

W Transverse Mass (70,120] GeV

Varsha ramakrishnan

Tight/W/MET Cuts

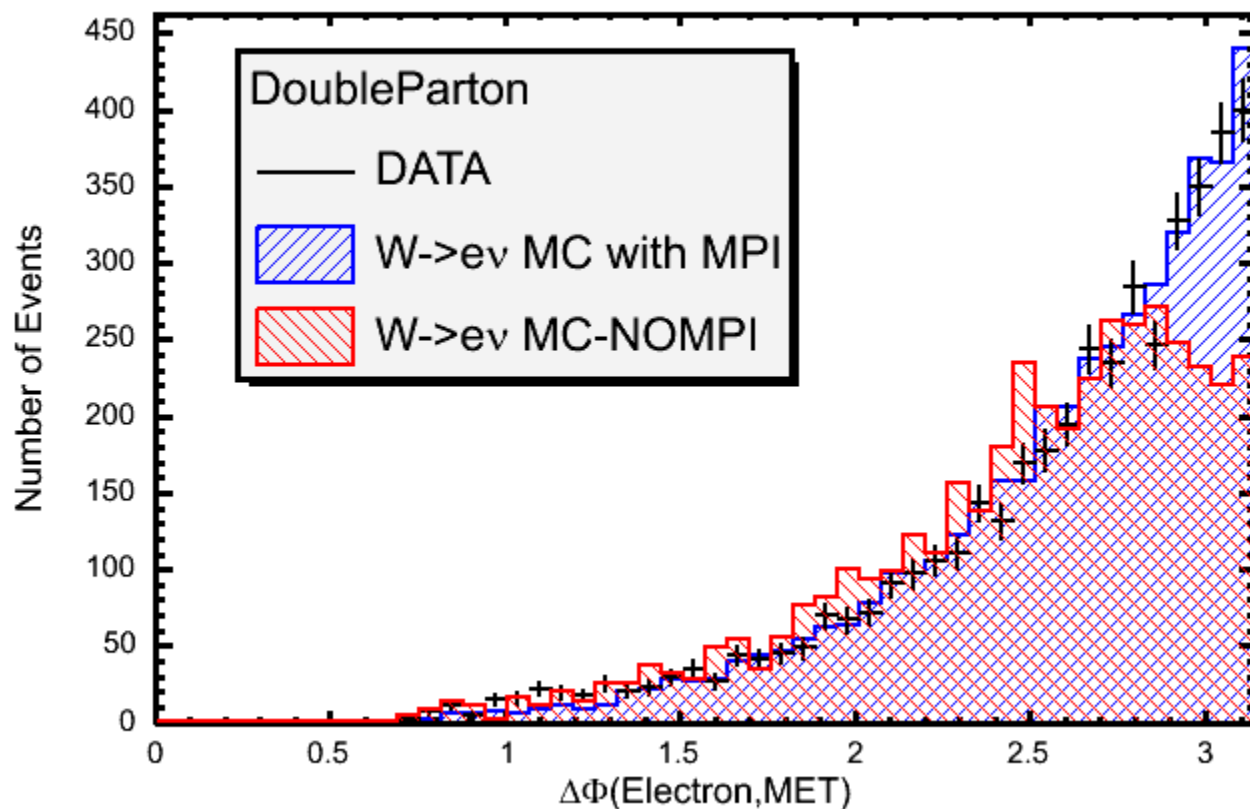
- Tight electron cuts applied to select the Electron from the Ntuple
- Electron-Jet object removed from the Jets in the Ntuple
- Jets with L5 JES corrected $ET > 5 \text{ GeV}$ and $|\eta| < 2$ selected
- $\Delta R(\text{Electron}, \text{Closest-Jet}) > 0.92 (1.3 * \text{radius of cone})$
- $\Delta \phi(\text{MET}, \text{All-Jets}) > 0.7$
- Missing ET corrected for Muons/Jets-Selected
- ONLY ONE Tight-Electron, $\text{MET} > 30 \text{ GeV}$, Transverse Mass $> 50 \text{ GeV}$
- Atleast TWO Jets (as selected above)
- Above Leading/.Second Jet need to have atleast TWO TRACKS in them

