

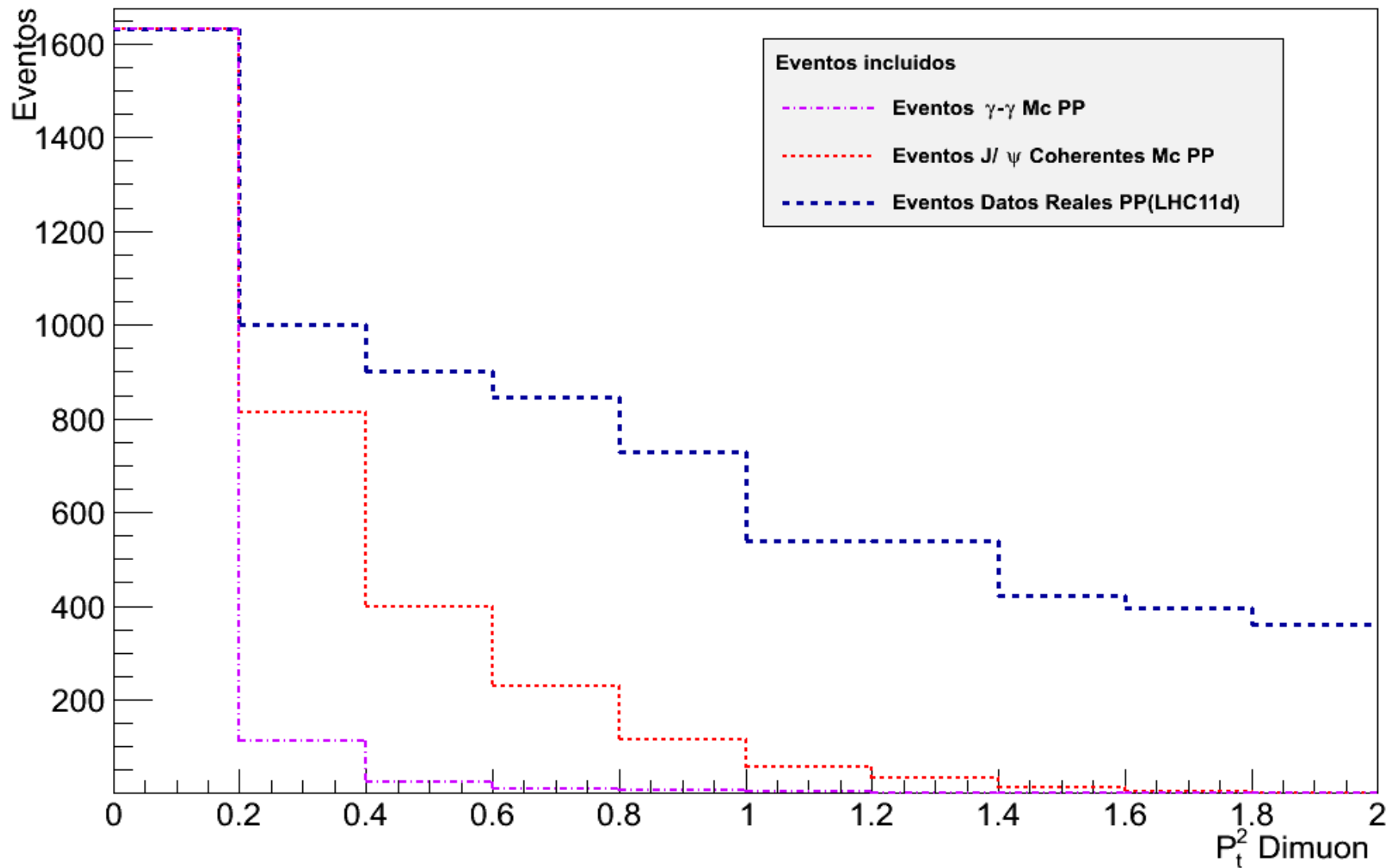
Plots Pt cuadrado, Pt , $\Delta(\Phi, Pt)$

Gibraham I. Nápoles

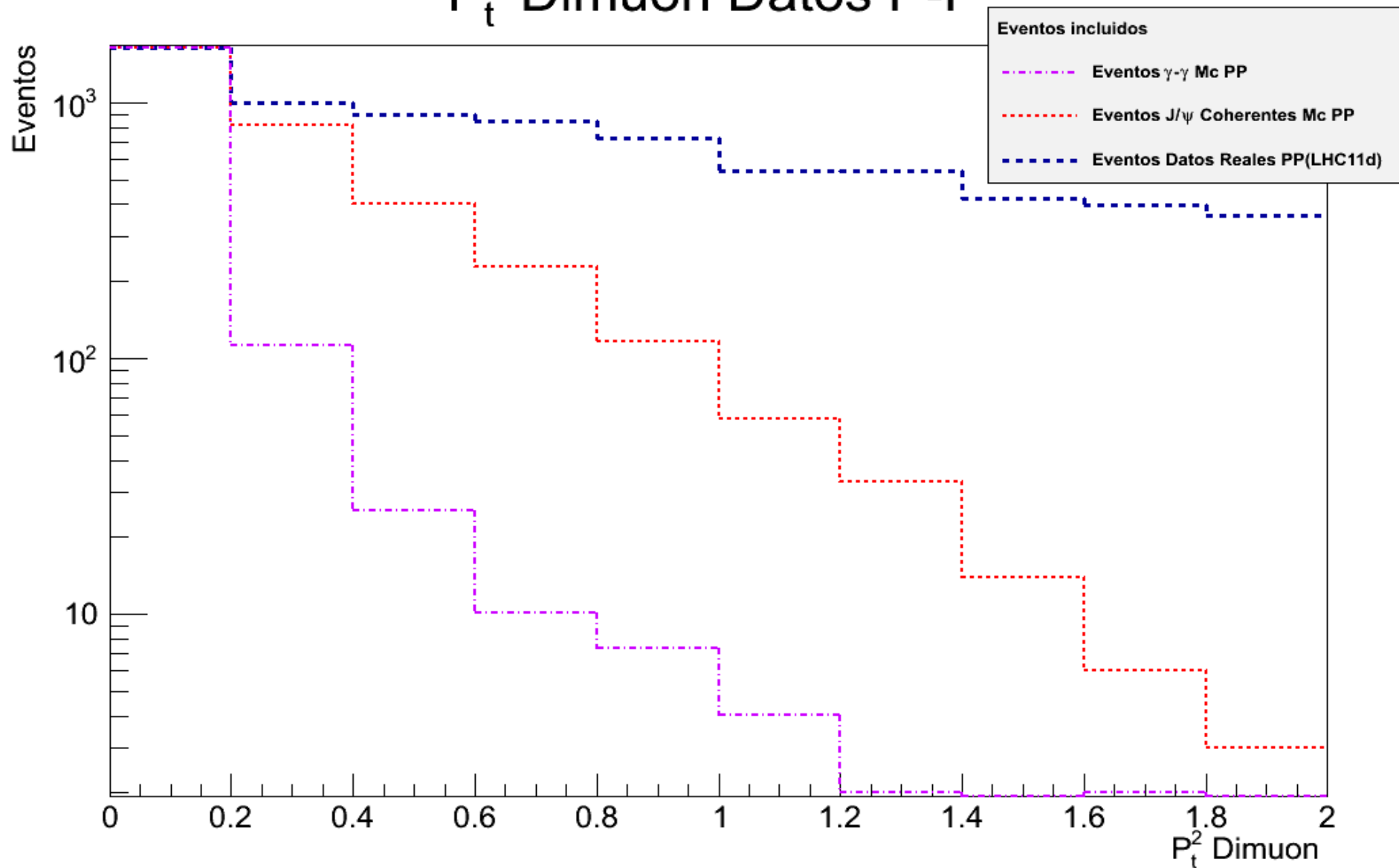
18/04/2013

Pt cuadrado Sin Cortes.

