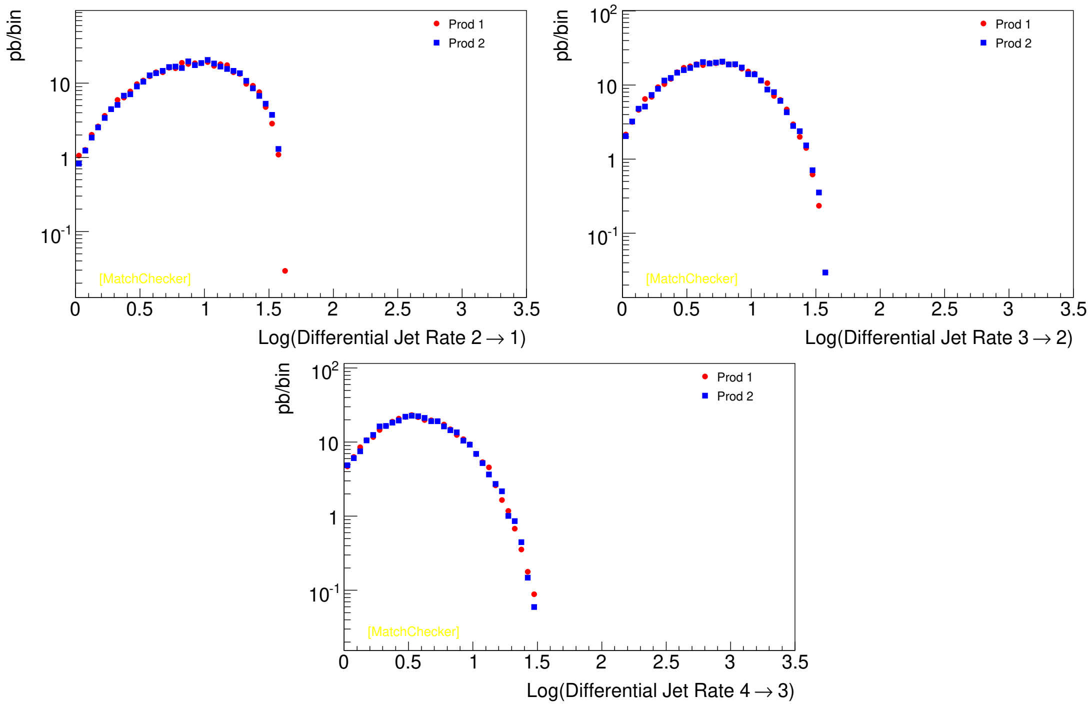

Figure 3: Comparison of differential jet rates between different parametrization .

3.4 Ratio of distribution

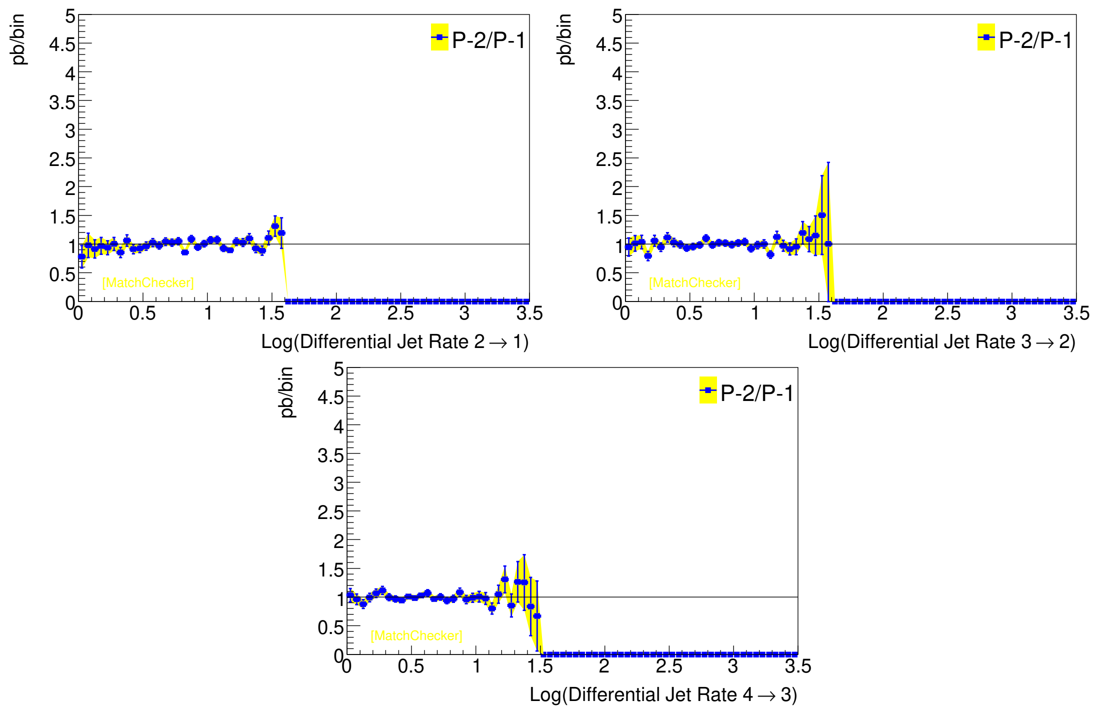

Figure 4: Comparison of differential jet rates between different parametrization .