W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

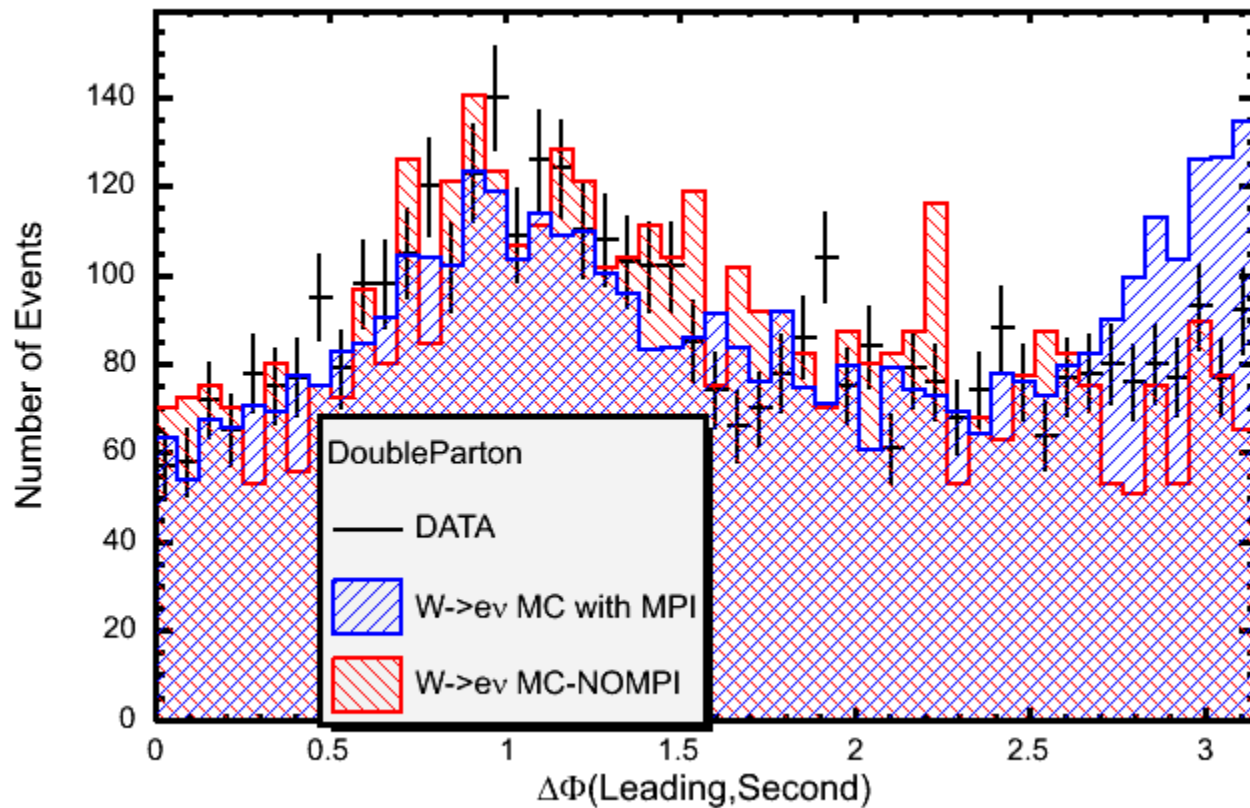


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

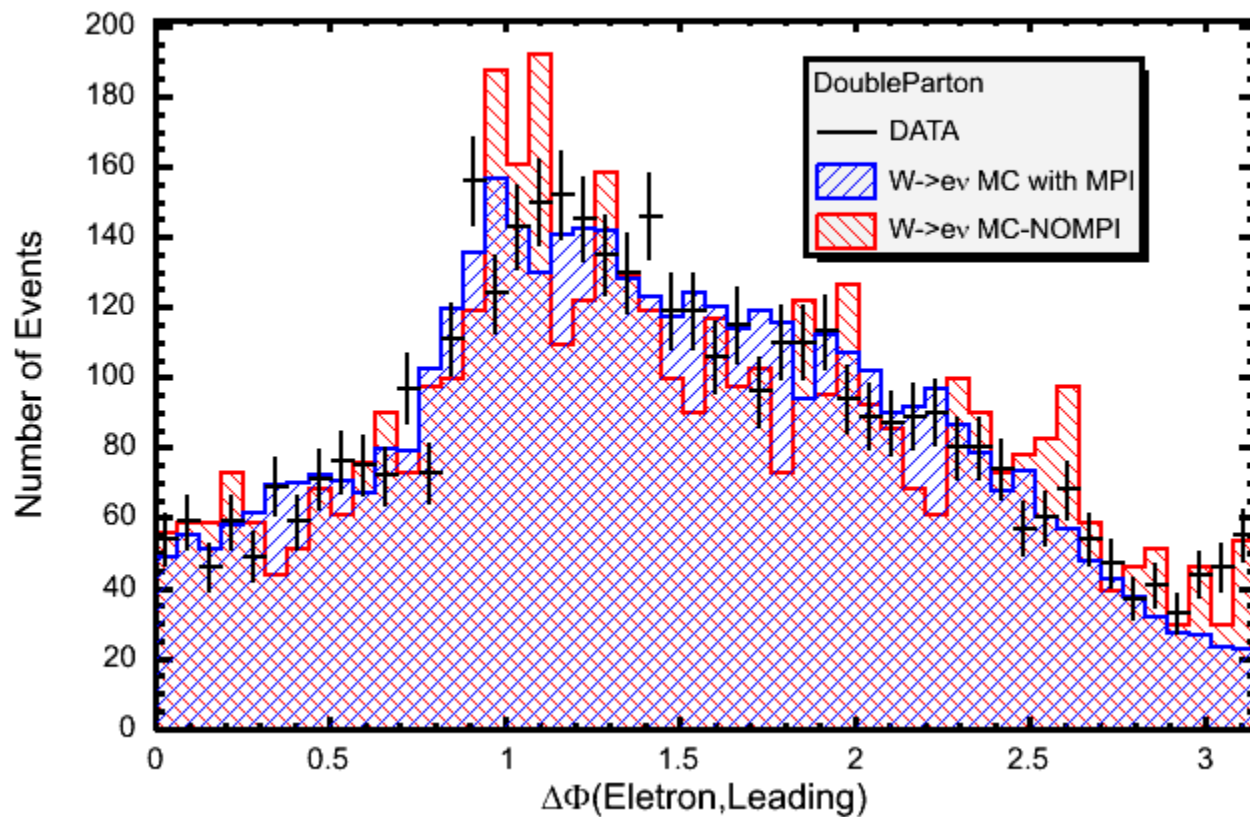


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