P_t^2 Dimuon Datos P-P

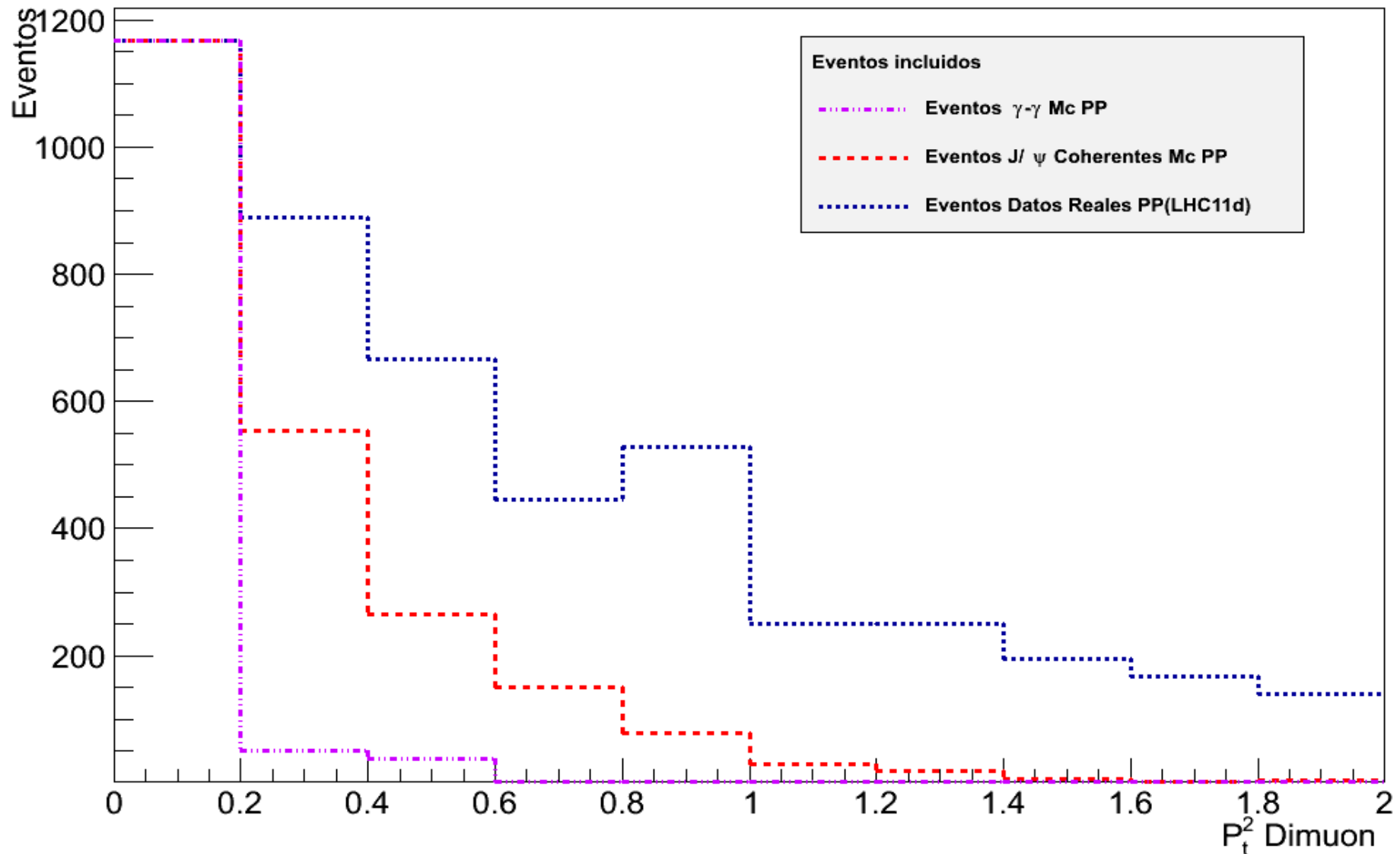


P_t^2 Dimuon Datos P-P

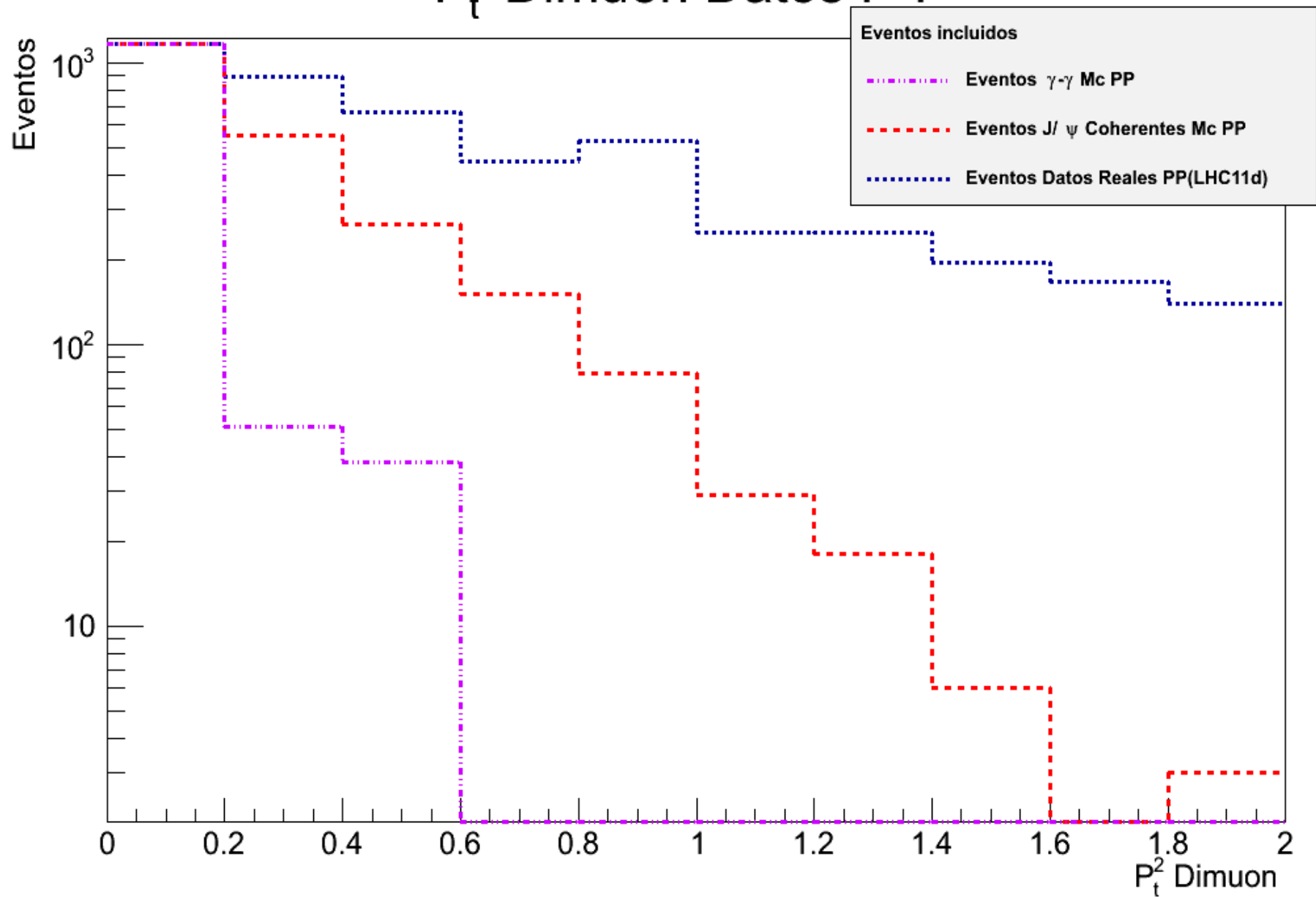


Cortes eta & rapidity & masa

P_t^2 Dimuon Datos P-P

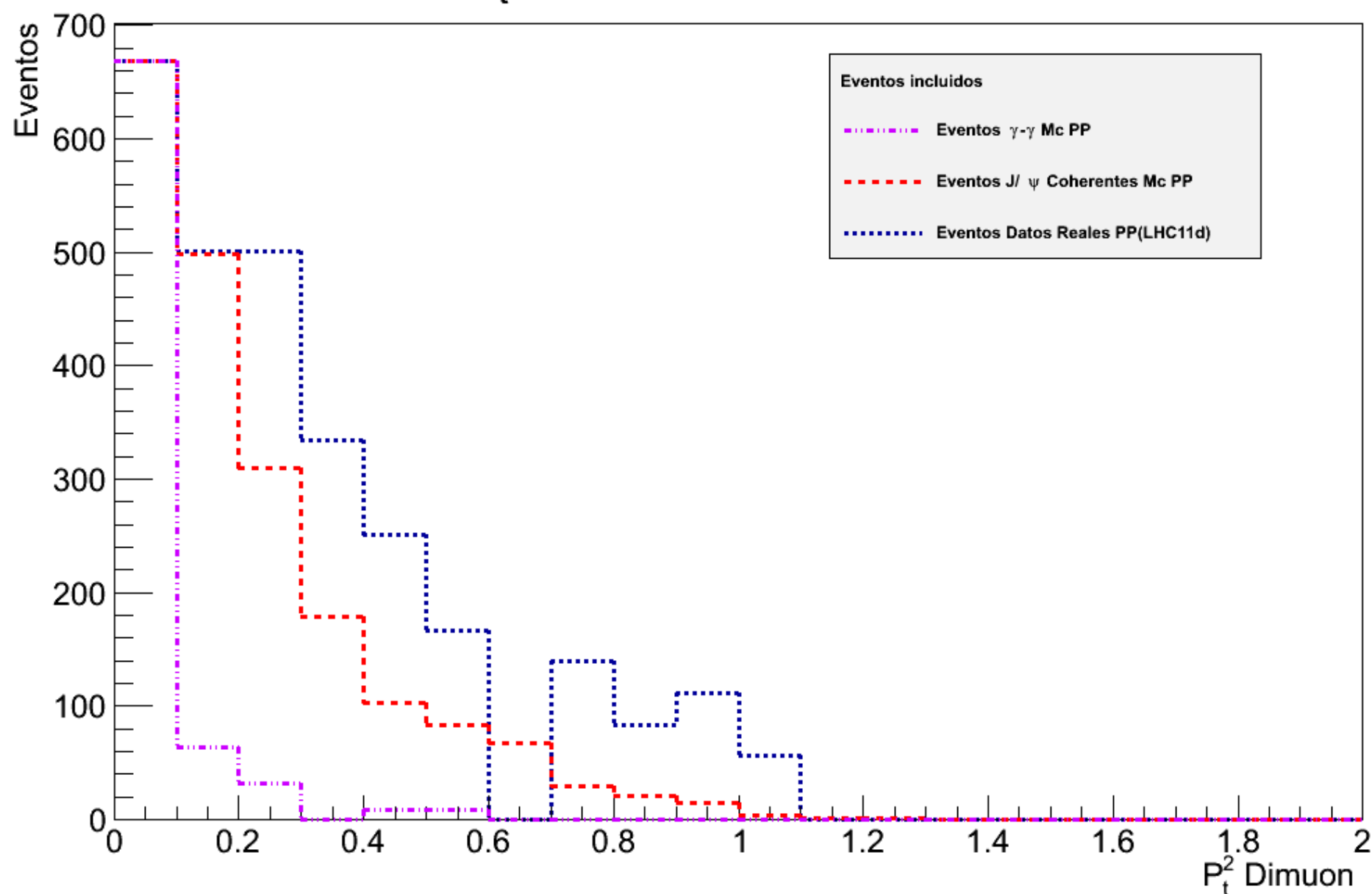


P_t^2 Dimuon Datos P-P

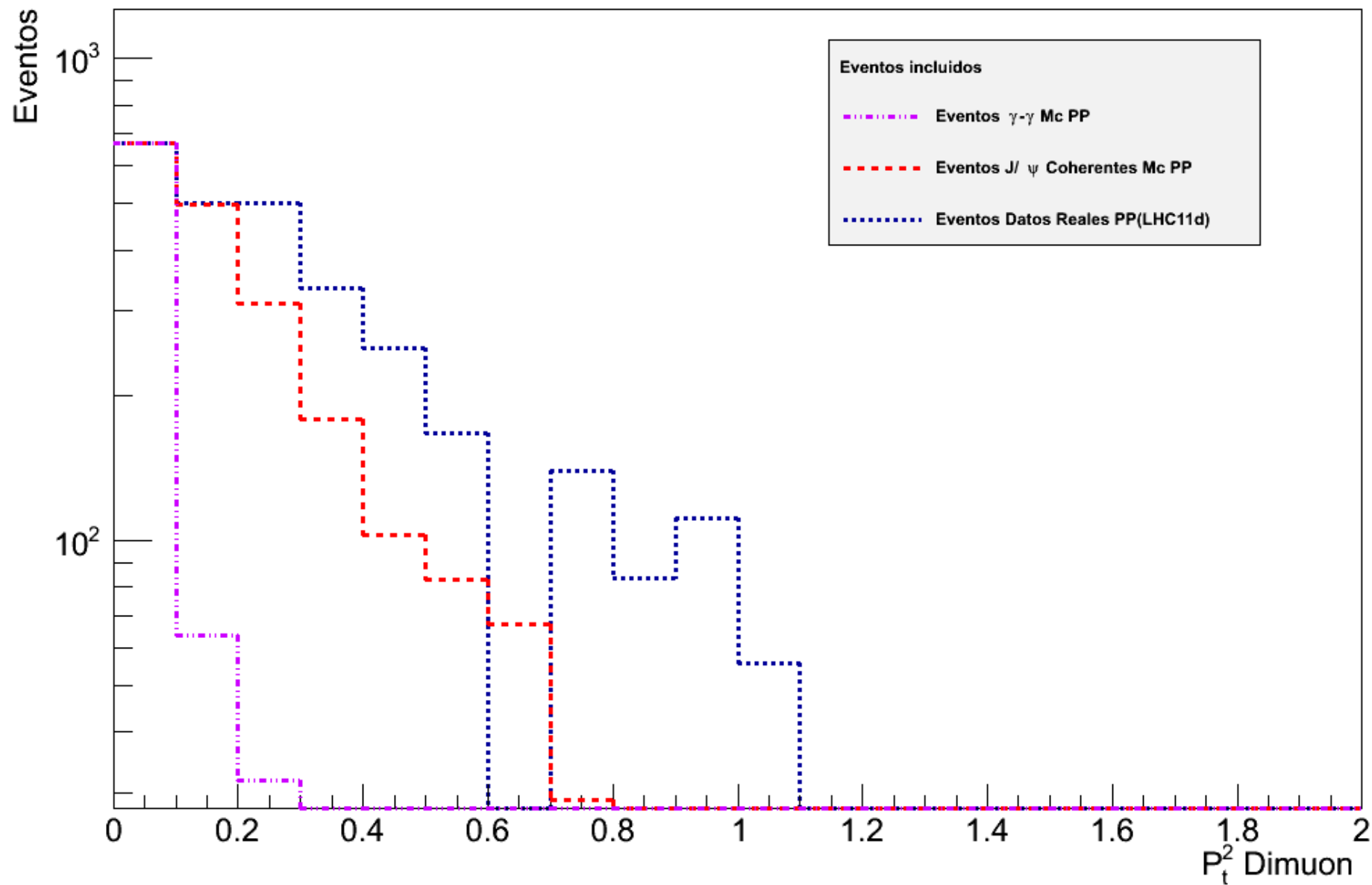


Agregando cortes DeltaPhi, DeltaPt

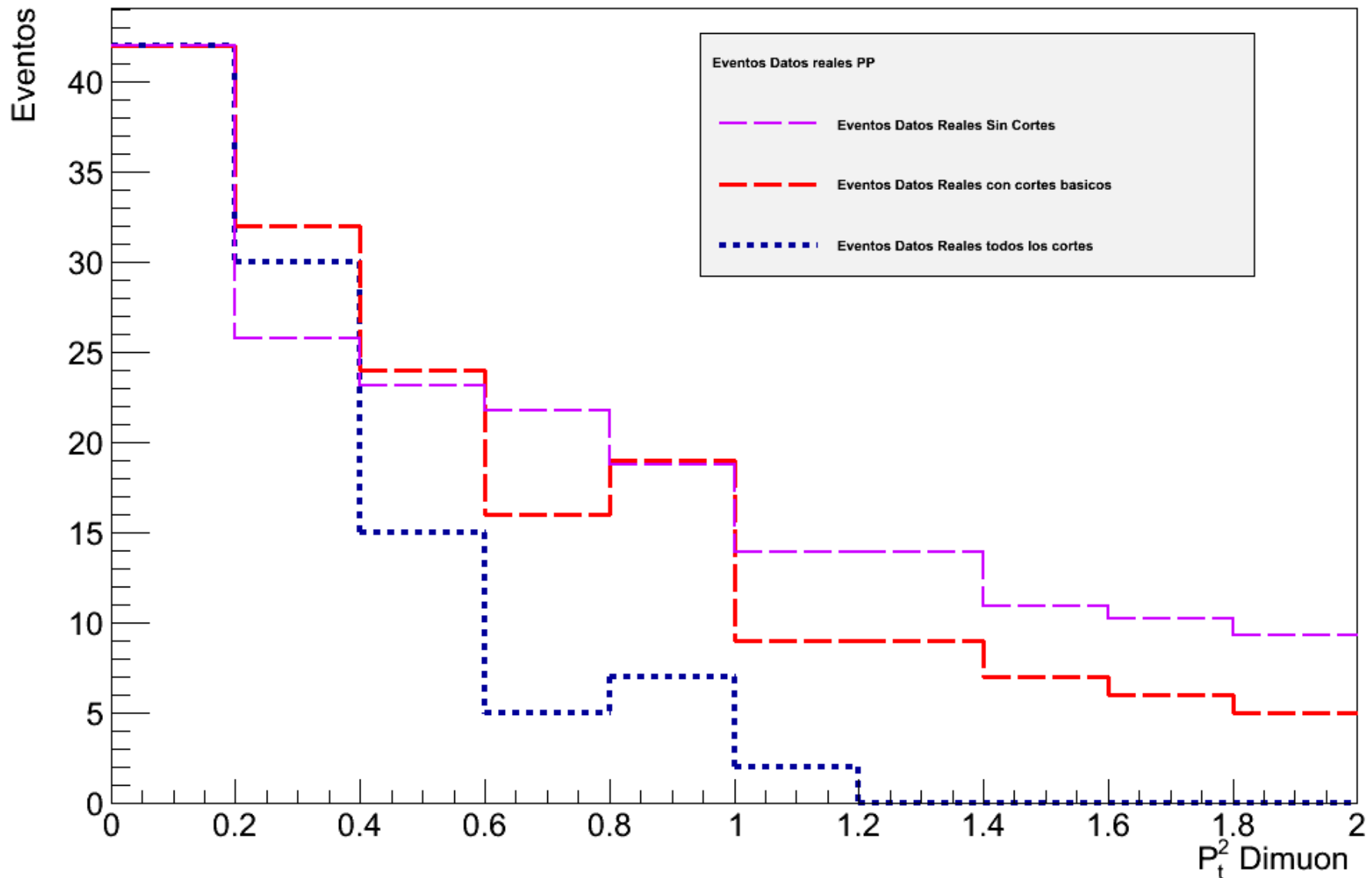
P_t^2 Dimuon Datos P-P

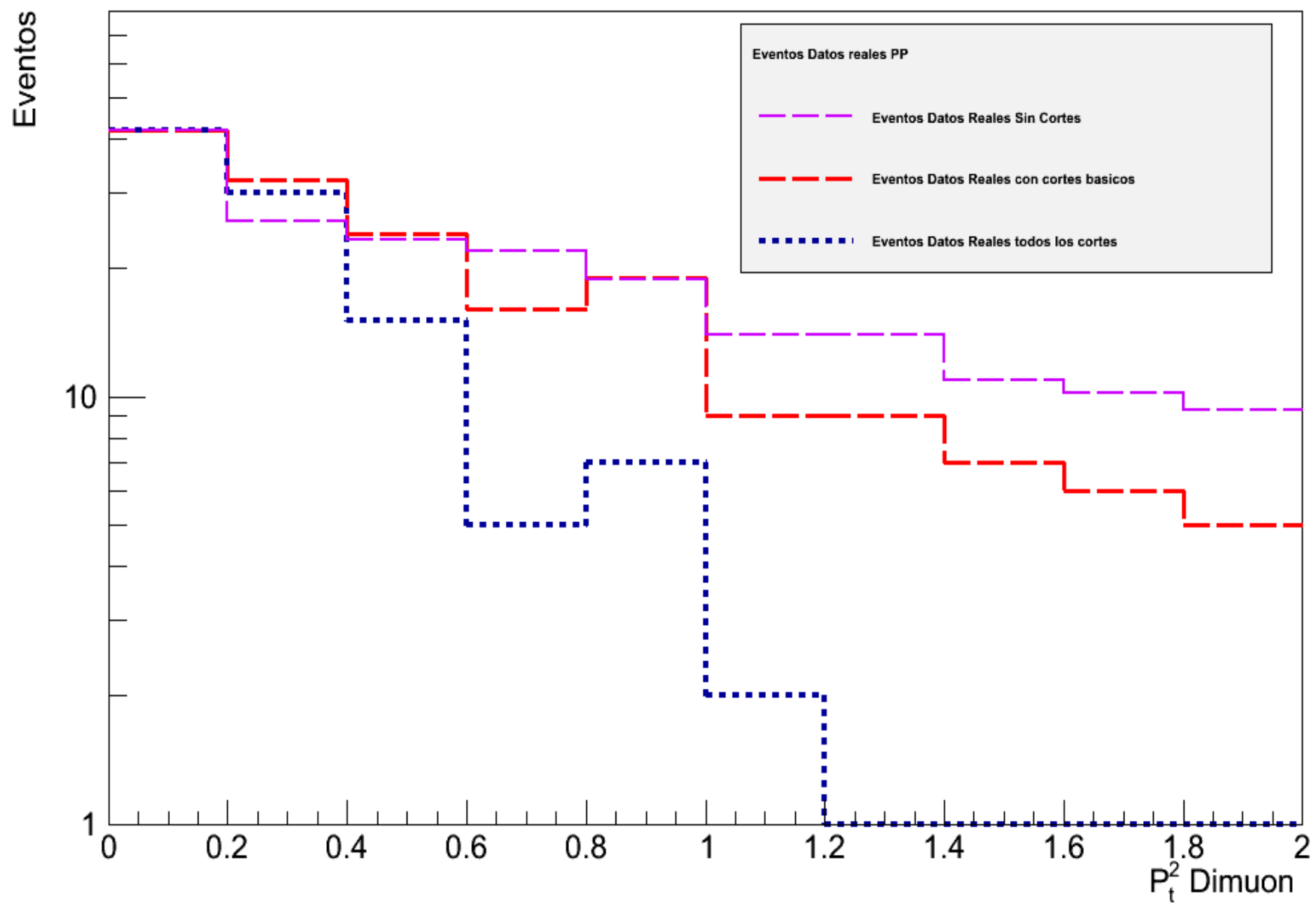


P_t^2 Dimuon Datos P-P

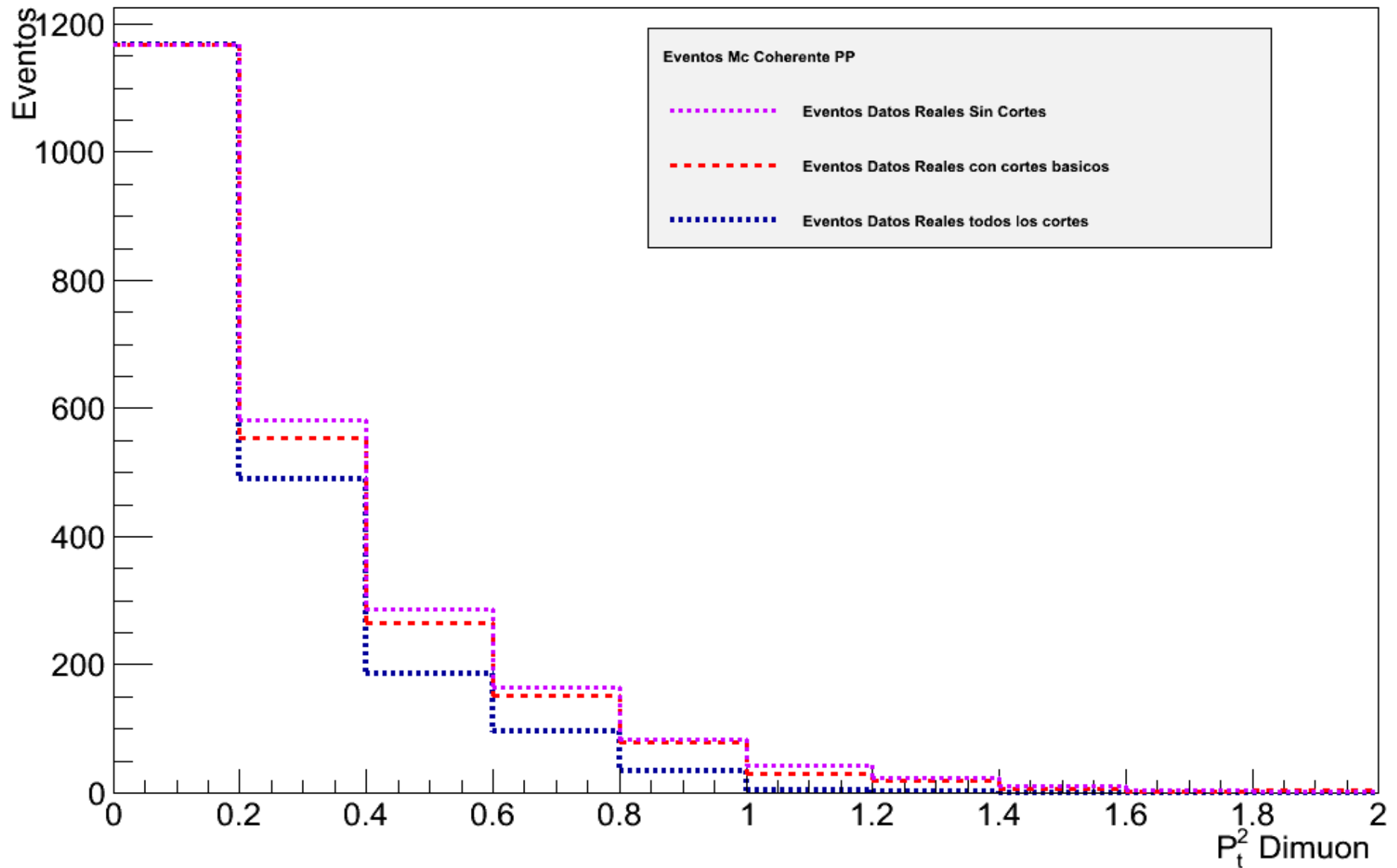


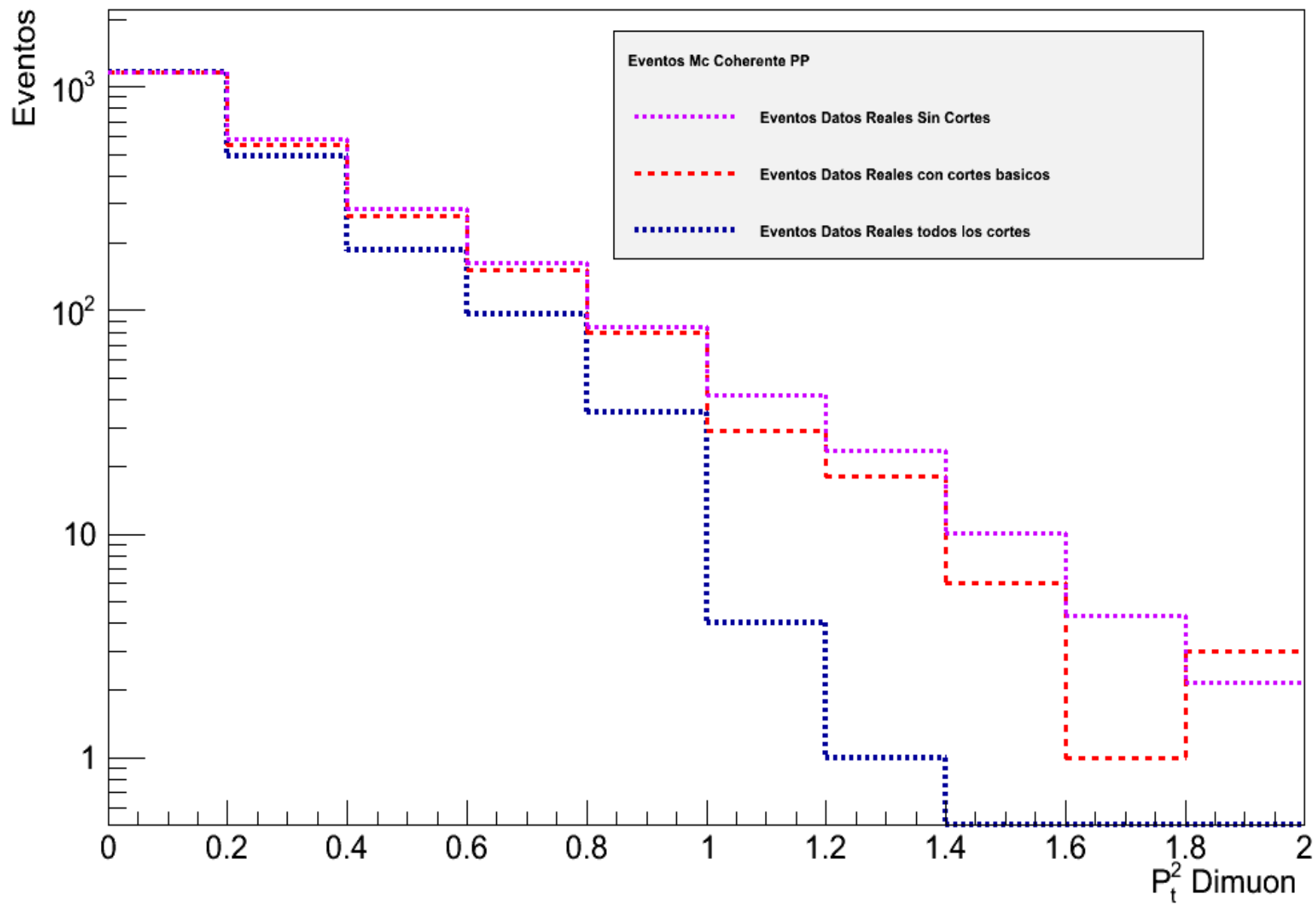
Evolución Pt Cuadrado Real Data.