4 X kinematics

4.1 Production 1

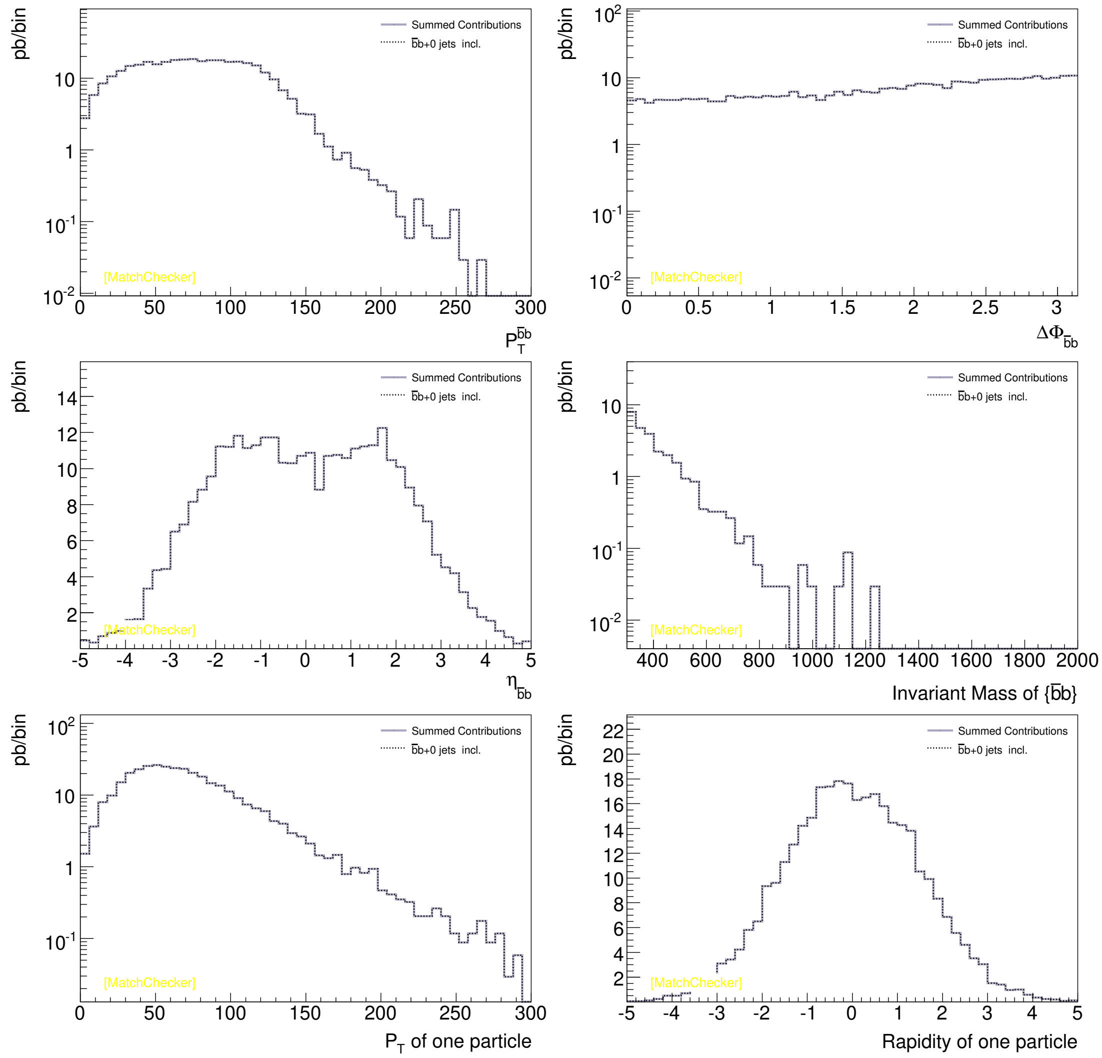

Figure 5: default

4.2 Production 2

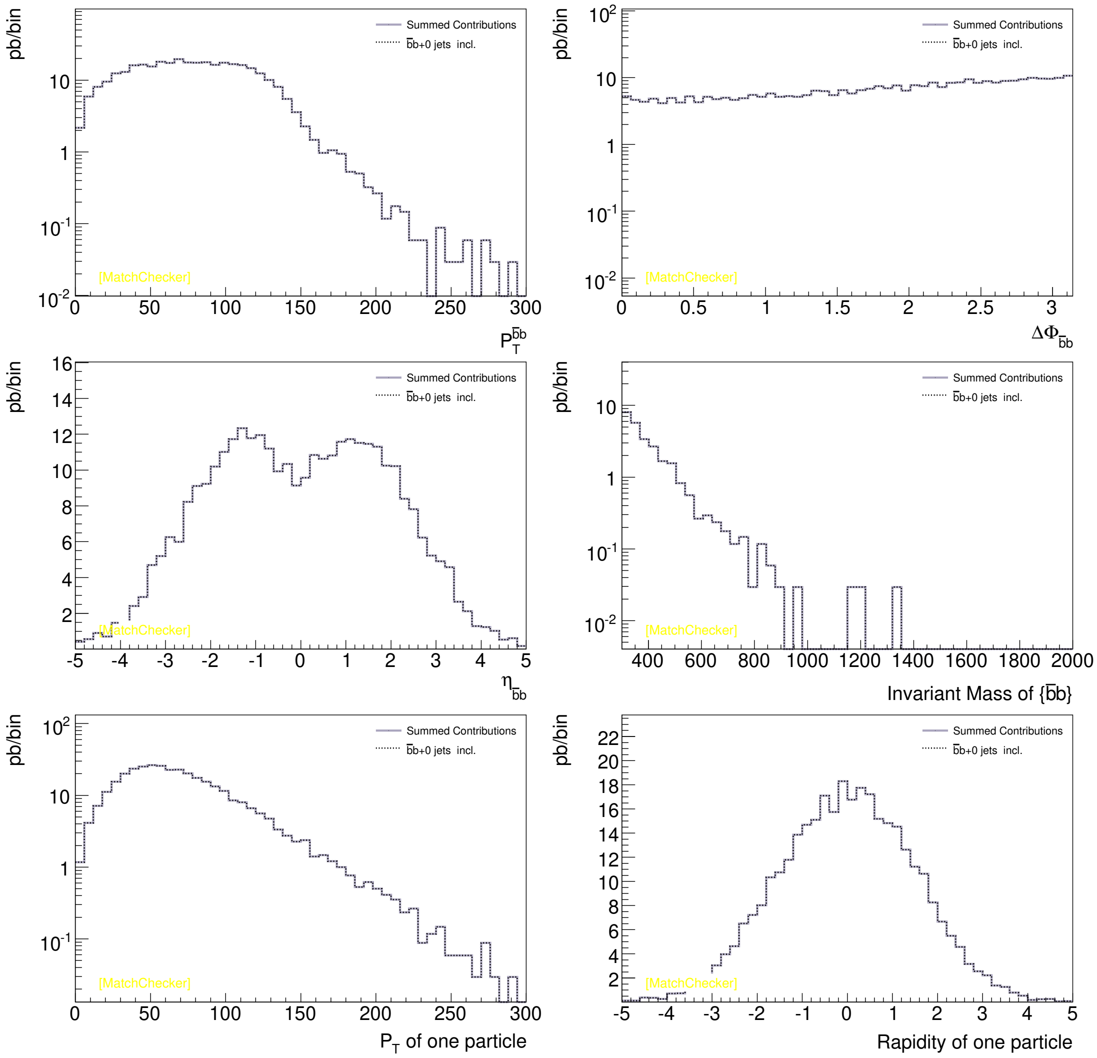

Figure 6: gridpack locally