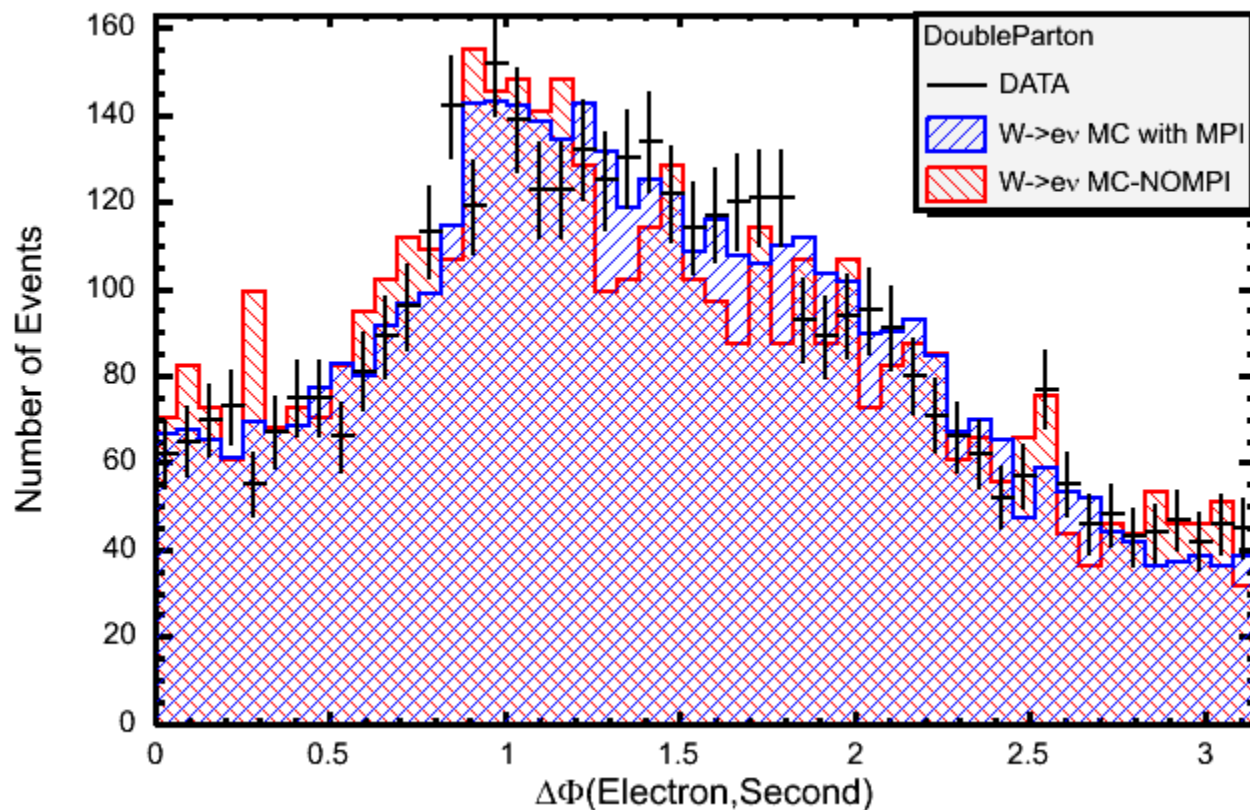


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

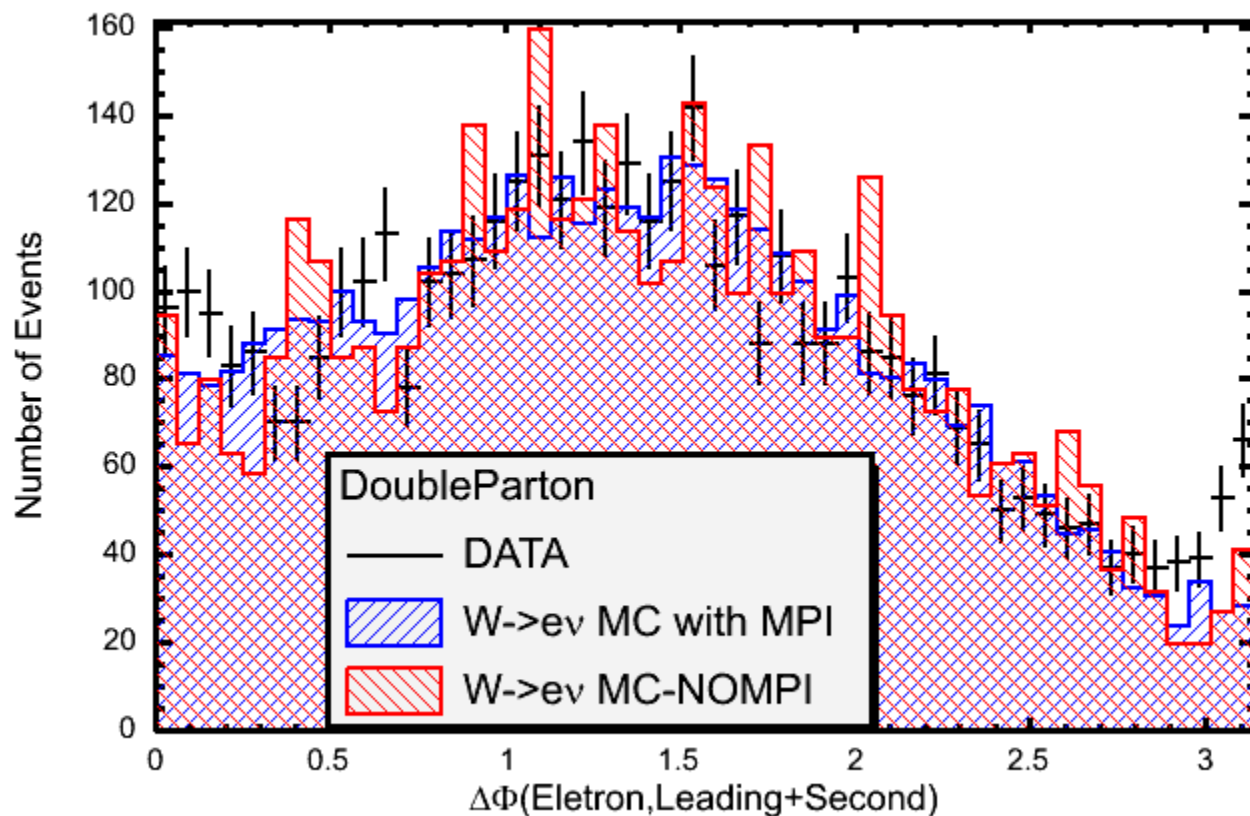


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron}, \text{Leading})| < 0.04$ and