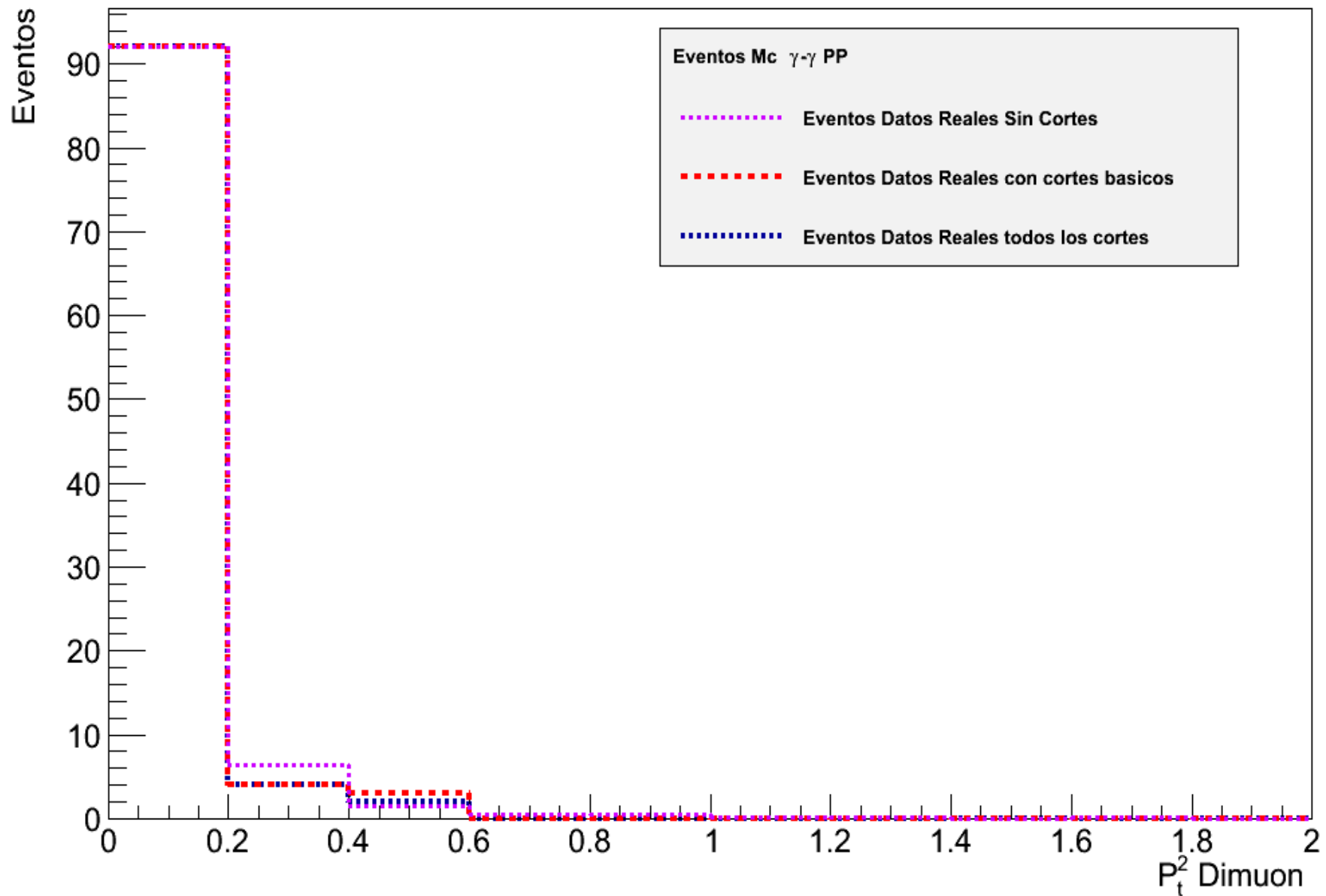


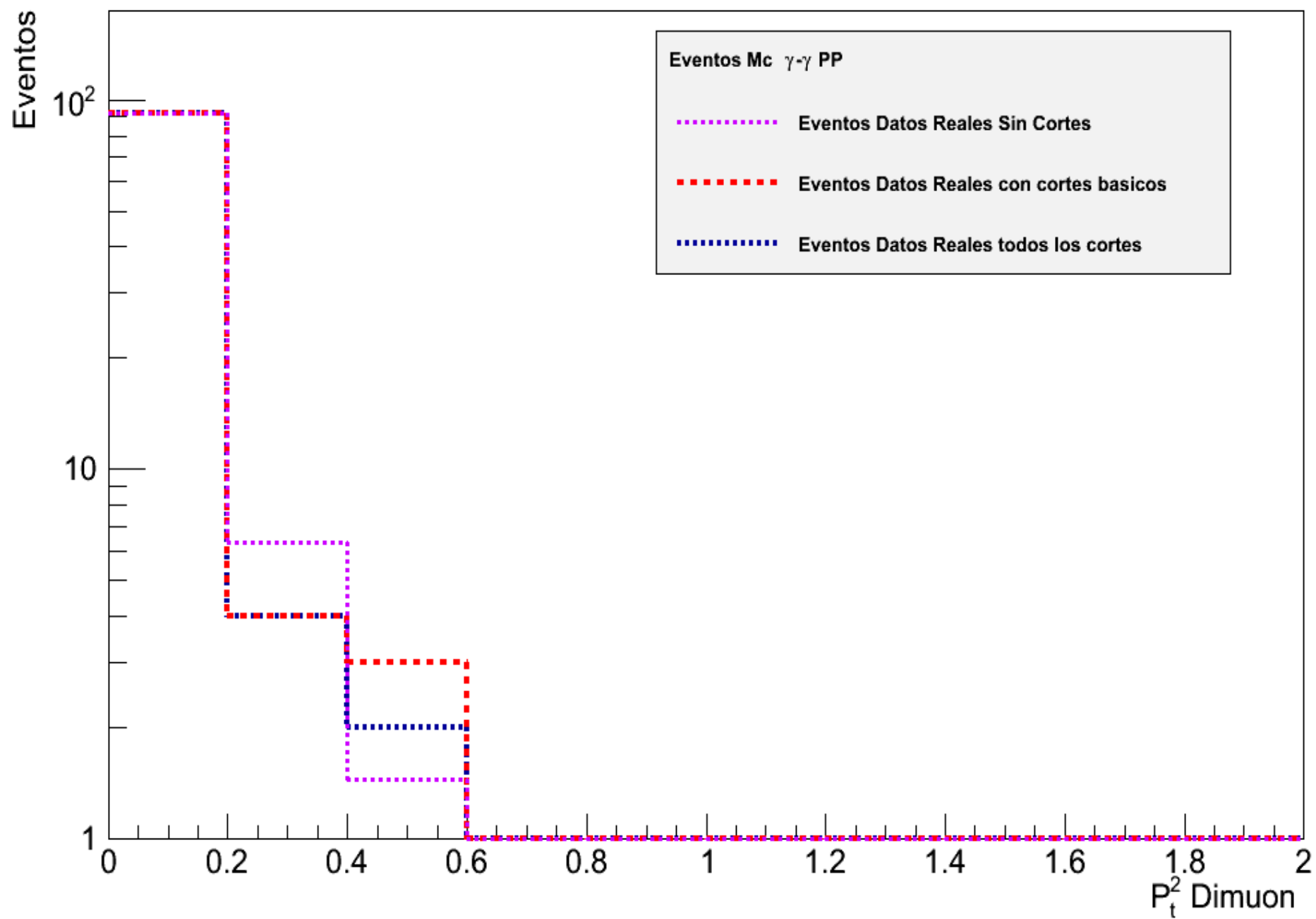
Evolución Pt Cuadrad. Mc Coherent



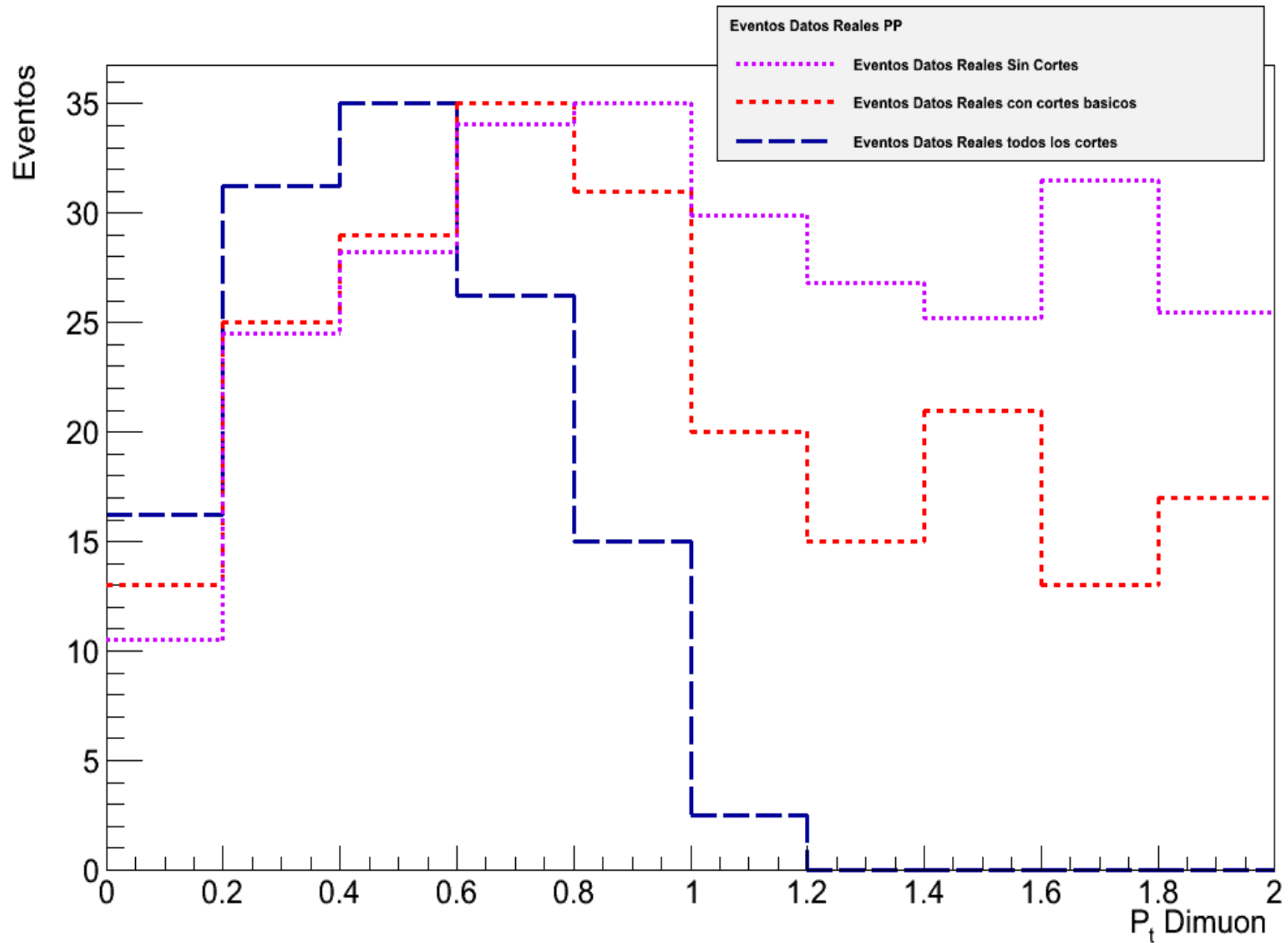


Evolución Pt Cuadrado Mc Gamma

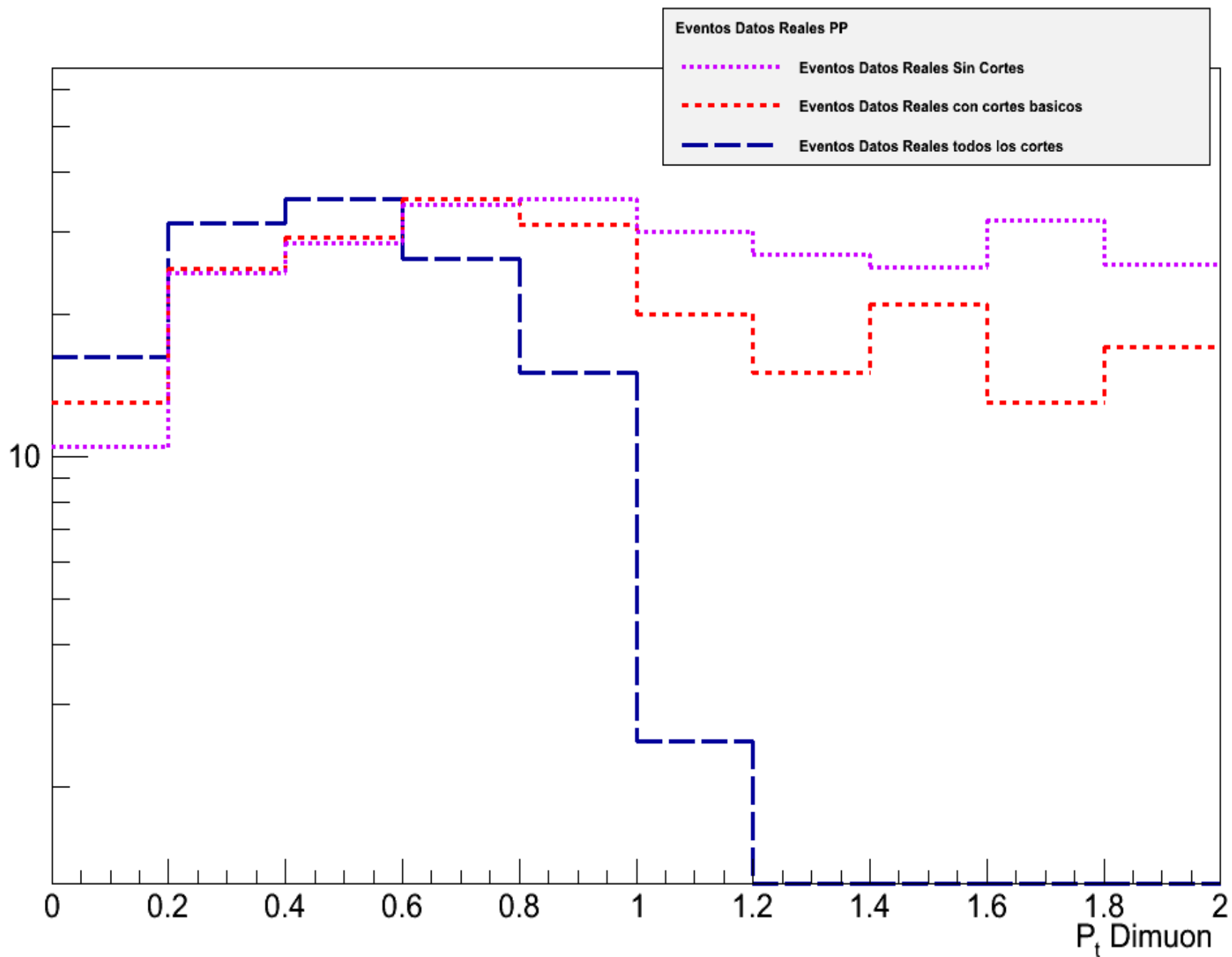




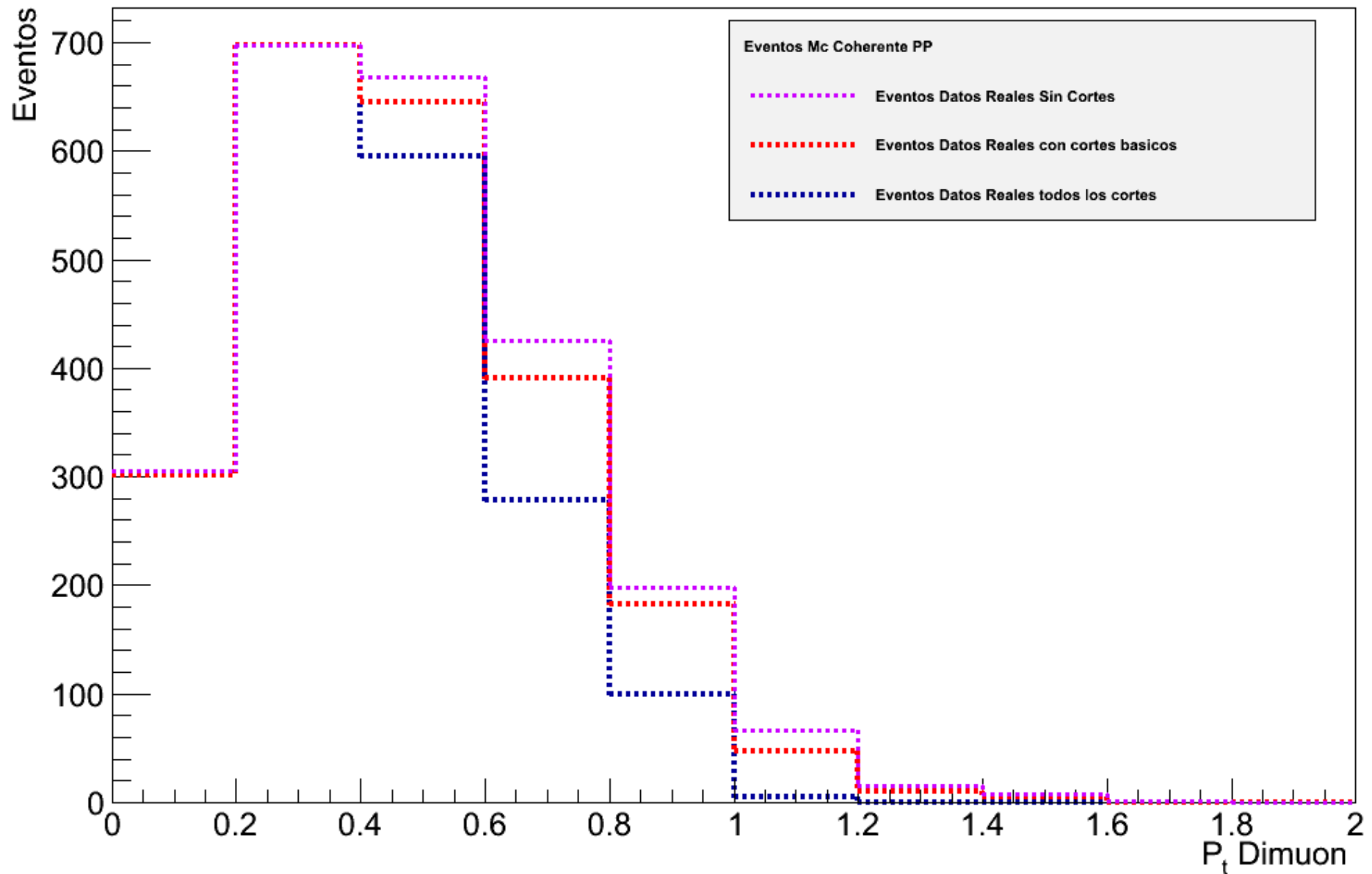
Evolución de P_t en Datos Reales

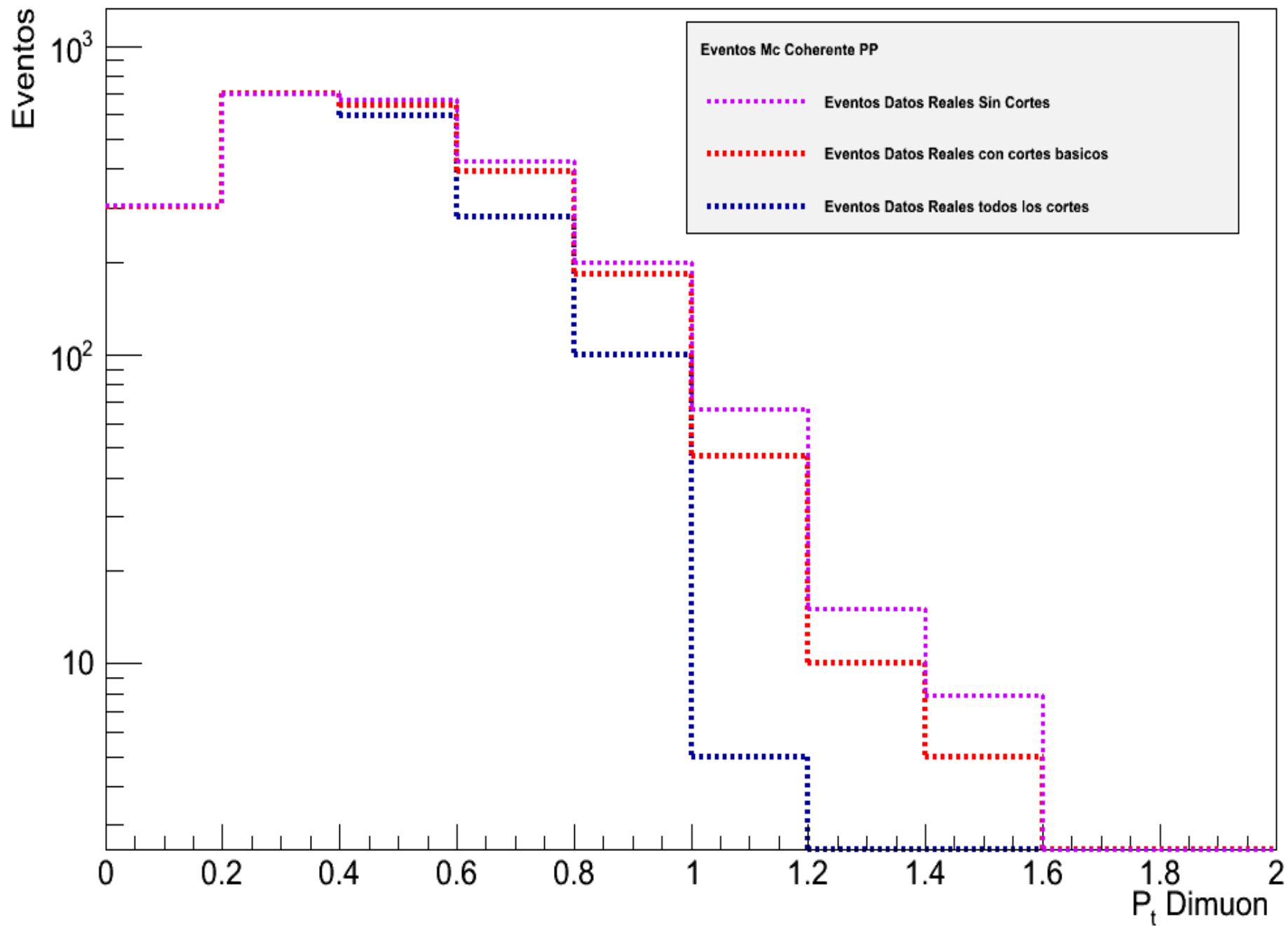