4.3 Comparison of "X" kinematics (global shapes) between productions

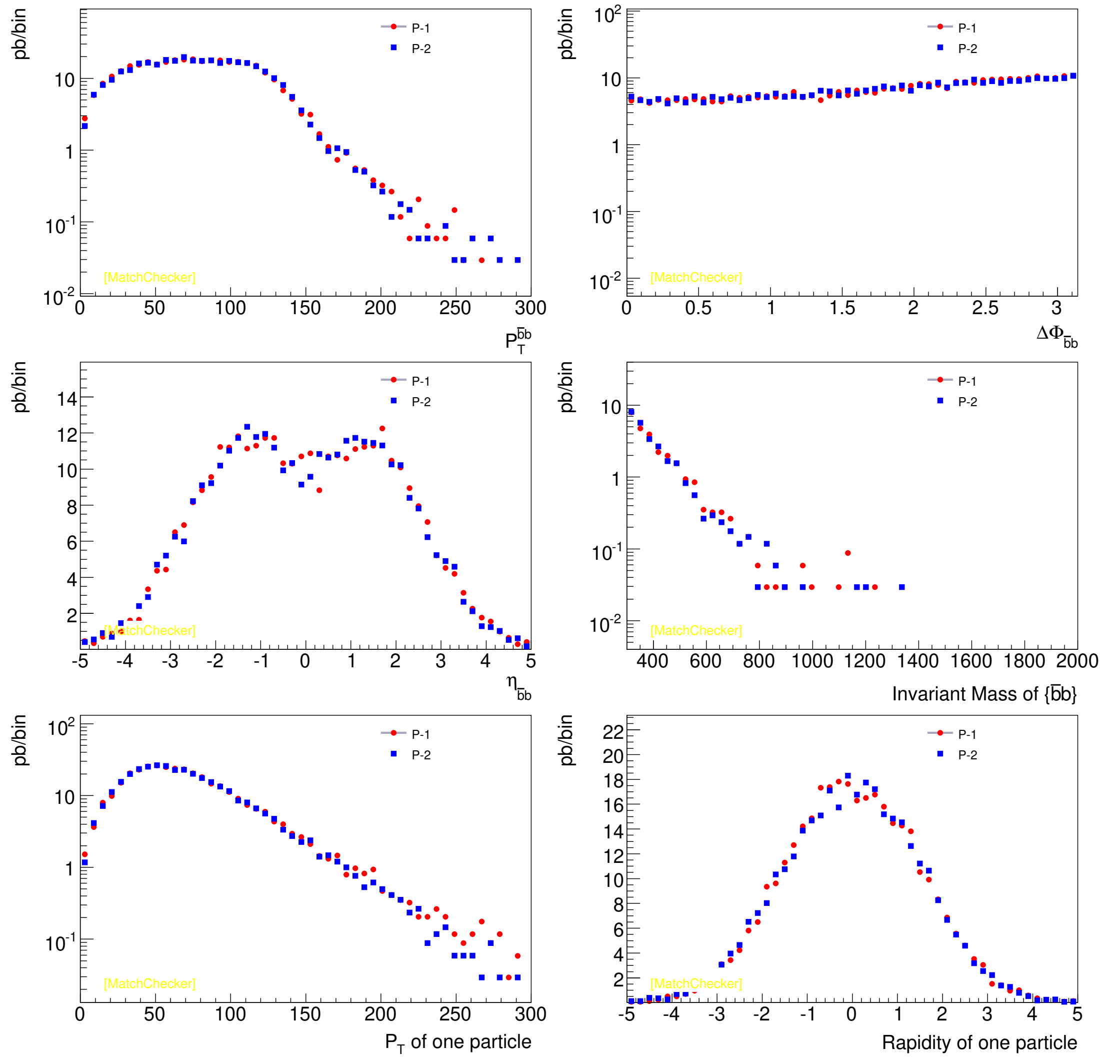

Figure 7: Comparison of kinematics variables for $\bar{b}b$.