$|\Delta Z(\text{Electron}, \text{Second})| < 0.04$ and

$|\Delta Z(\text{Leading}, \text{Second})| < 0.04$

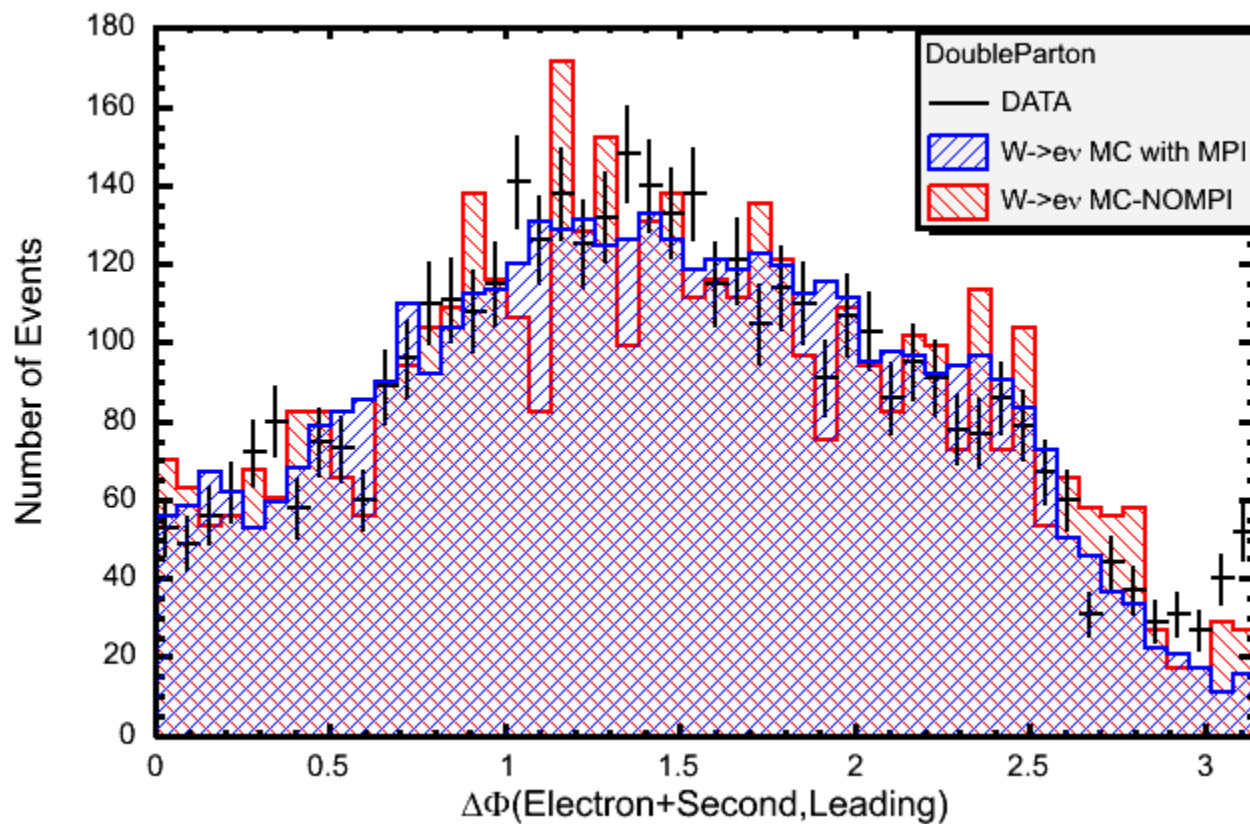


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron}, \text{Leading})| < 0.04$ and