Eventos

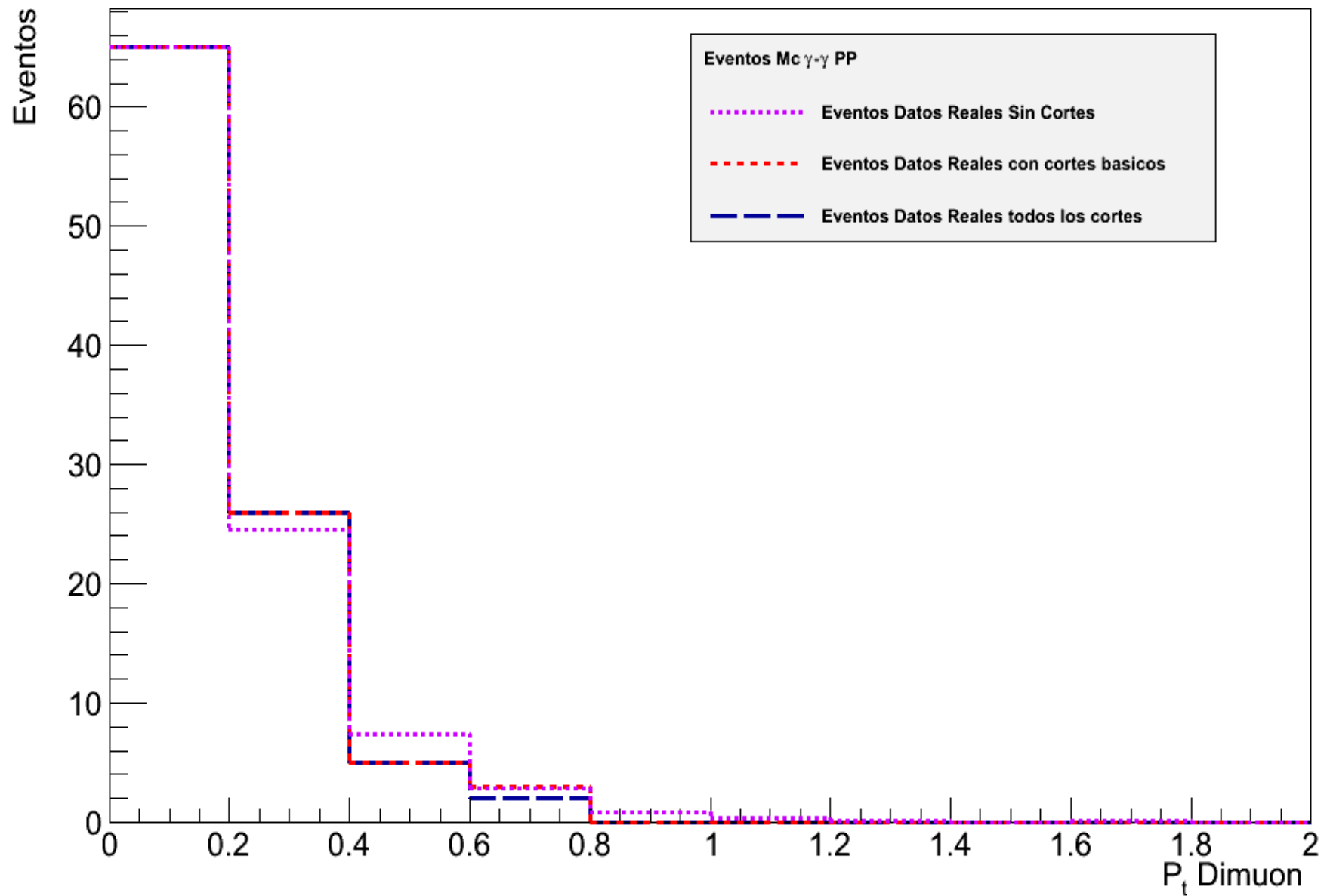


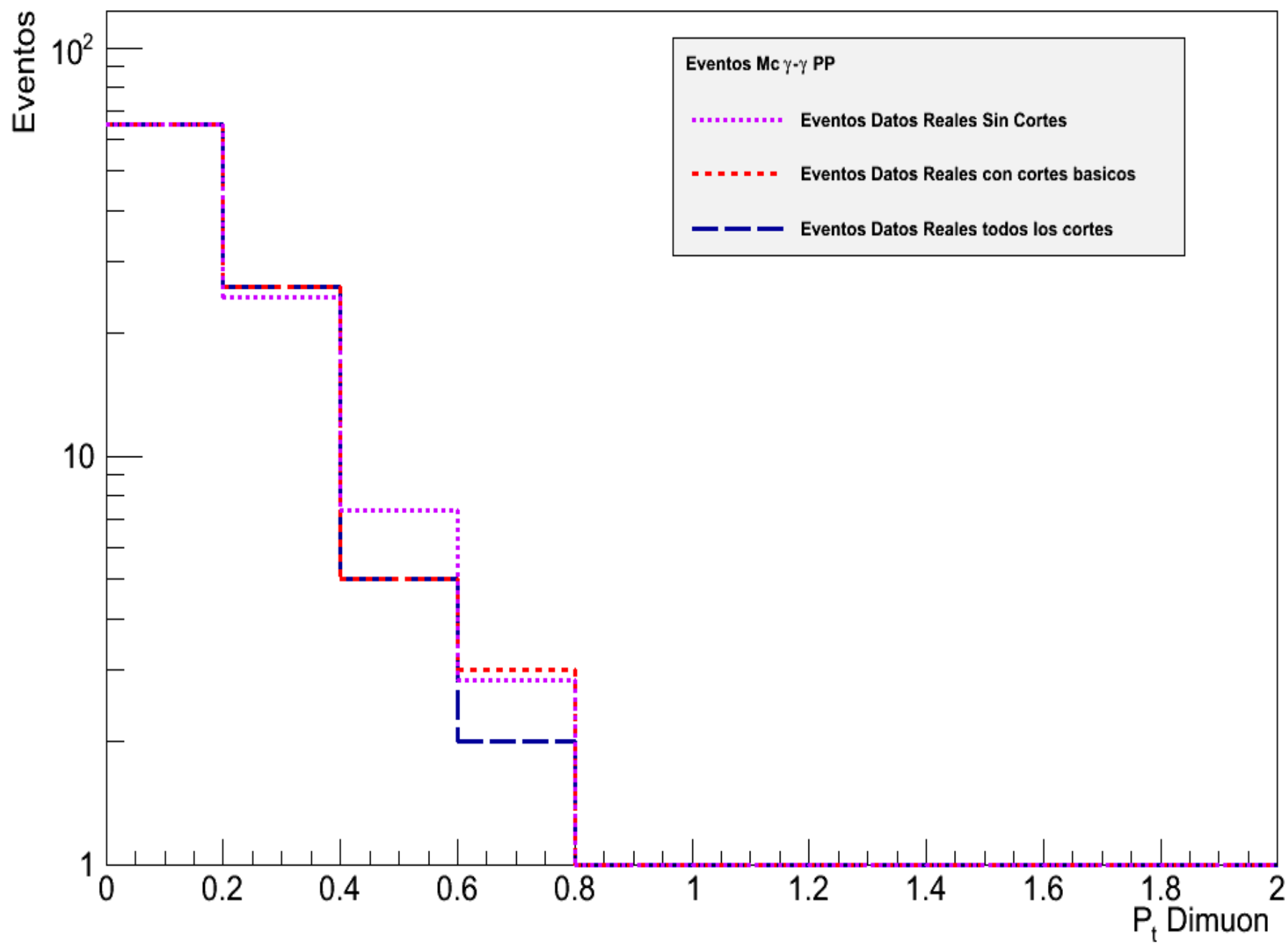
Evolución de P_t en Mc Coherente





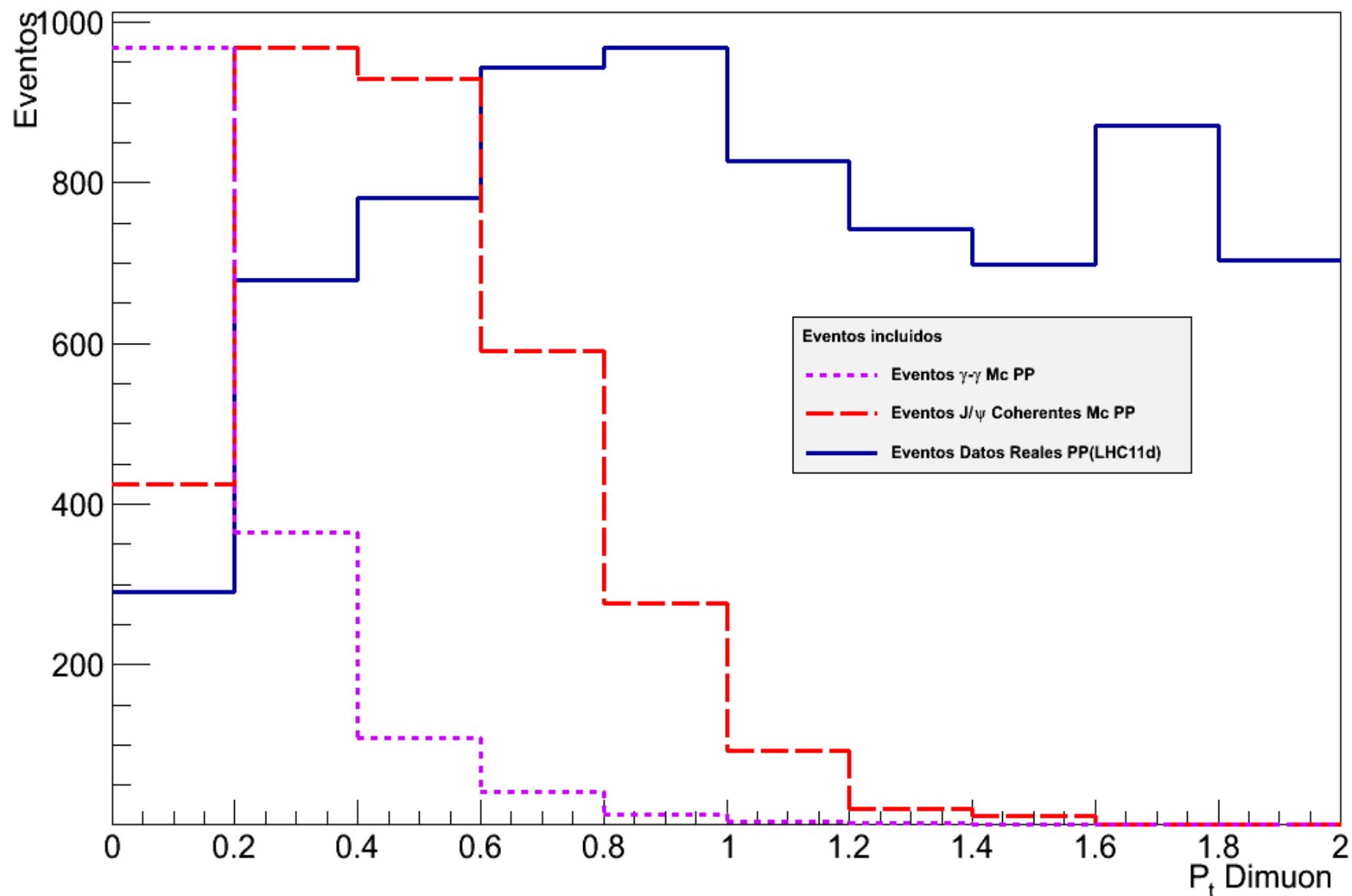
Evolución de P_t en Mc Coherente



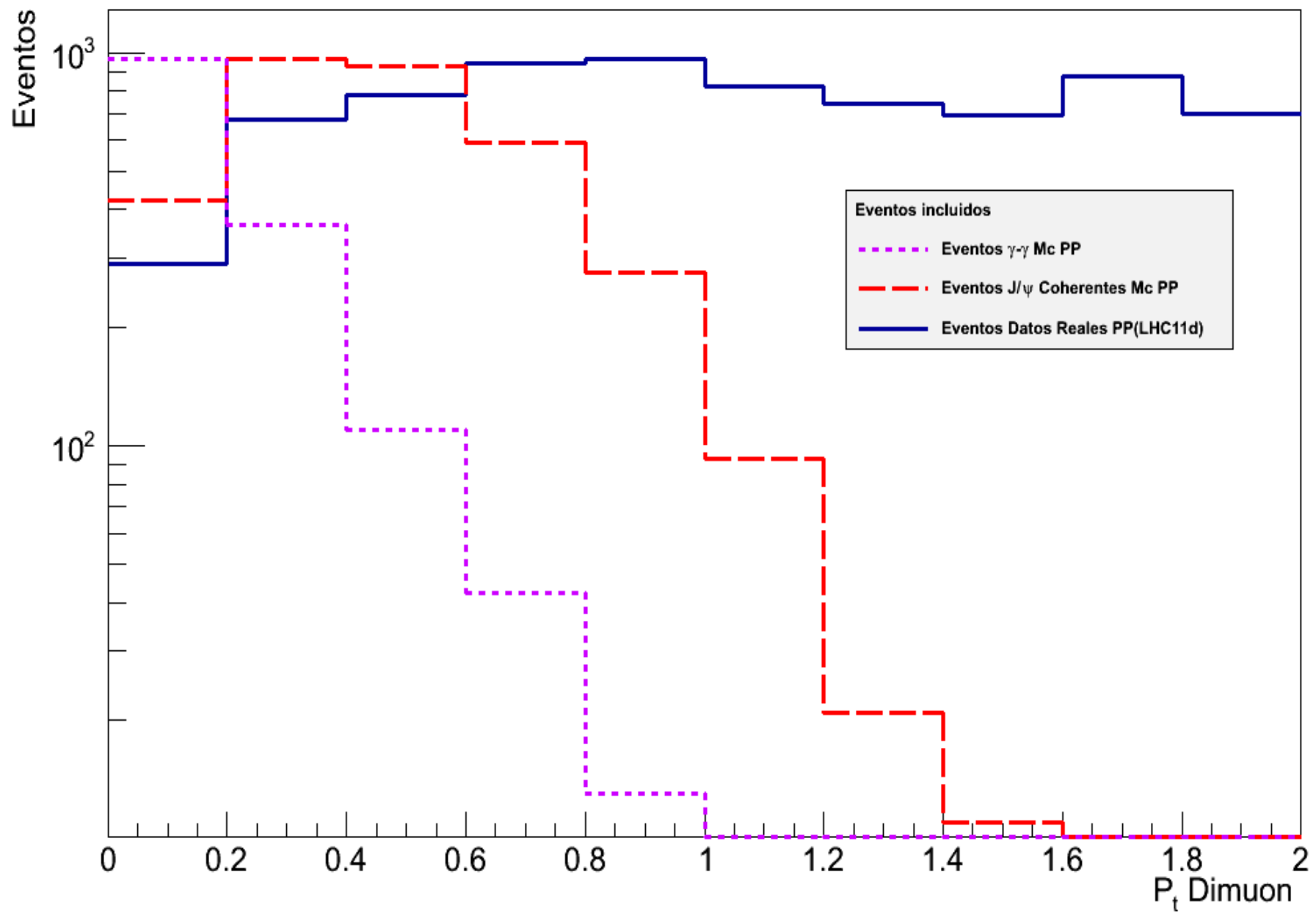


Pt Contribuciones Sin Cortes

P_t para el Dimuon Datos P-P

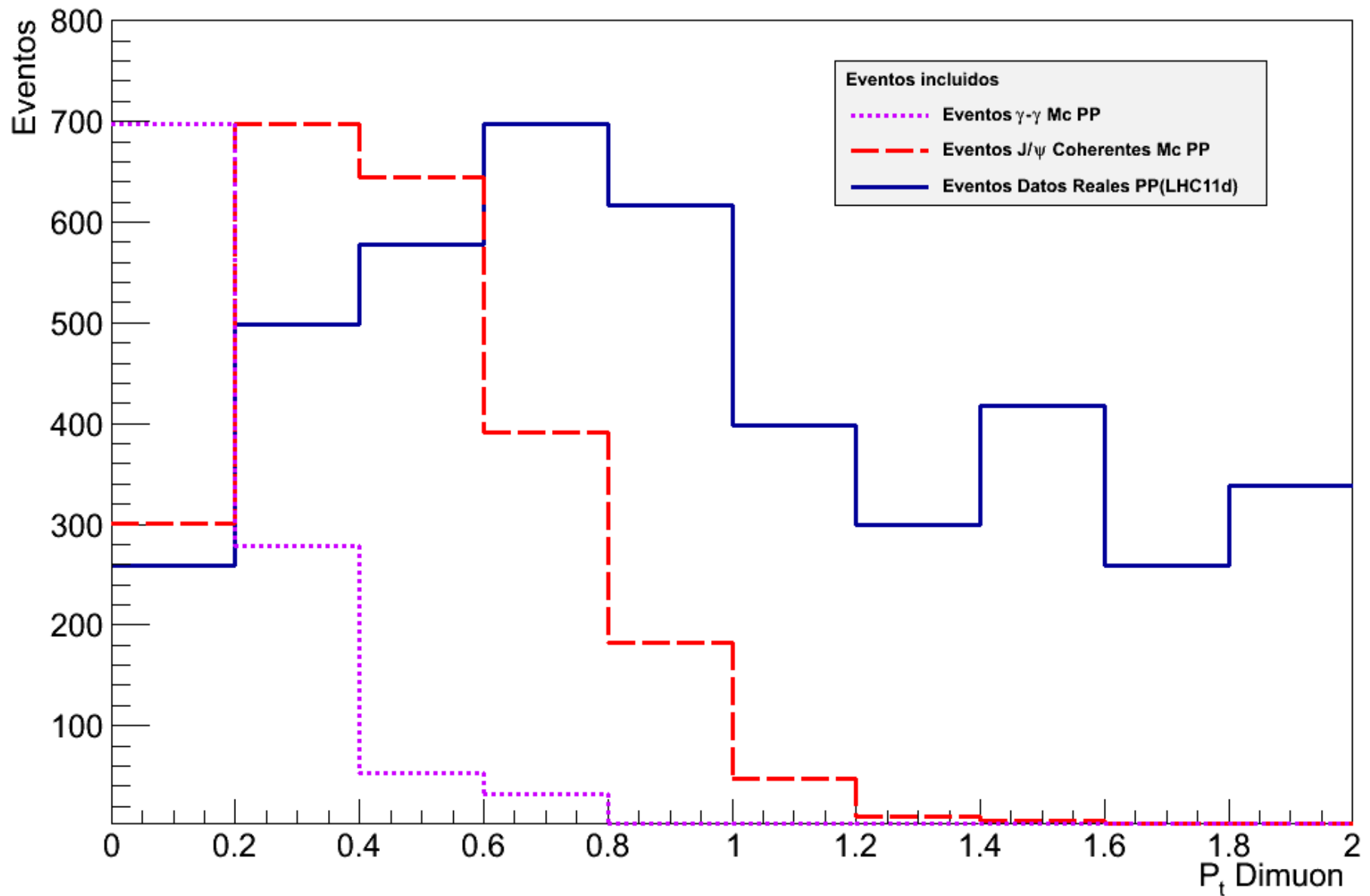