4.4 Ratio of distributions

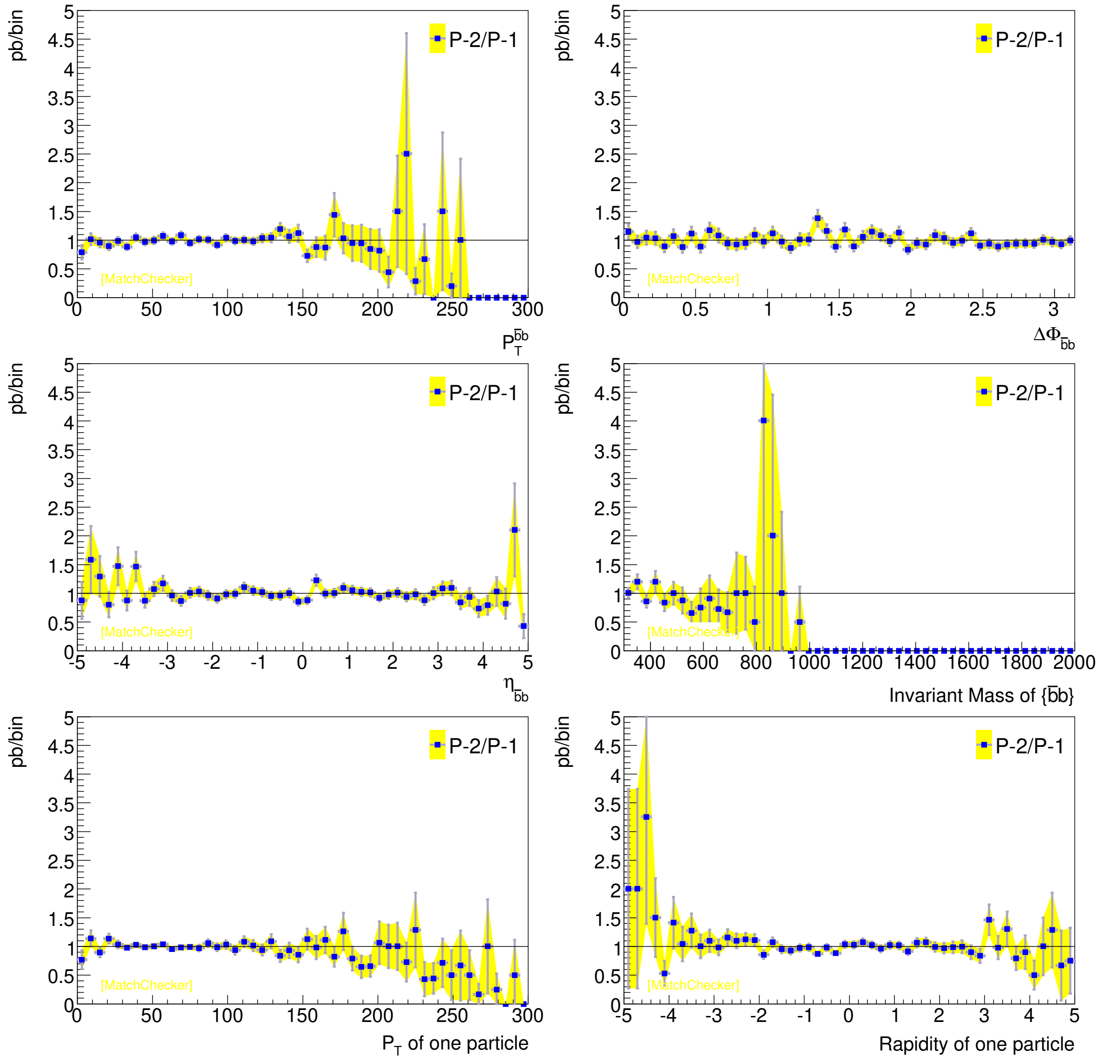

Figure 8: Comparison of kinematics variables for $\bar{b}b$.

5 Jet P_T

5.1 Production 1

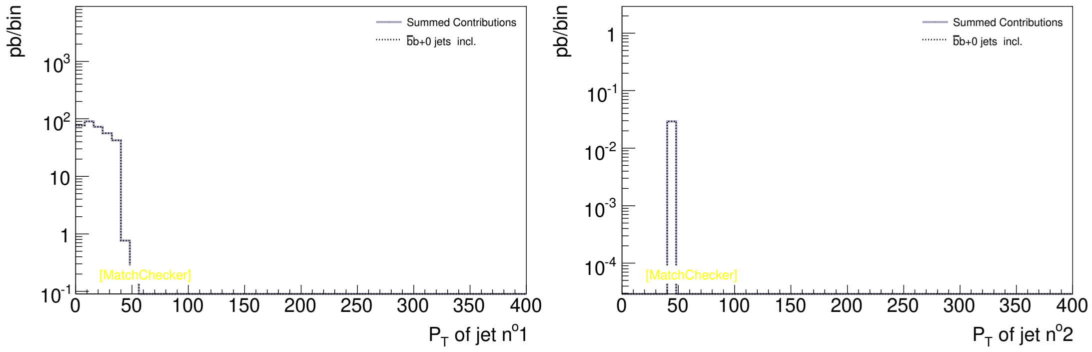

Figure 9: default

5.2 Production 2

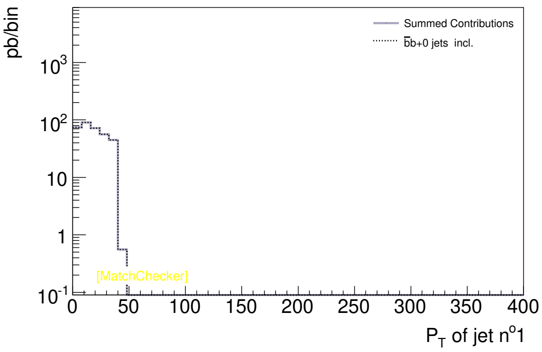

Figure 10: gridpack locally

5.3 Comparison of Jet kinematics (global shapes) between productions

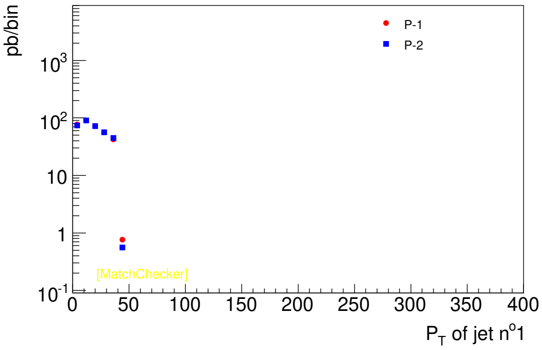

Figure 11: Comparison of kinematics variables for $\bar{b}b$.

5.4 Ratio of distributions

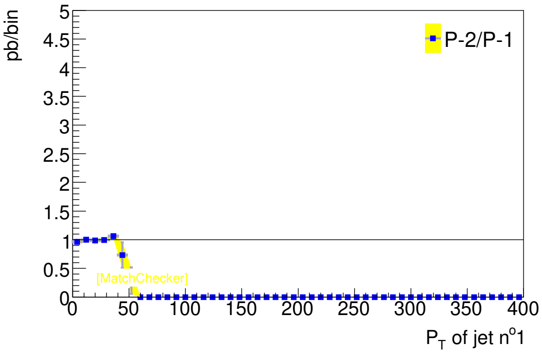

Figure 12: Comparison of kinematics variables for $\bar{b}b$.