$|\Delta Z(\text{Electron}, \text{Second})| < 0.04$ and

$|\Delta Z(\text{Leading}, \text{Second})| < 0.04$

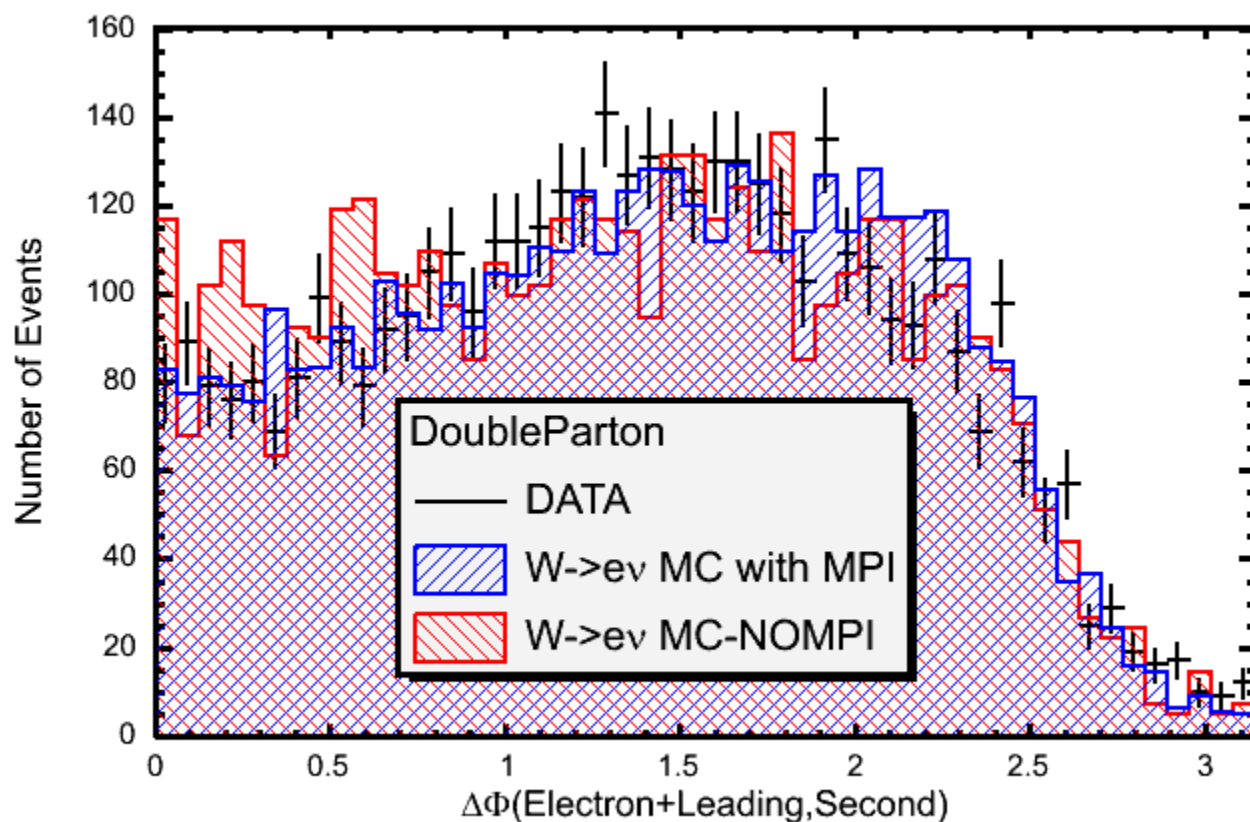


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron}, \text{Leading})| < 0.04$ and