P_t para el Dimuon Datos P-P



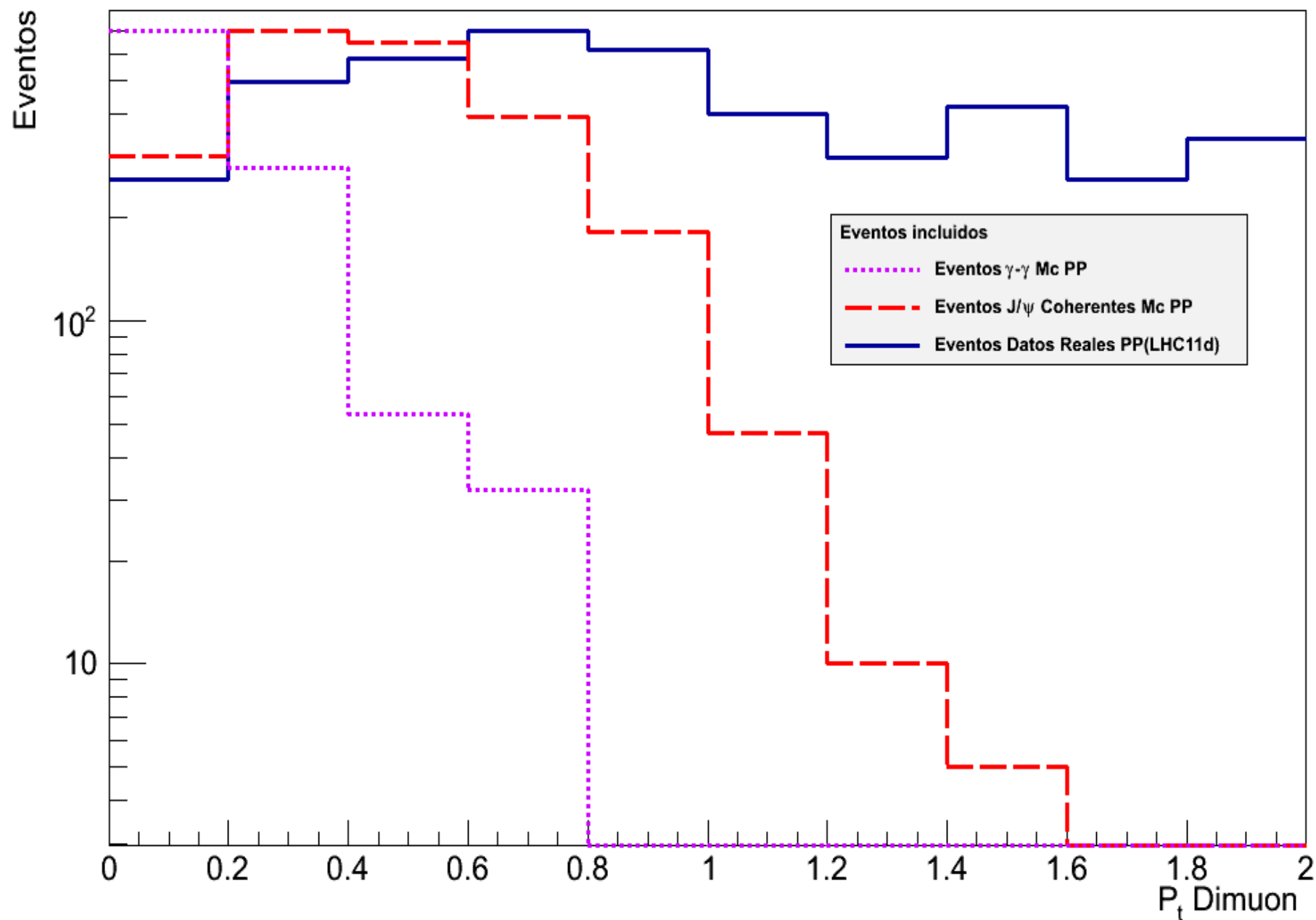
Pt Contribuciones Cortes Básicos

P_t para el Dimuon Datos P-P



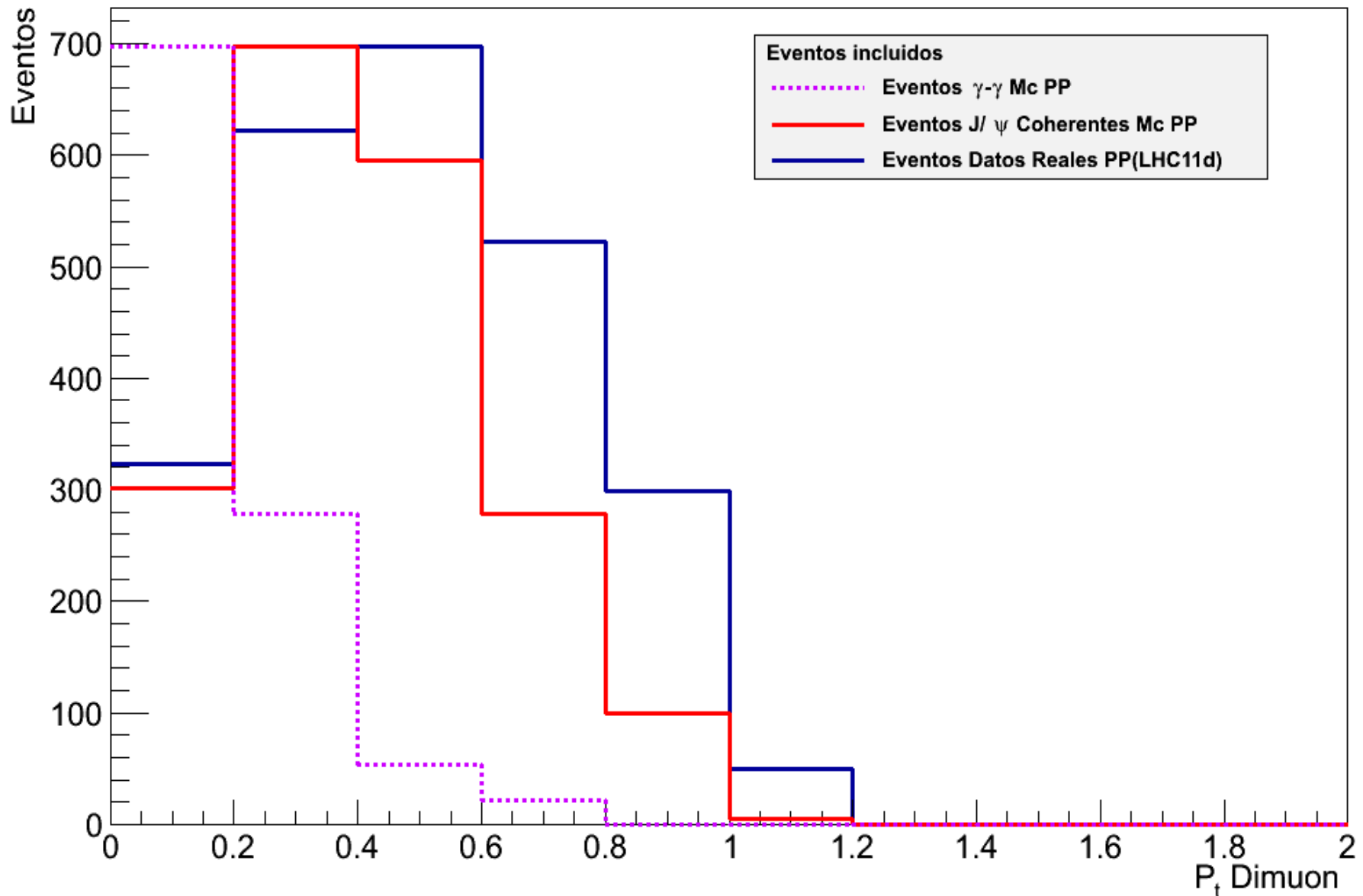
P_t para el Dimuon Datos P-P

22
1.000e+01
1.000e+01
1.000e+01

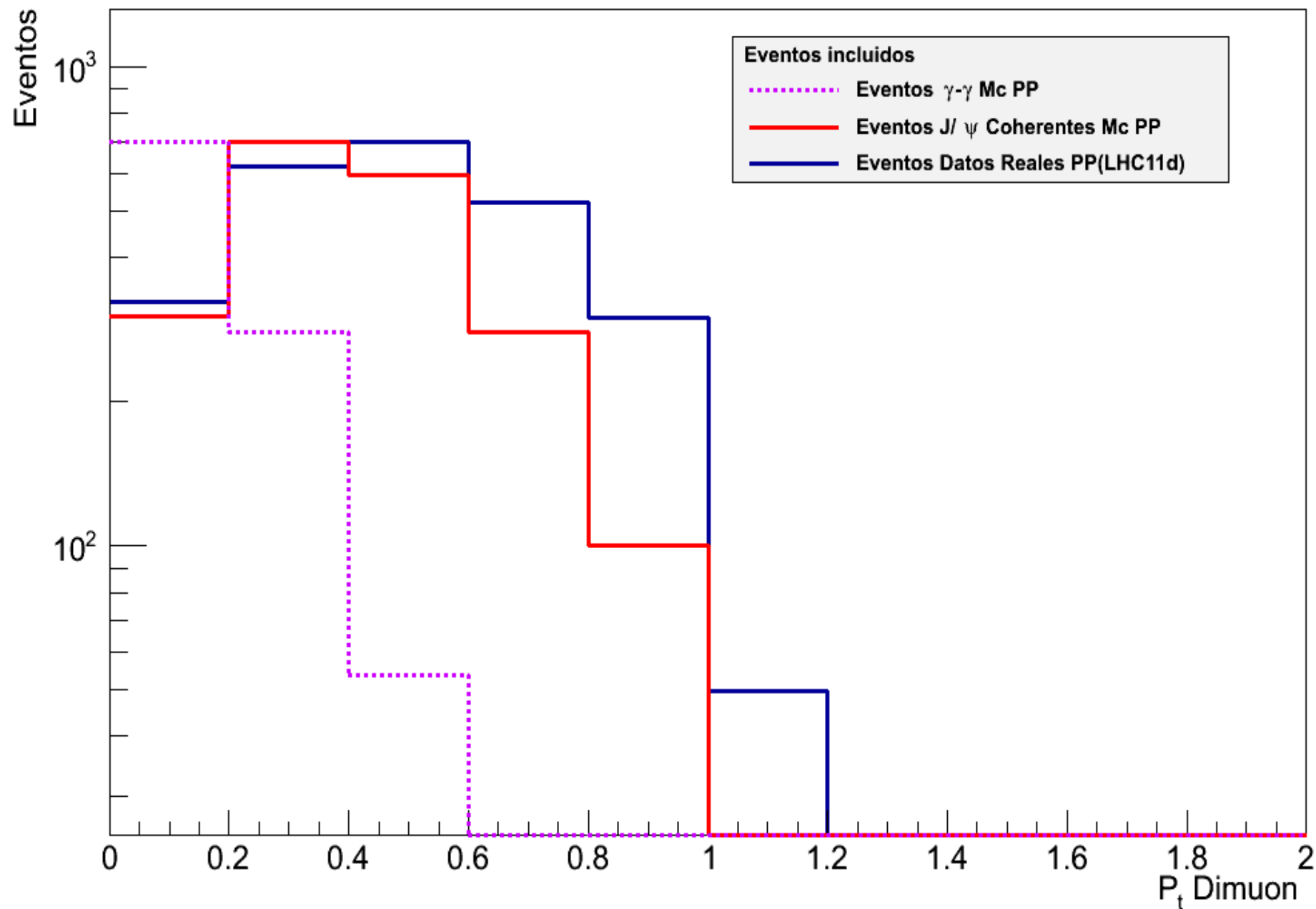


Pt Contribuciones Todos los Cortes

P_t para el Dimuon Datos P-P