6 Jet rapidity

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

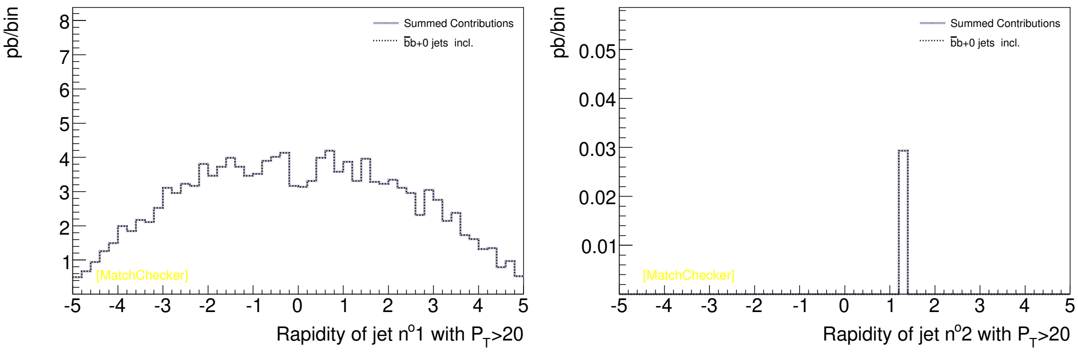

Figure 13: default

6.2 Jet Rapidity: Production 2, jets with minimal P_T of 20 Gev

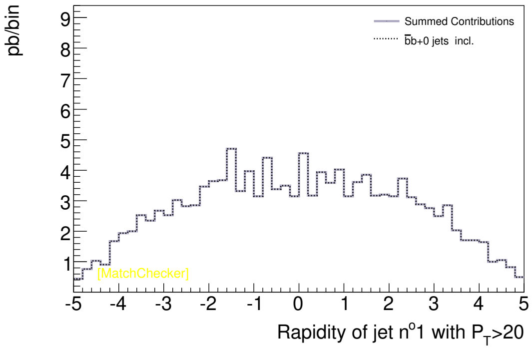

Figure 14: gridpack locally

6.3 Comparison of Jets with a cut of 20 Gev in P_T

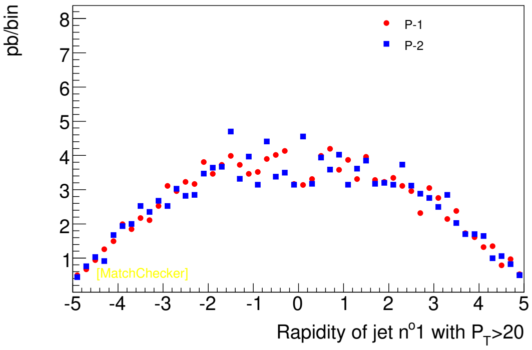

Figure 15: Comparison of kinematics variables for $\bar{b}b$.

6.4 Ratio of distributions

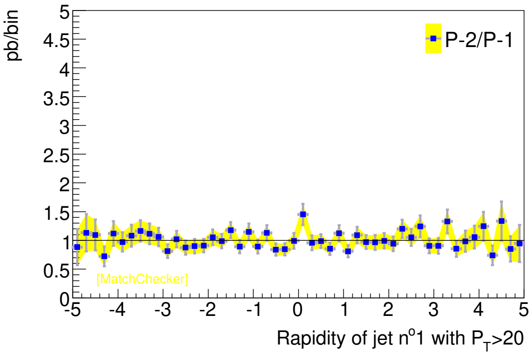

Figure 16: Comparison of kinematics variables for $\bar{b}b$.

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

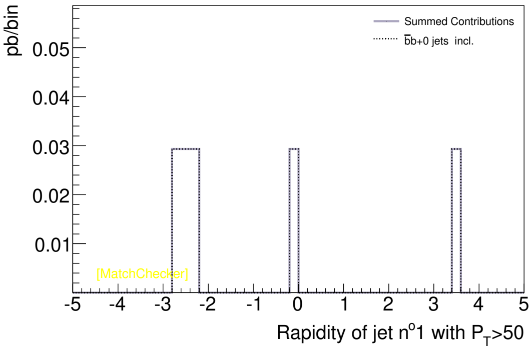

Figure 17: default

6.6 Jet Rapidity: Production 2, jets with minimal P_T of 50 Gev

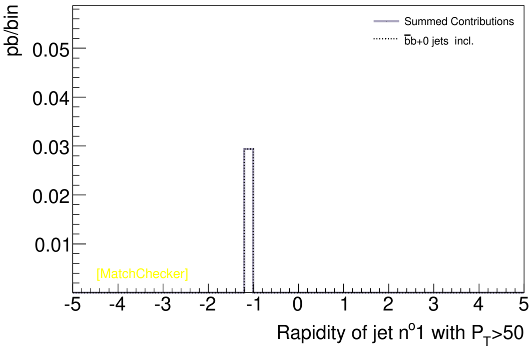

Figure 18: gridpack locally

6.7 Comparison of Jets with a cut of 50 Gev in P_T

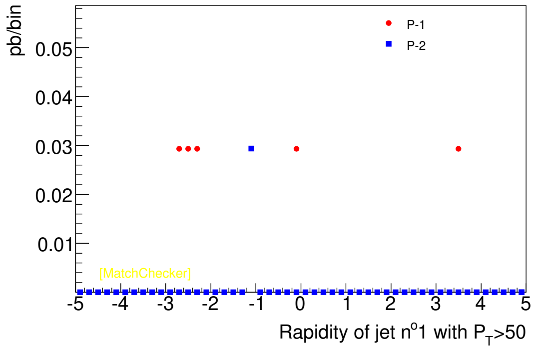

Figure 19: Comparison of kinematics variables for $\bar{b}b$.

6.8 Ratio of distributions

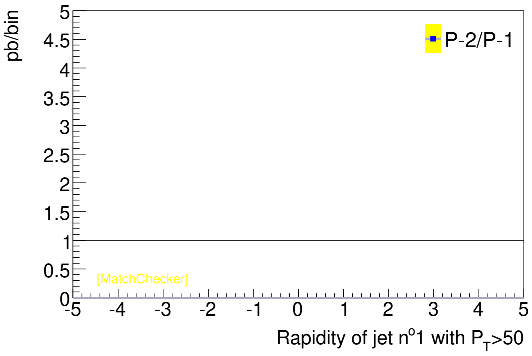

Figure 20: Comparison of kinematics variables for $\bar{b}b$.

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

Figure 21: default

6.10 Jet Rapidity: Production 2, jets with minimal P_T of 100 Gev

Figure 22: gridpack locally

6.11 Comparison of Jets with a cut of 100 Gev in P_T

Figure 23: Comparison of kinematics variables for $\overline{b}b$.

6.12 Ratio of distributions

Figure 24: Comparison of kinematics variables for $\bar{b}b$.