$|\Delta Z(\text{Electron}, \text{Second})| < 0.04$ and

$|\Delta Z(\text{Leading}, \text{Second})| < 0.04$

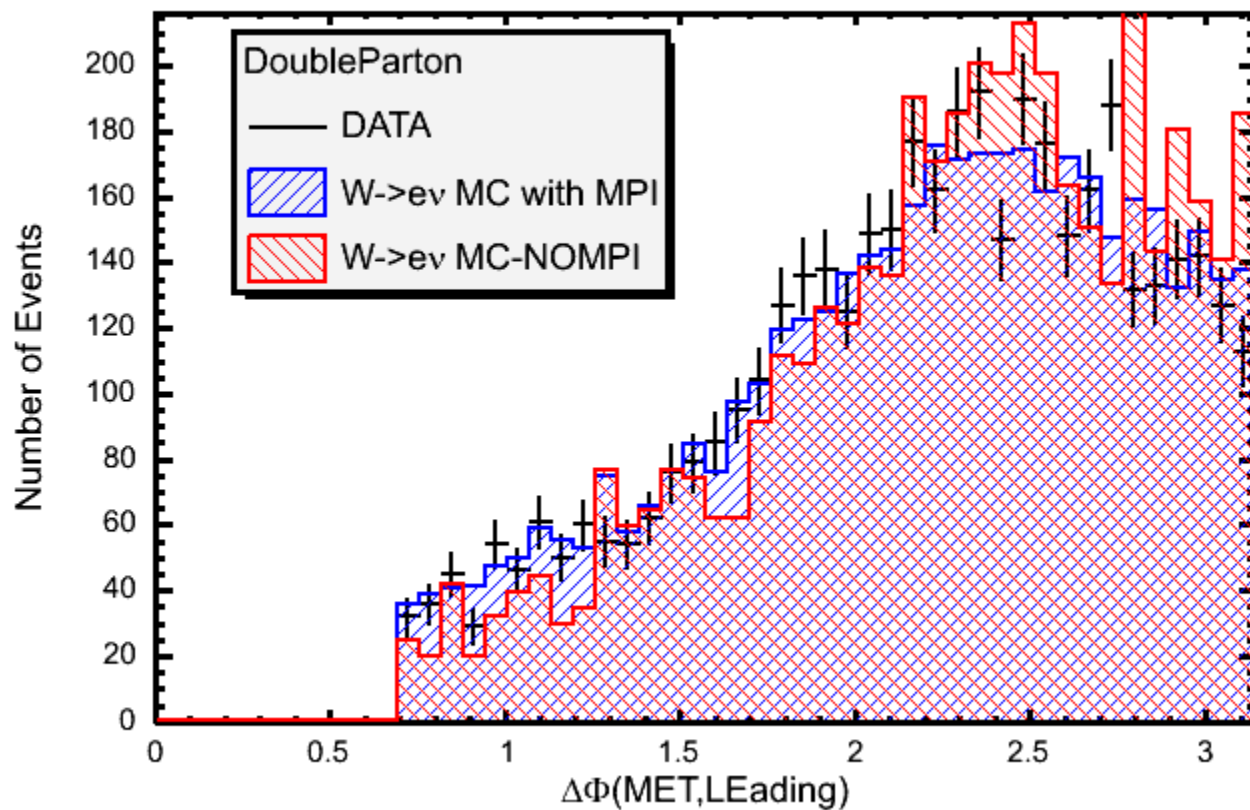


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

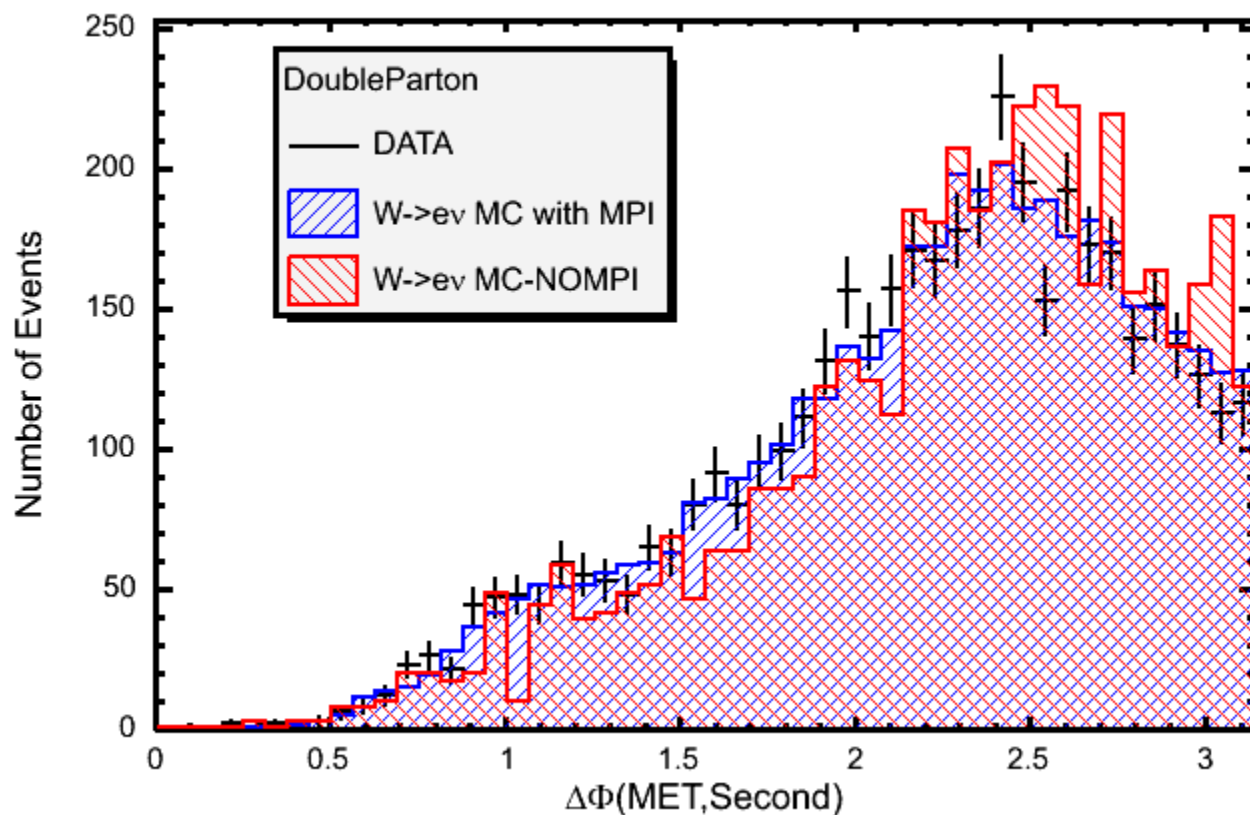


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