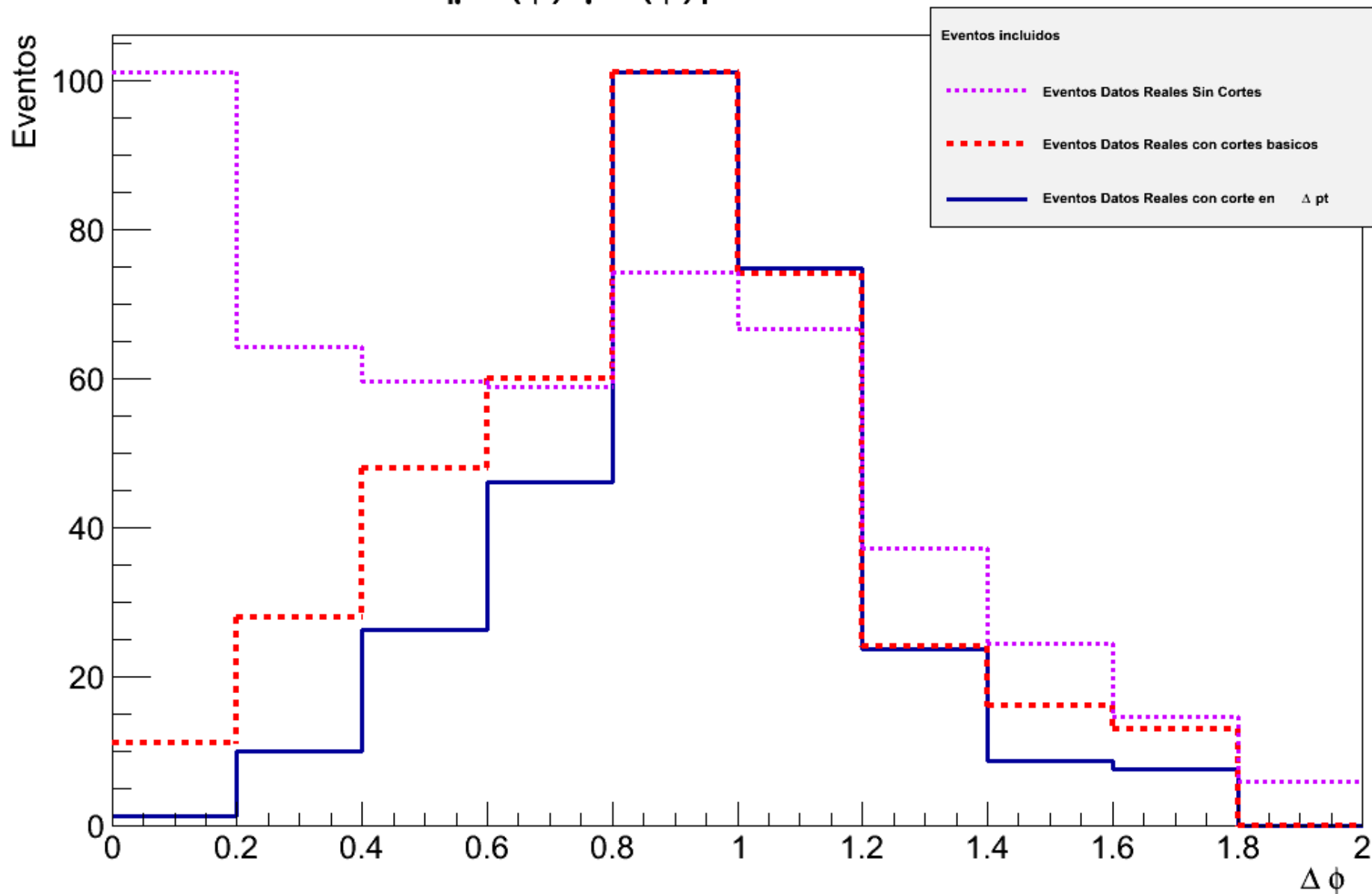


P_t para el Dimuon Datos P-P

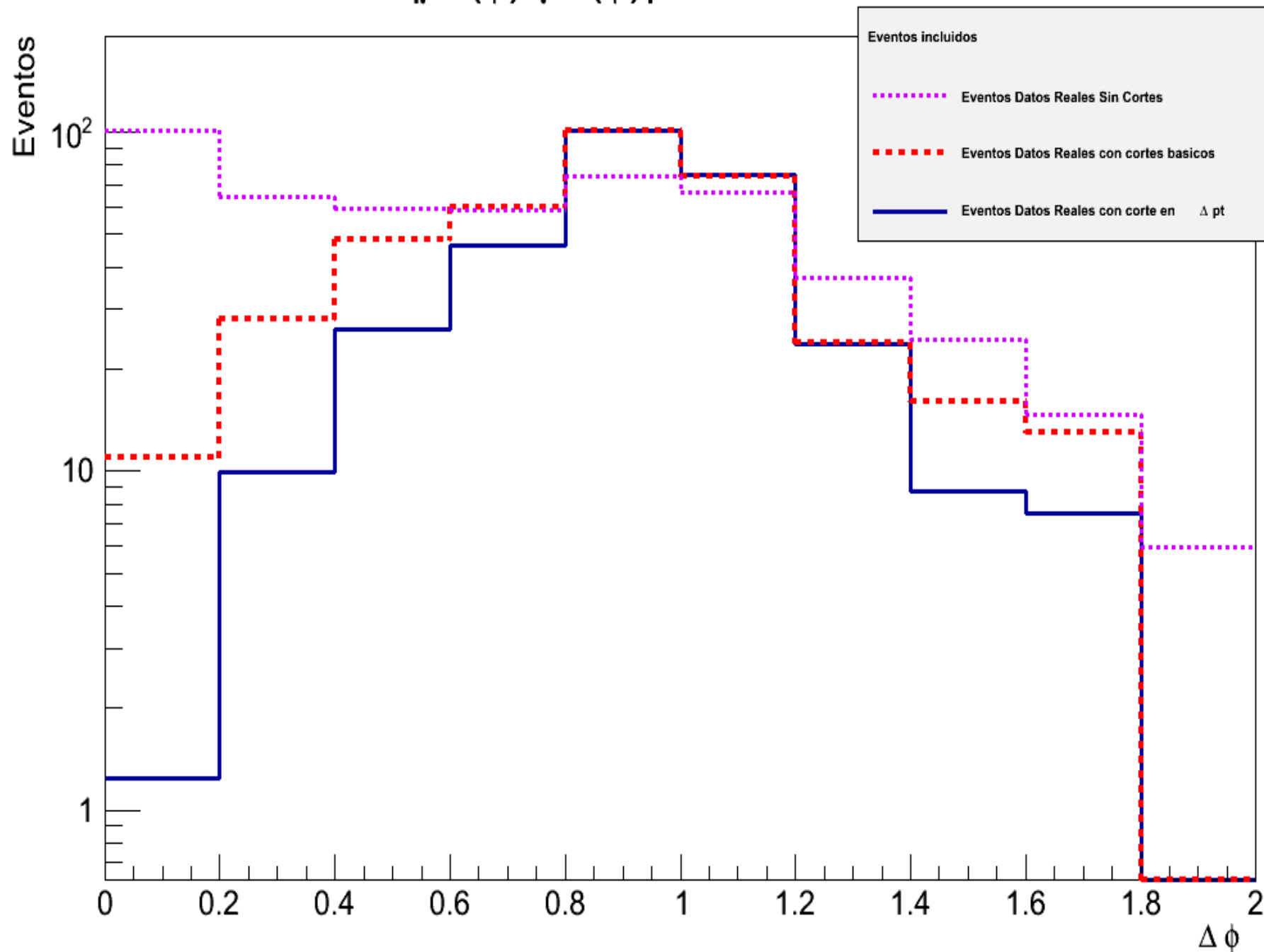


Evolución Cortes Delta Phi (D.Real)

$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

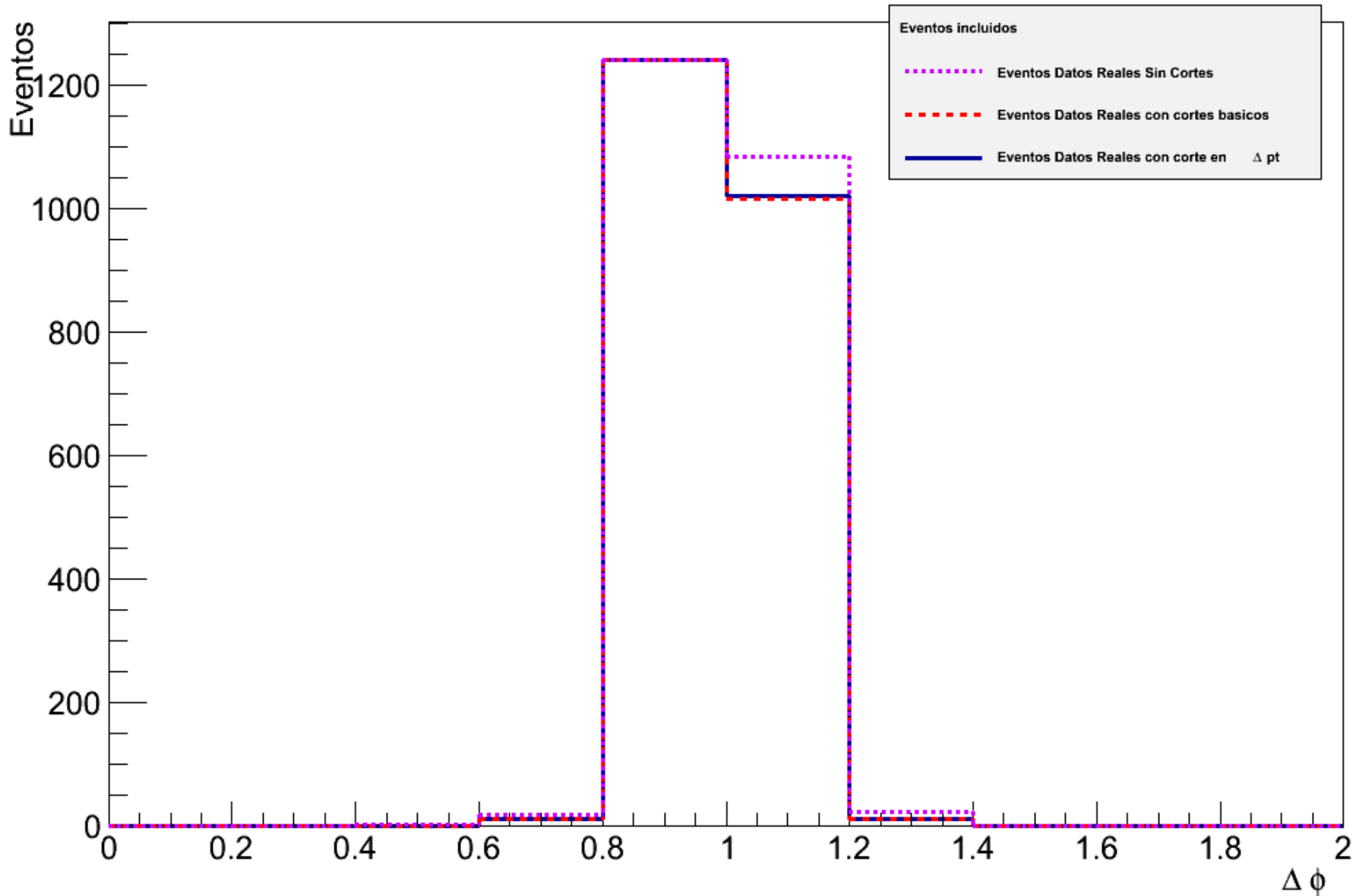


$|\mu^+(\phi)-\mu^-(\phi)|/\pi$ Datos P-P

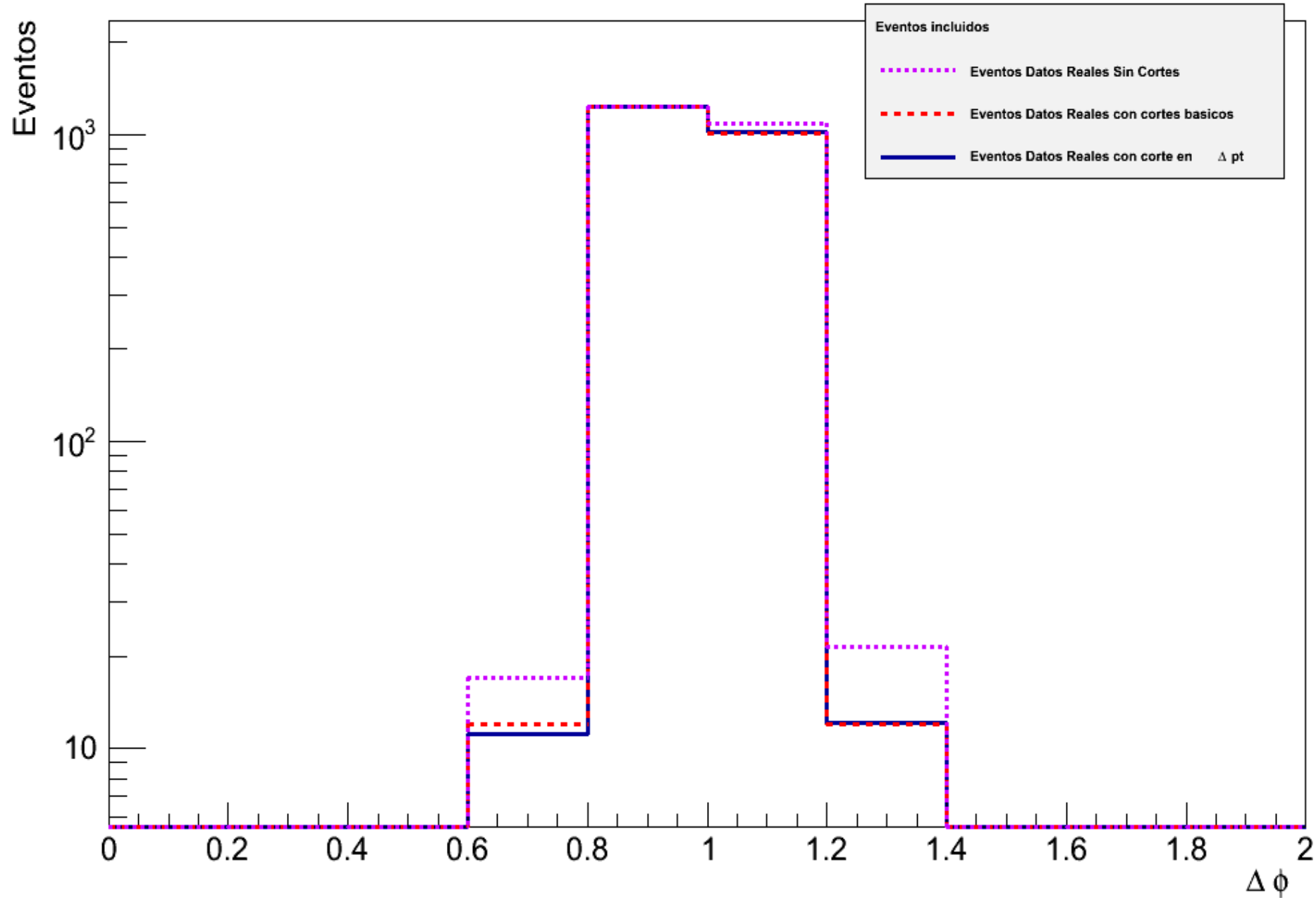


Evolución Cortes Delta Phi (Mc. Coher.)