7 Ht calculation

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

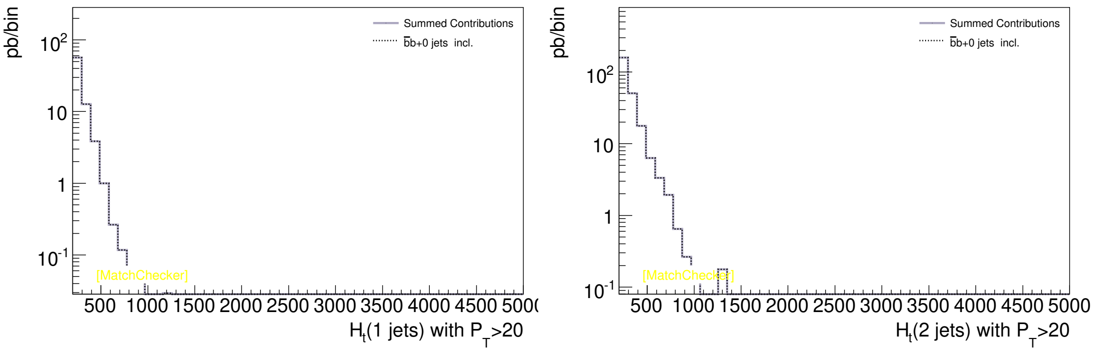

Figure 25: default

7.2 Ht calculation: Production 2, done with minimal P_T of 20 Gev

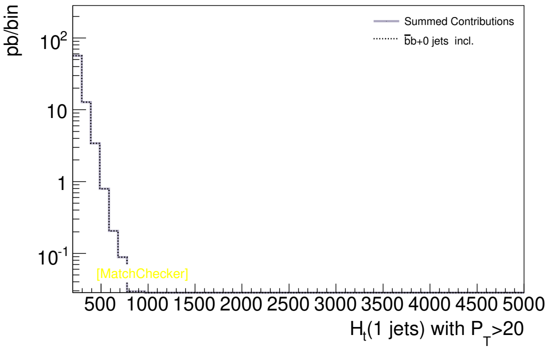

Figure 26: gridpack locally

7.3 Comparison of Ht(0 to 4) with a cut of 20 Gev in P_T

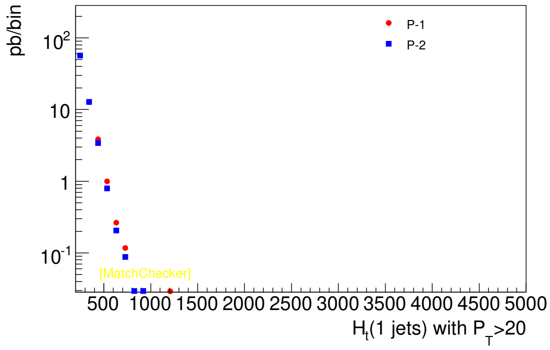

Figure 27: Comparison of Ht(0 to 4) variables for $\bar{b}b$.

7.4 Ratio of distributions

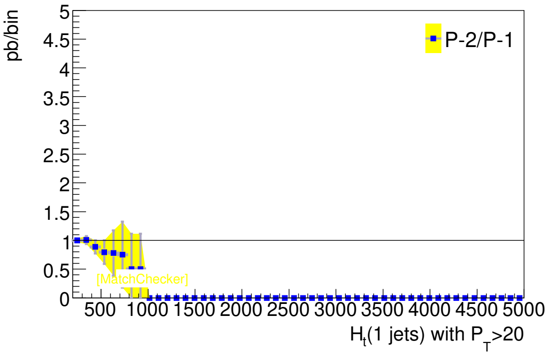

Figure 28: Ratio of Ht(0 to 4) for $\bar{b}b$.

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

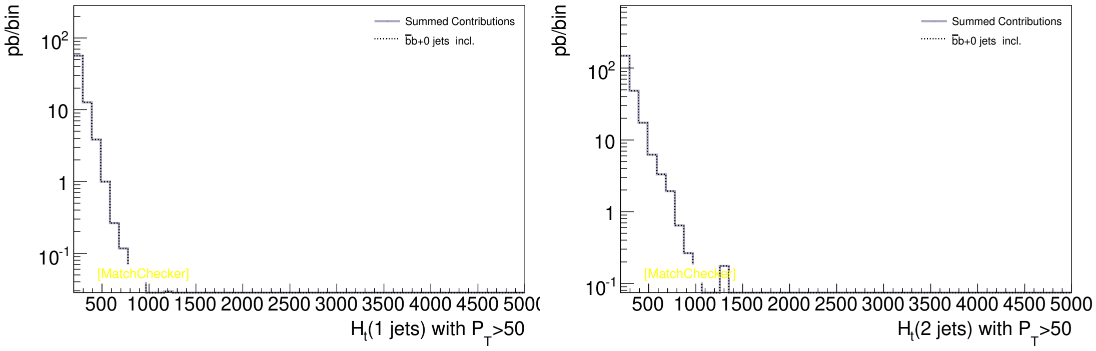

Figure 29: default

7.6 Ht calculation: Production 2, done with minimal P_T of 50 Gev

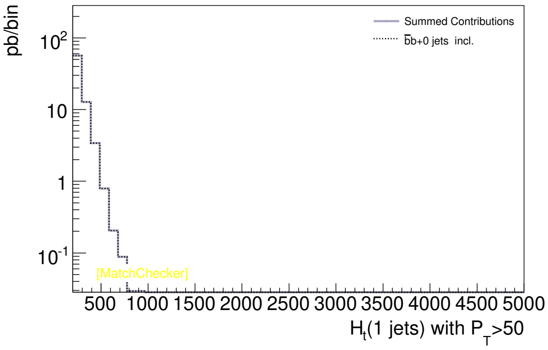

Figure 30: gridpack locally

7.7 Comparison of Ht(0 to 4) with a cut of 50 Gev in P_T

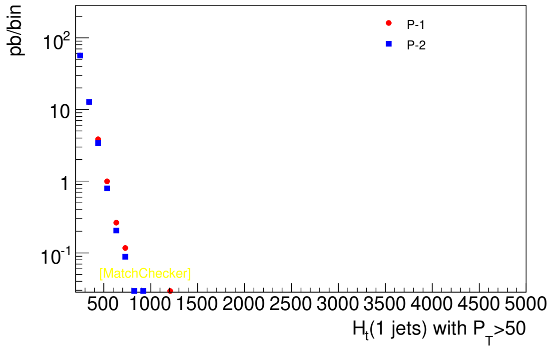

Figure 31: Comparison of Ht(0 to 4) variables for $\overline{b}b$.

7.8 Ratio of distributions

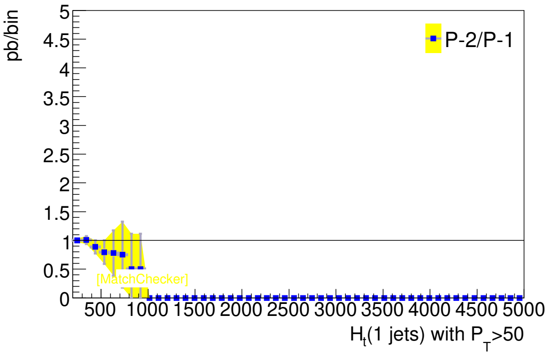

Figure 32: Ratio of Ht(0 to 4) for $\overline{b}b$.