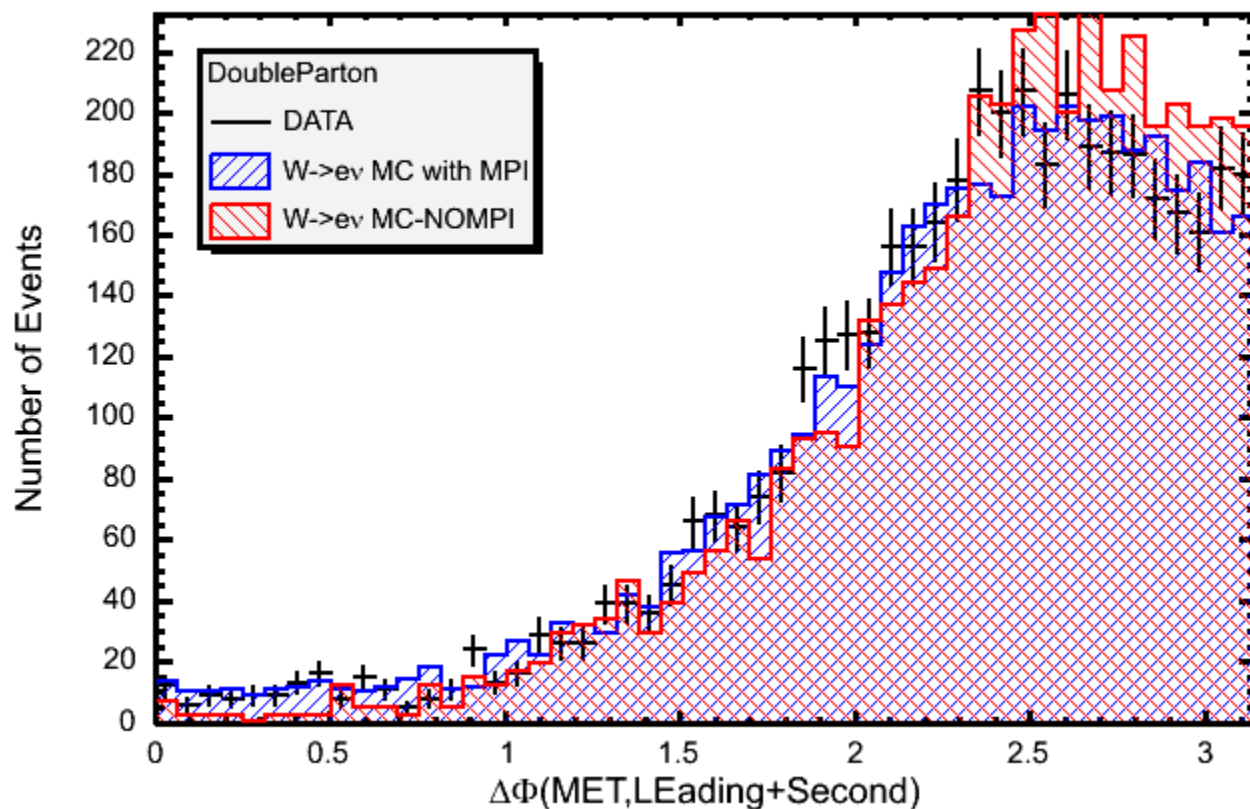


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

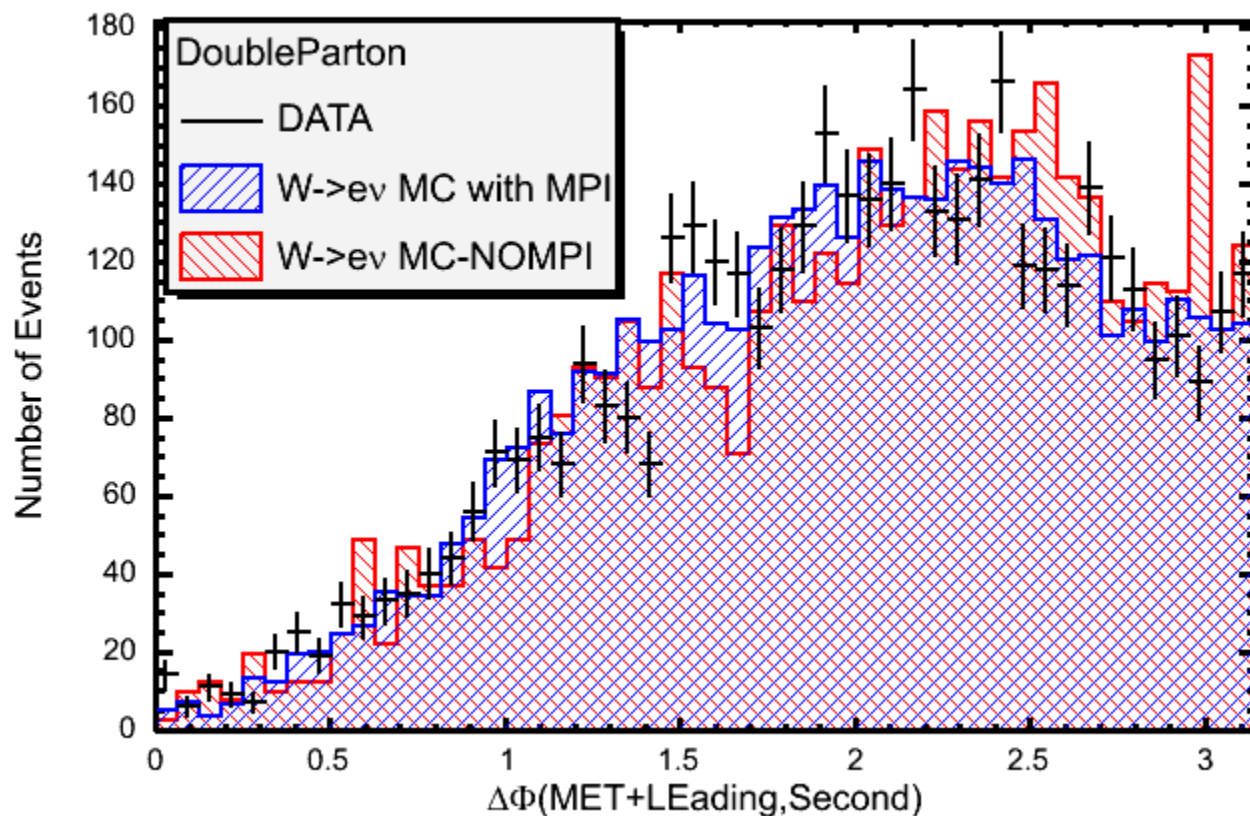


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

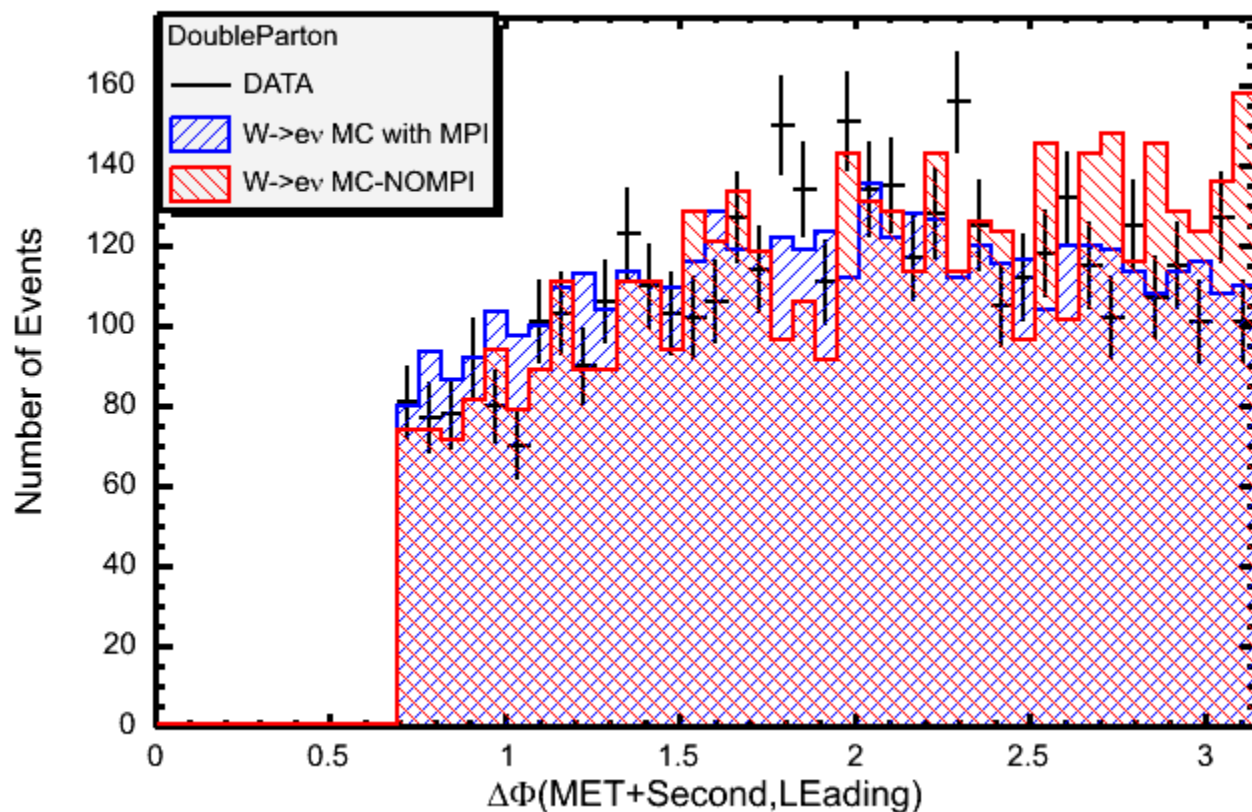


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