$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

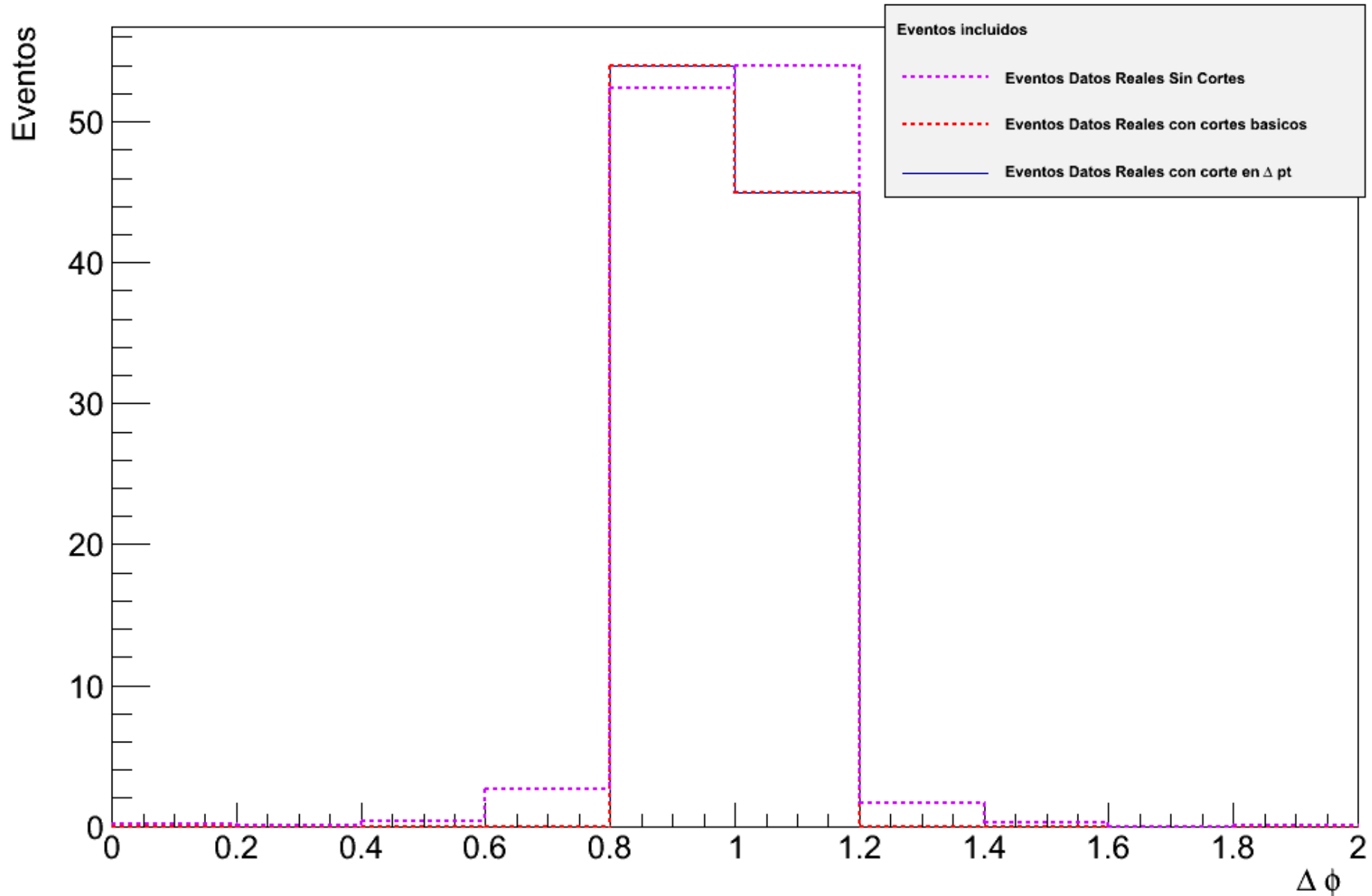


$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

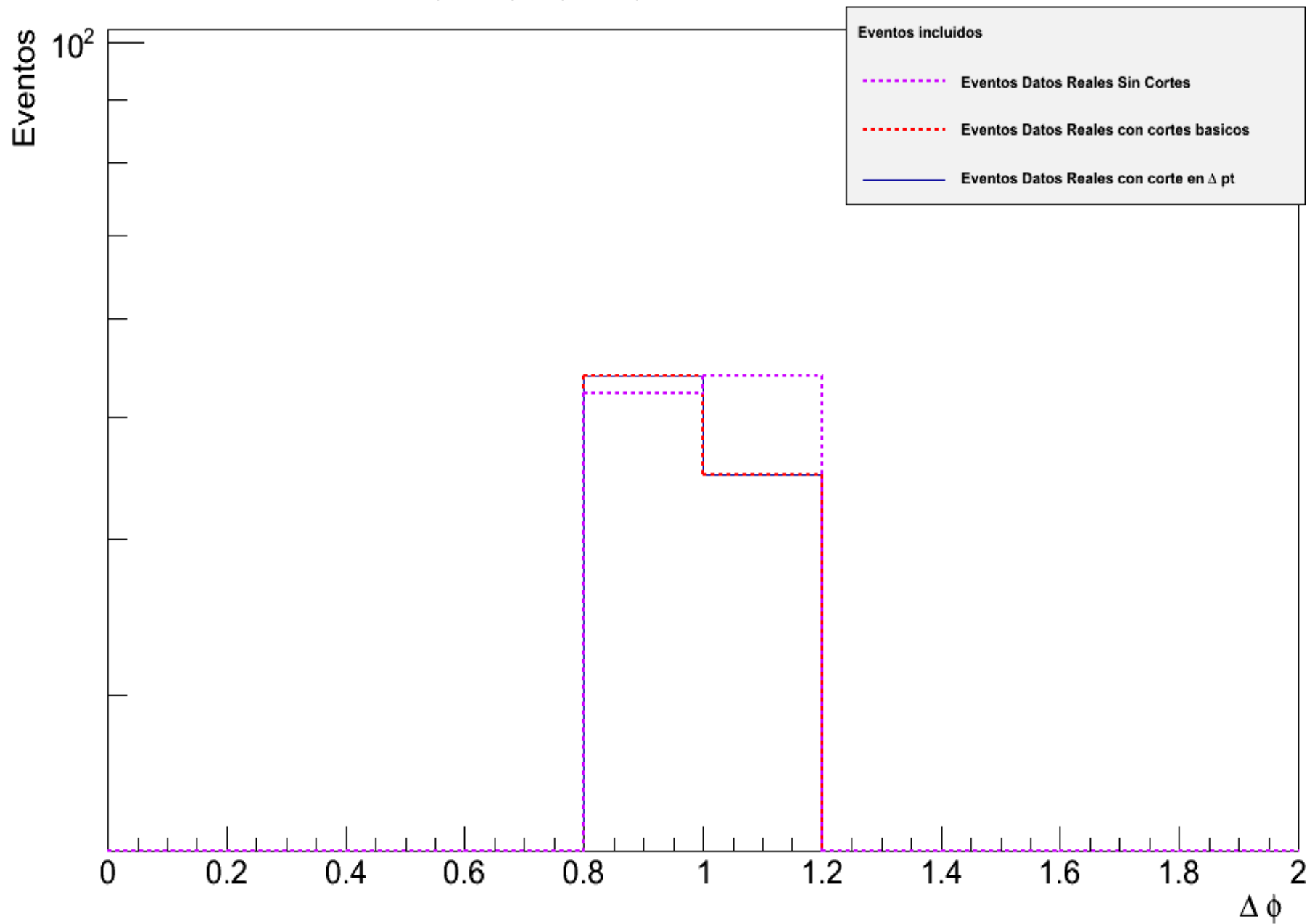


Evolución Cortes Delta Phi Mc.Gamma

$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

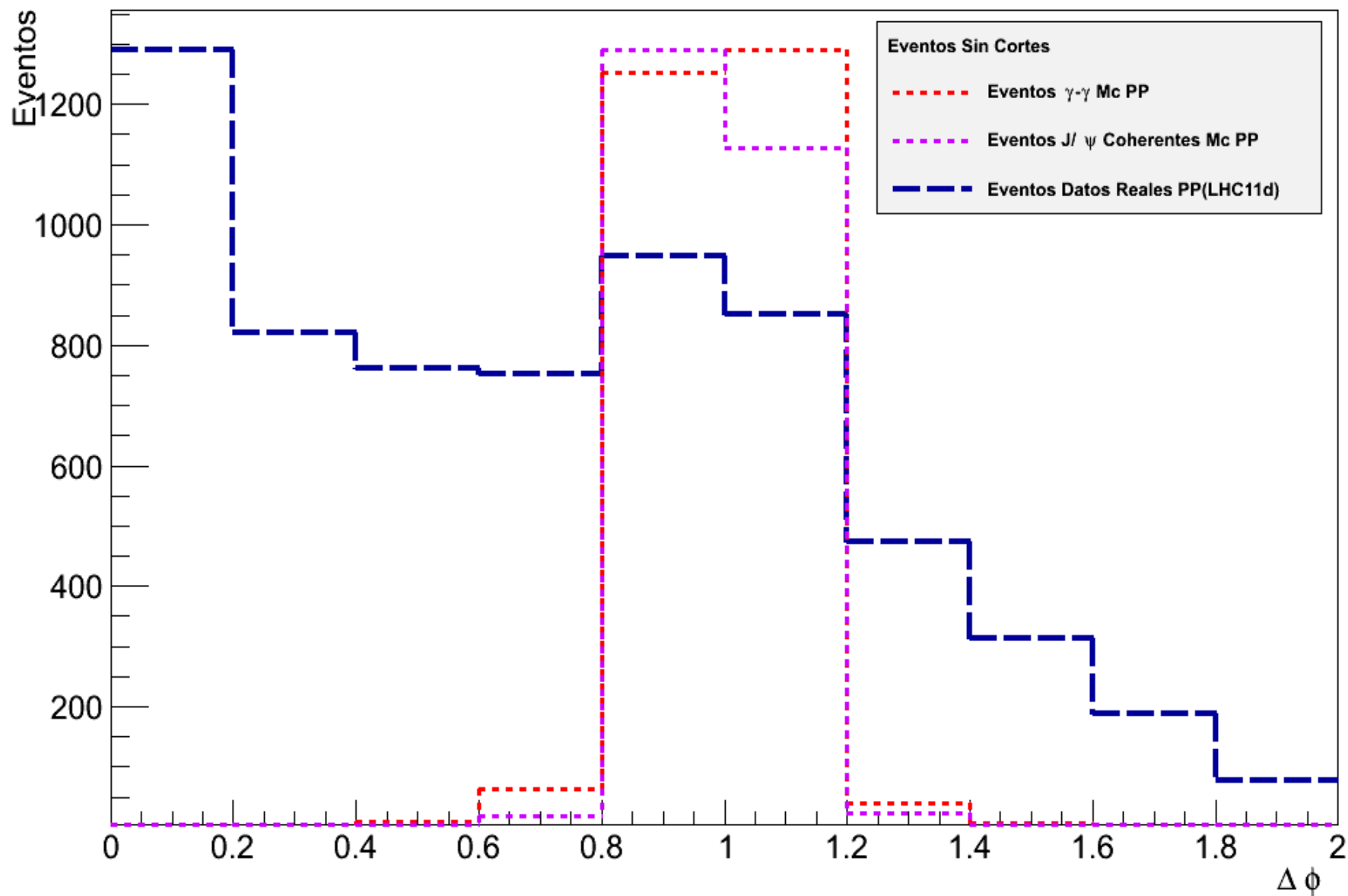


$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

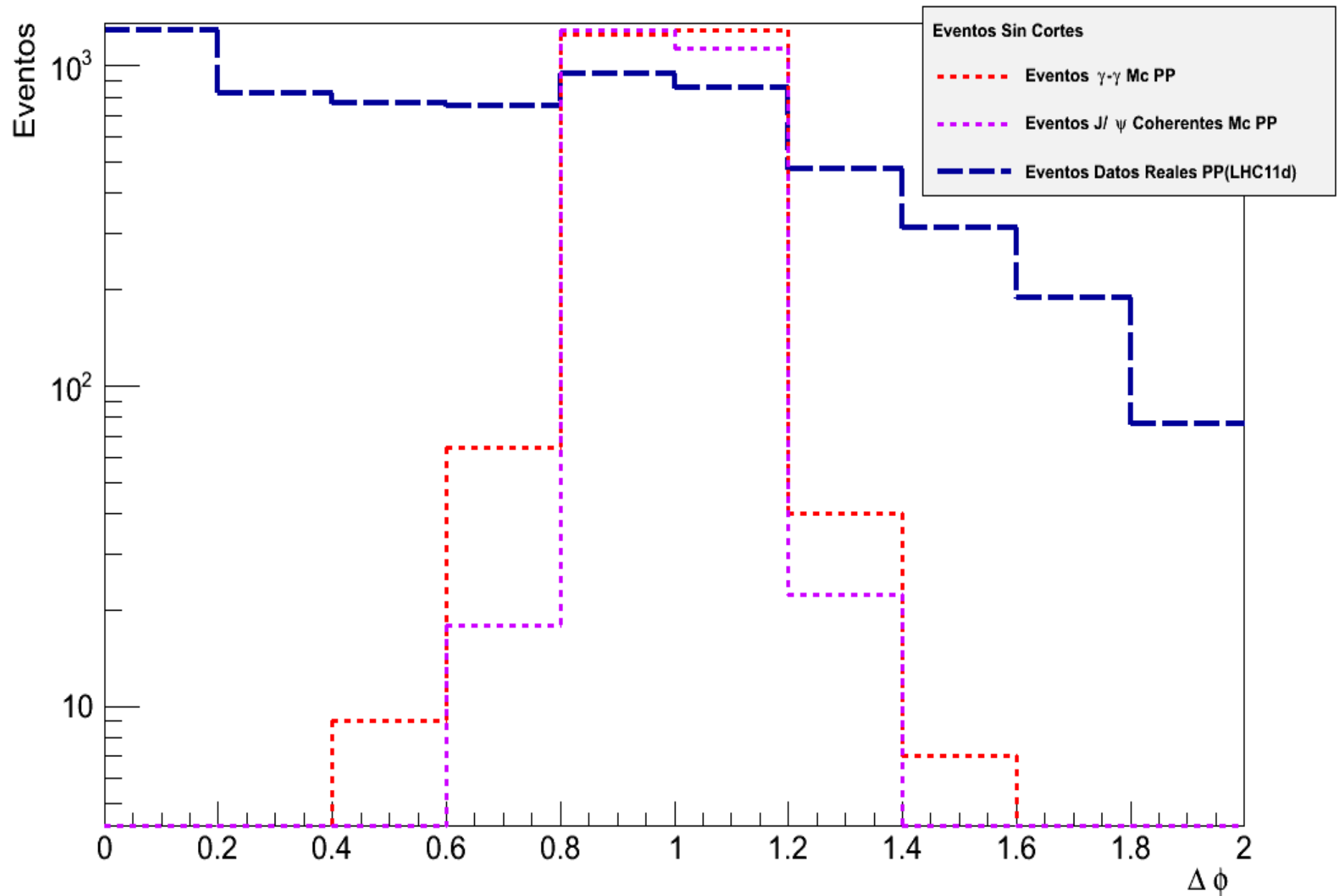


Contribuciones DeltaPhi Sin Cortes

$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

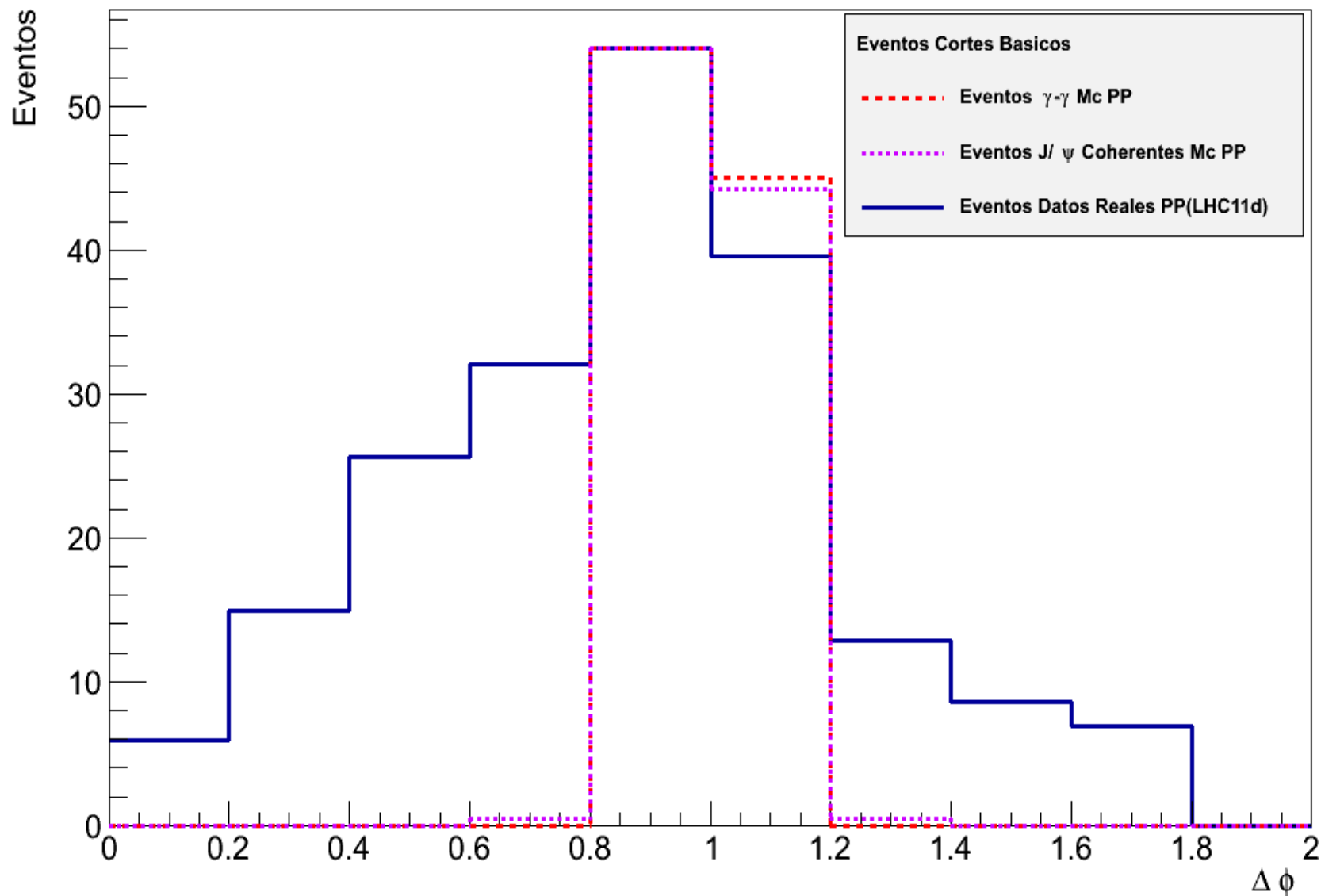


$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