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

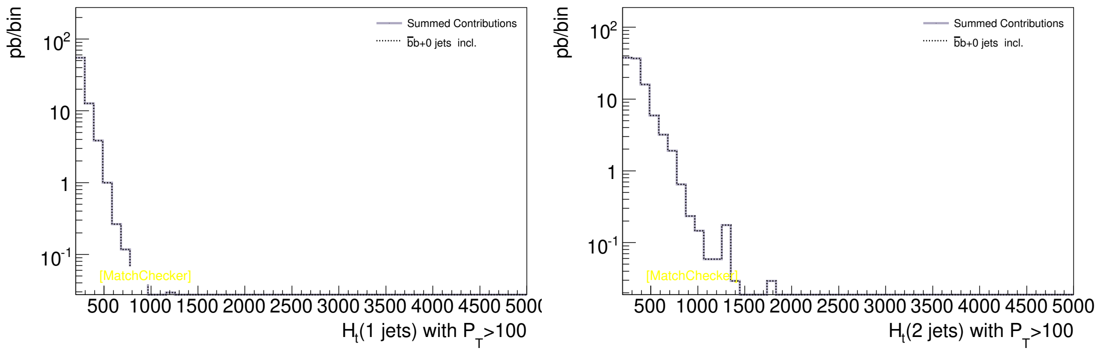

Figure 33: default

7.10 Ht calculation: Production 2, done with minimal P_T of 100 Gev

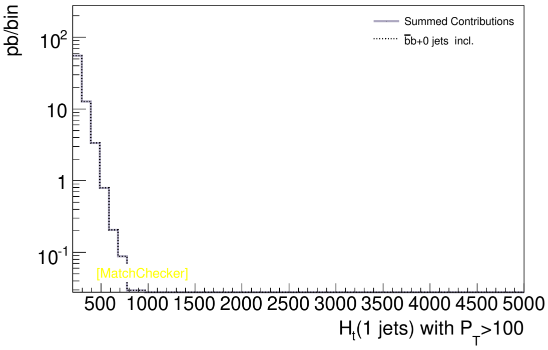

Figure 34: gridpack locally

7.11 Comparison of Ht(0 to 4) with a cut of 100 Gev in P_T

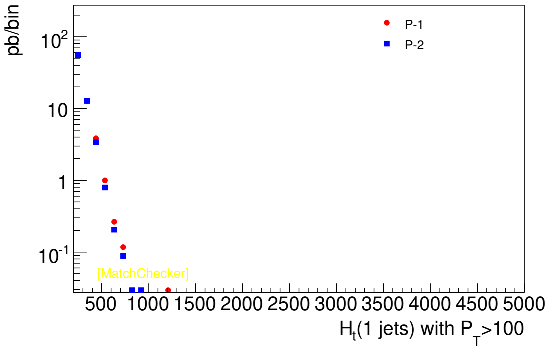

Figure 35: Comparison of Ht(0 to 4) variables for $\overline{b}b$.

7.12 Ratio of distributions

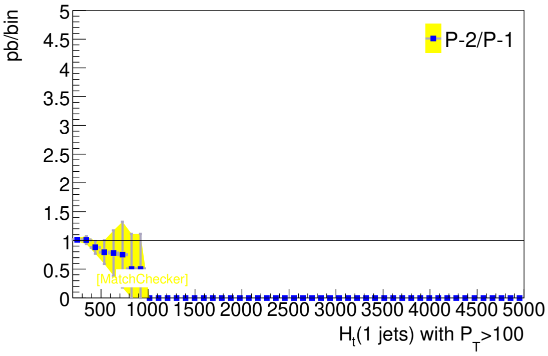

Figure 36: Ratio of Ht(0 to 4) for $\bar{b}b$.