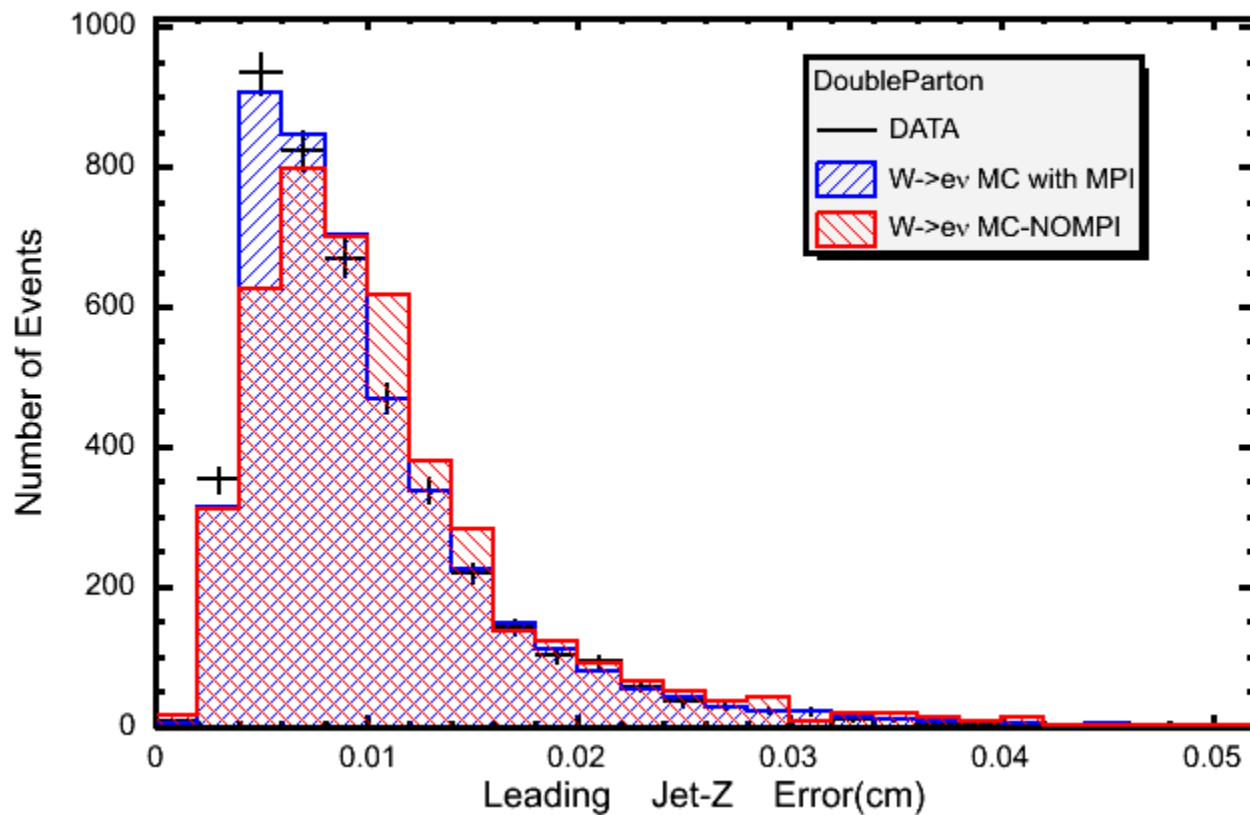


W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$



W+ONLY-TWO-JETS

$|\Delta Z(\text{Electron, Leading})| < 0.04$ and

$|\Delta Z(\text{Electron, Second})| < 0.04$ and

$|\Delta Z(\text{Leading, Second})| < 0.04$