8 Missing ET

8.1 Production 1

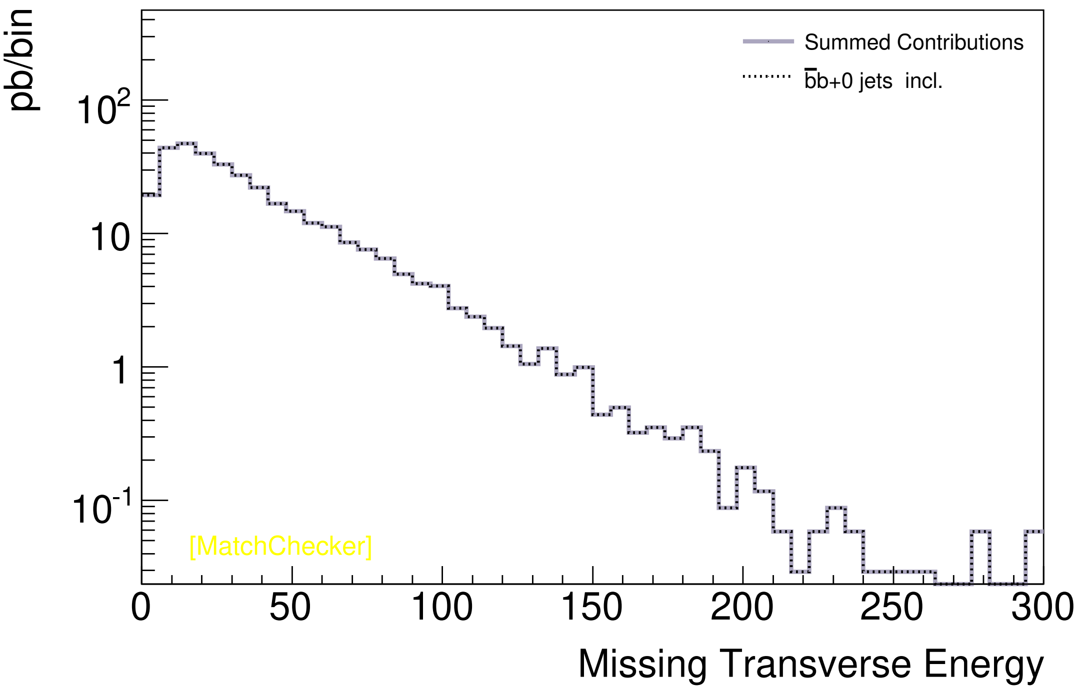

Figure 37: default

8.2 Production 2

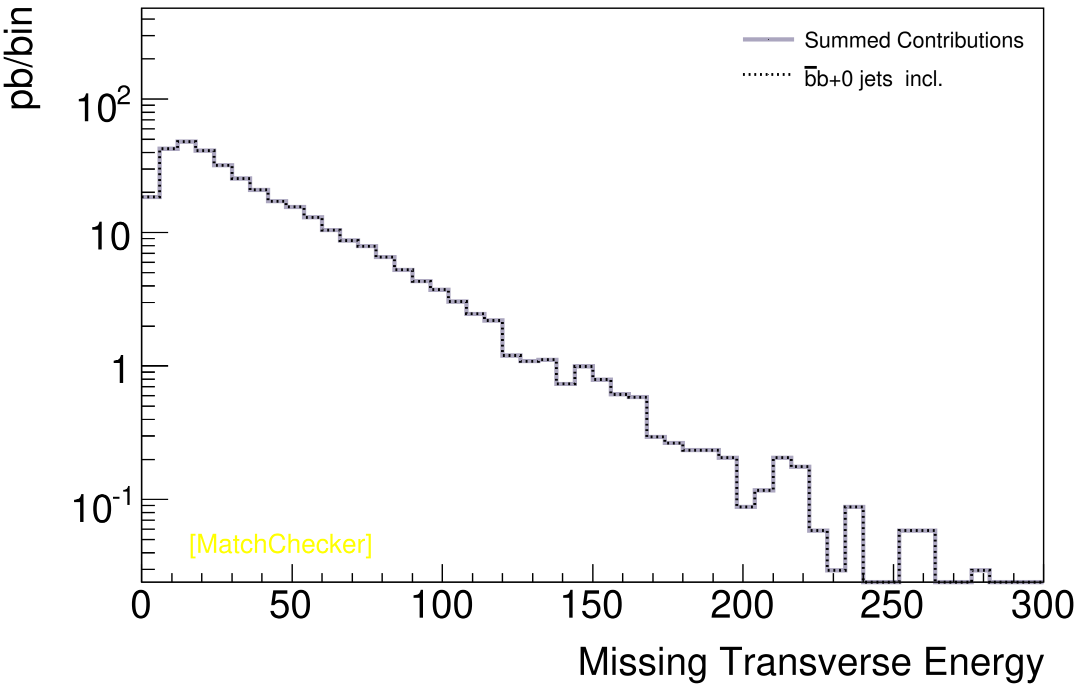

Figure 38: gridpack locally

8.3 Comparison of Missing ET (global shapes) between productions

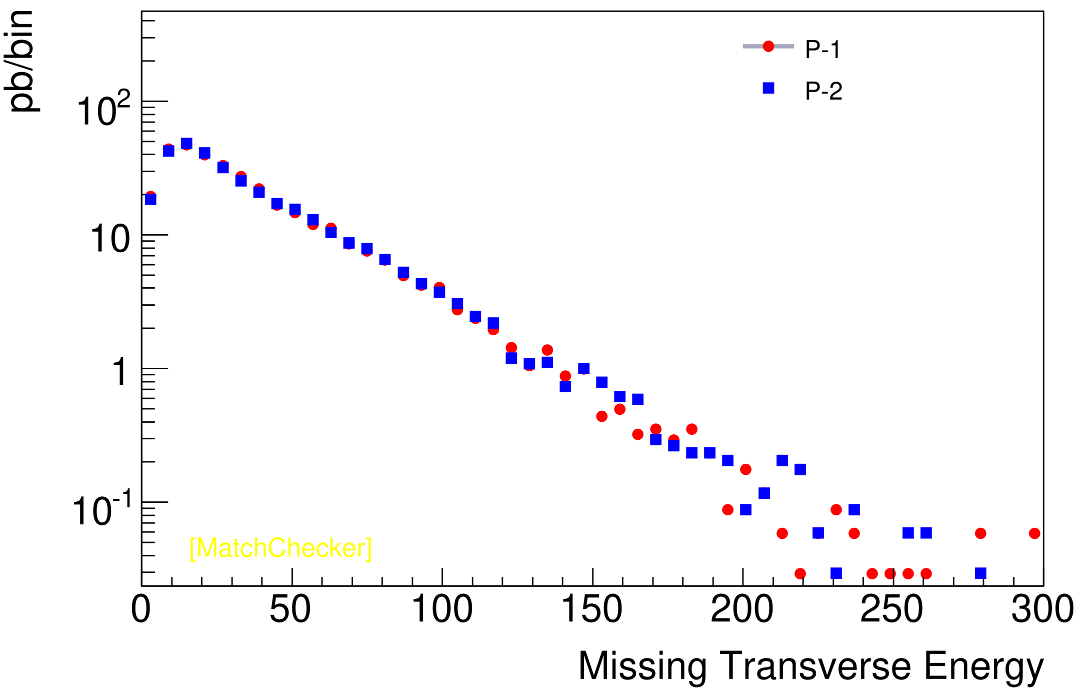

Figure 39: Comparison of kinematics variables for $\bar{b}b$.

8.4 Ratio of distributions

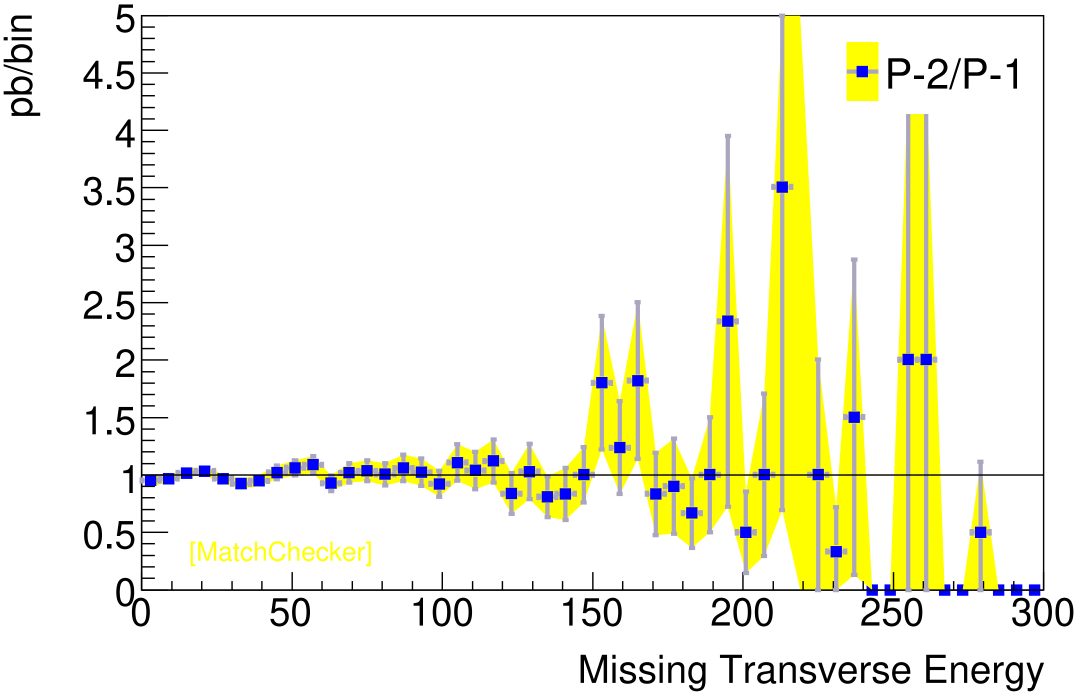

Figure 40: Comparison of kinematics variables for $\bar{b}b$.