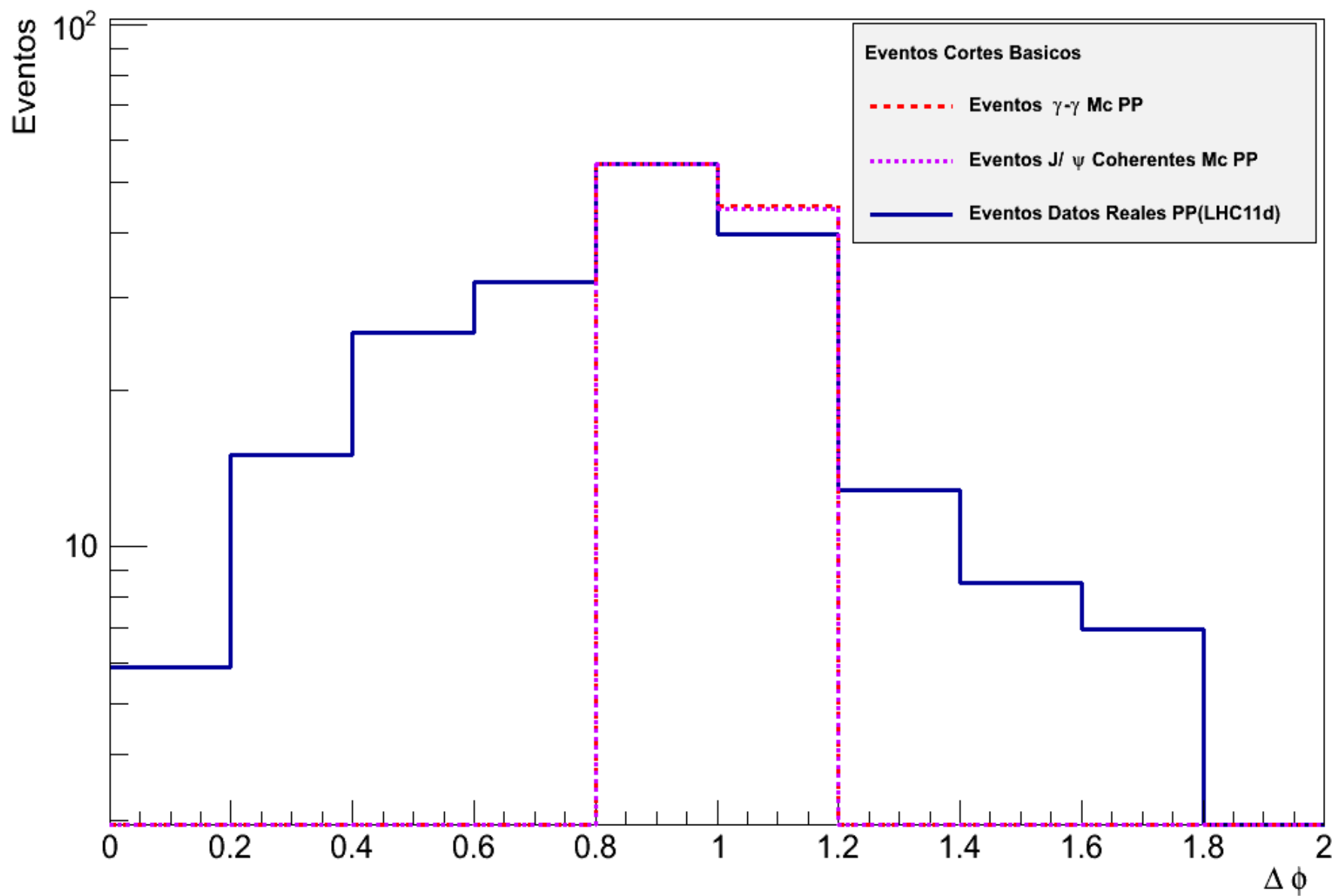


Contribuciones DeltaPhi Cortes Bas

$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

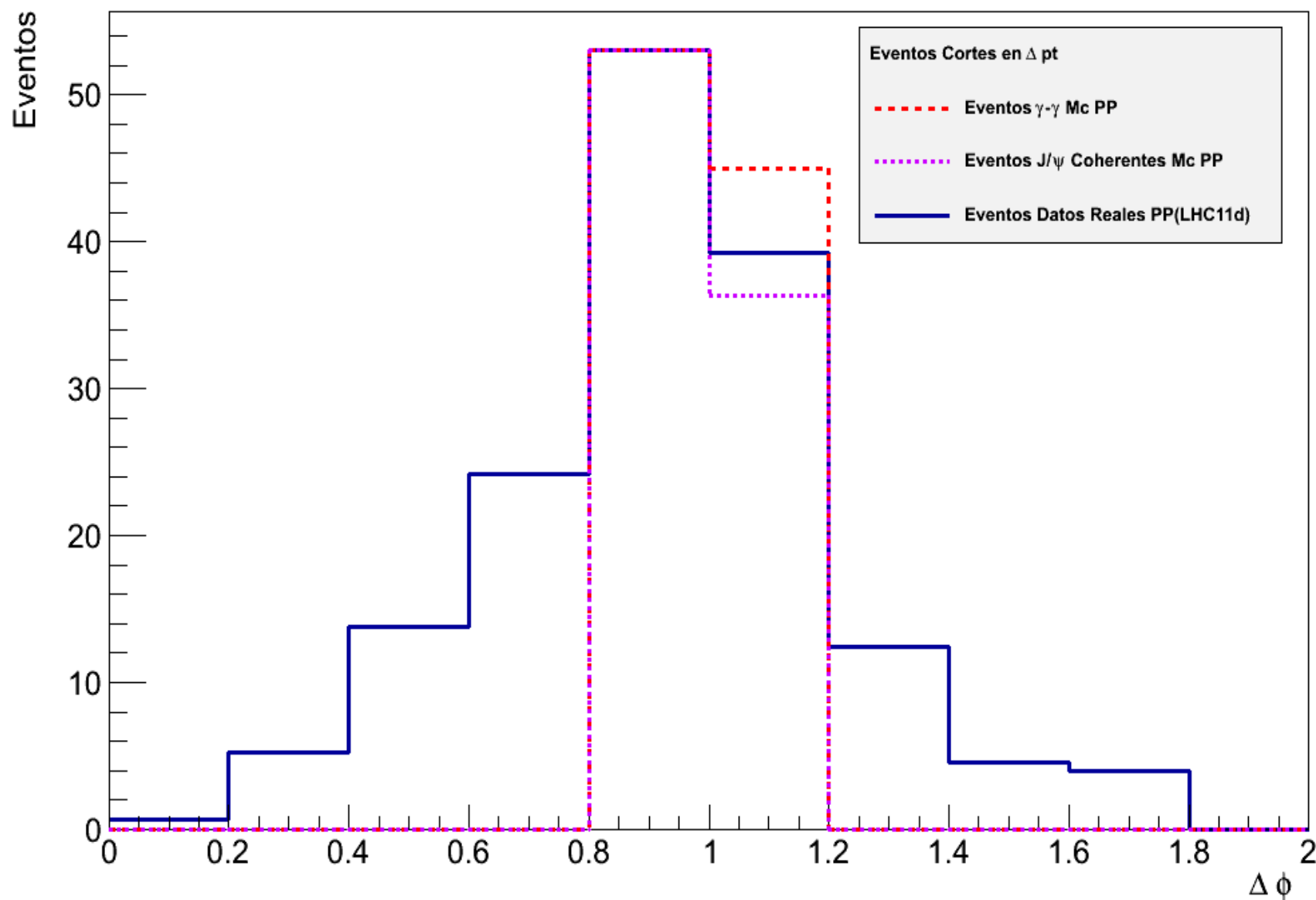


$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

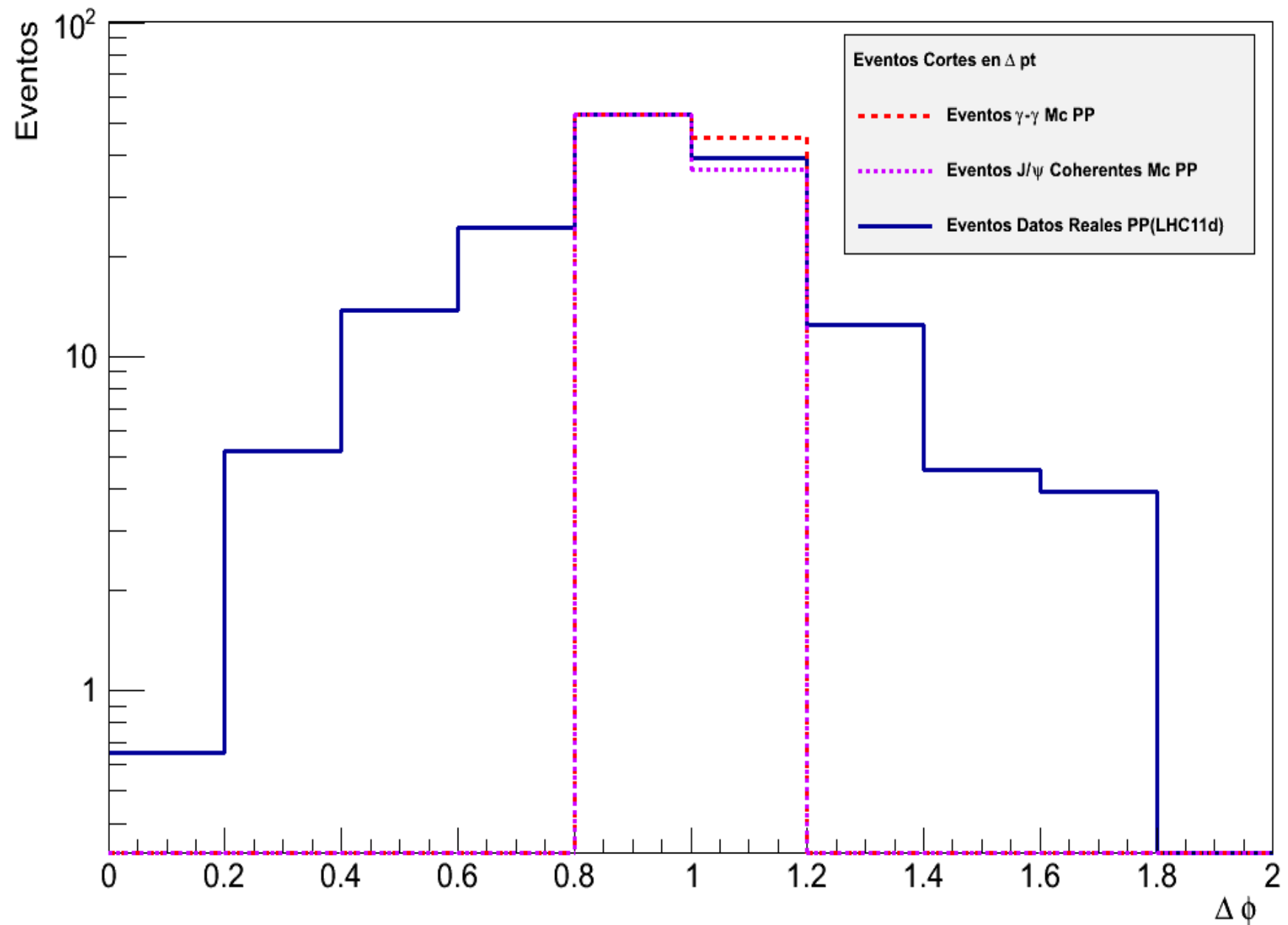


Contrib. DeltaPhi Corte en DeltaPt

$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

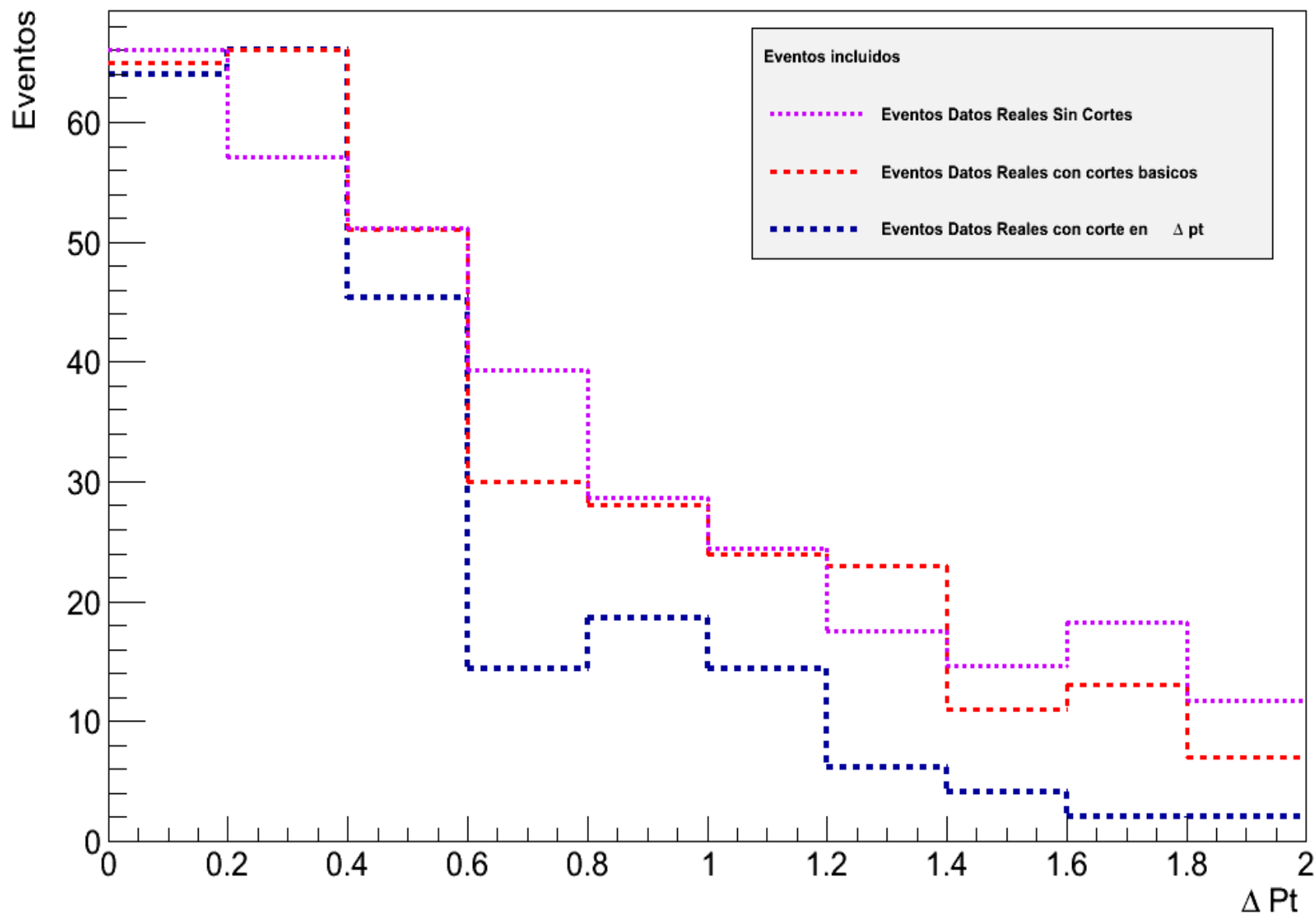


$|\mu^+(\phi) - \mu^-(\phi)|/\pi$ Datos P-P

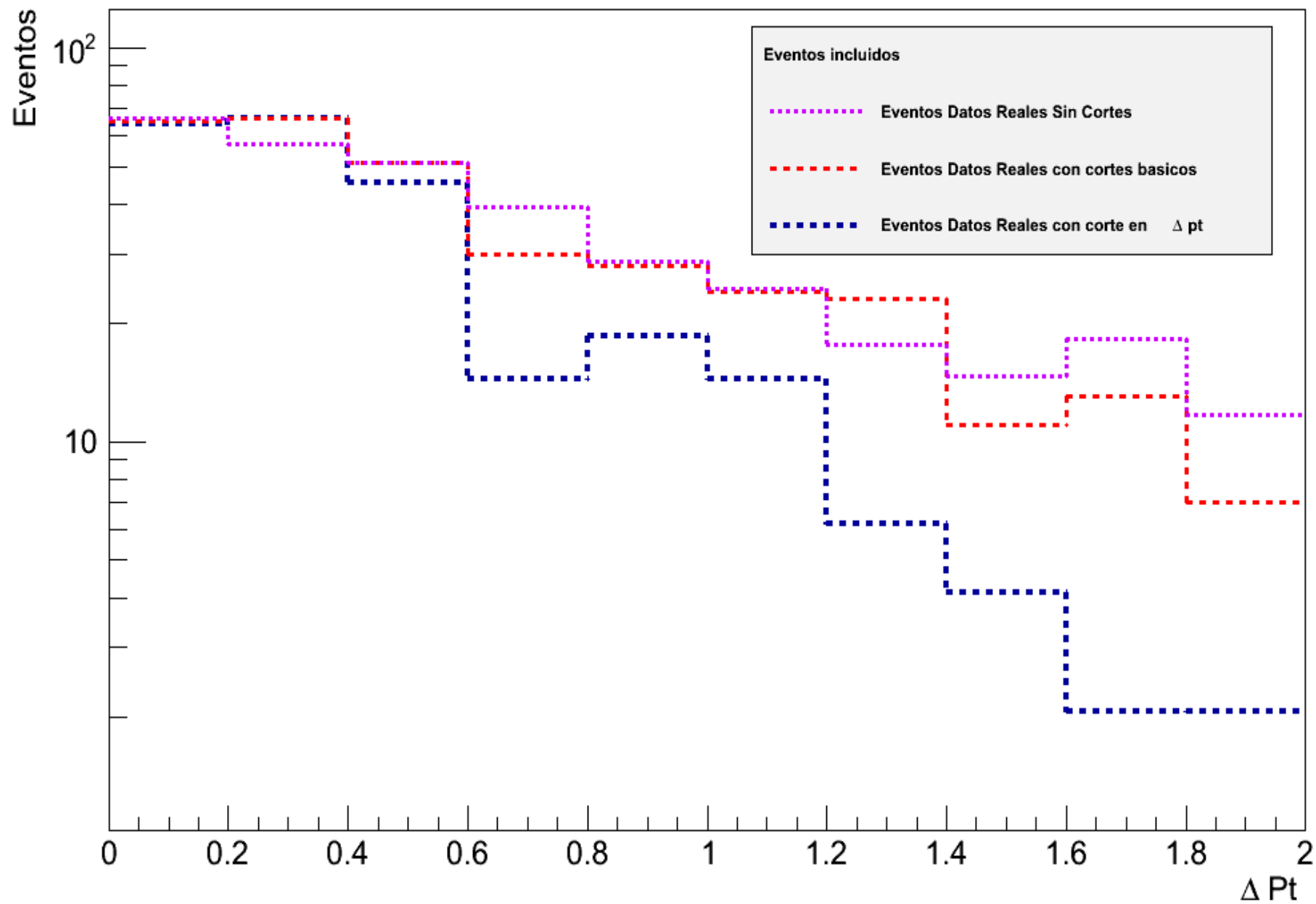


Evolución Cortes Delta Pt (D.Real)

$|\mu^+(pt) - \mu^+(pt)|$ Datos P-P

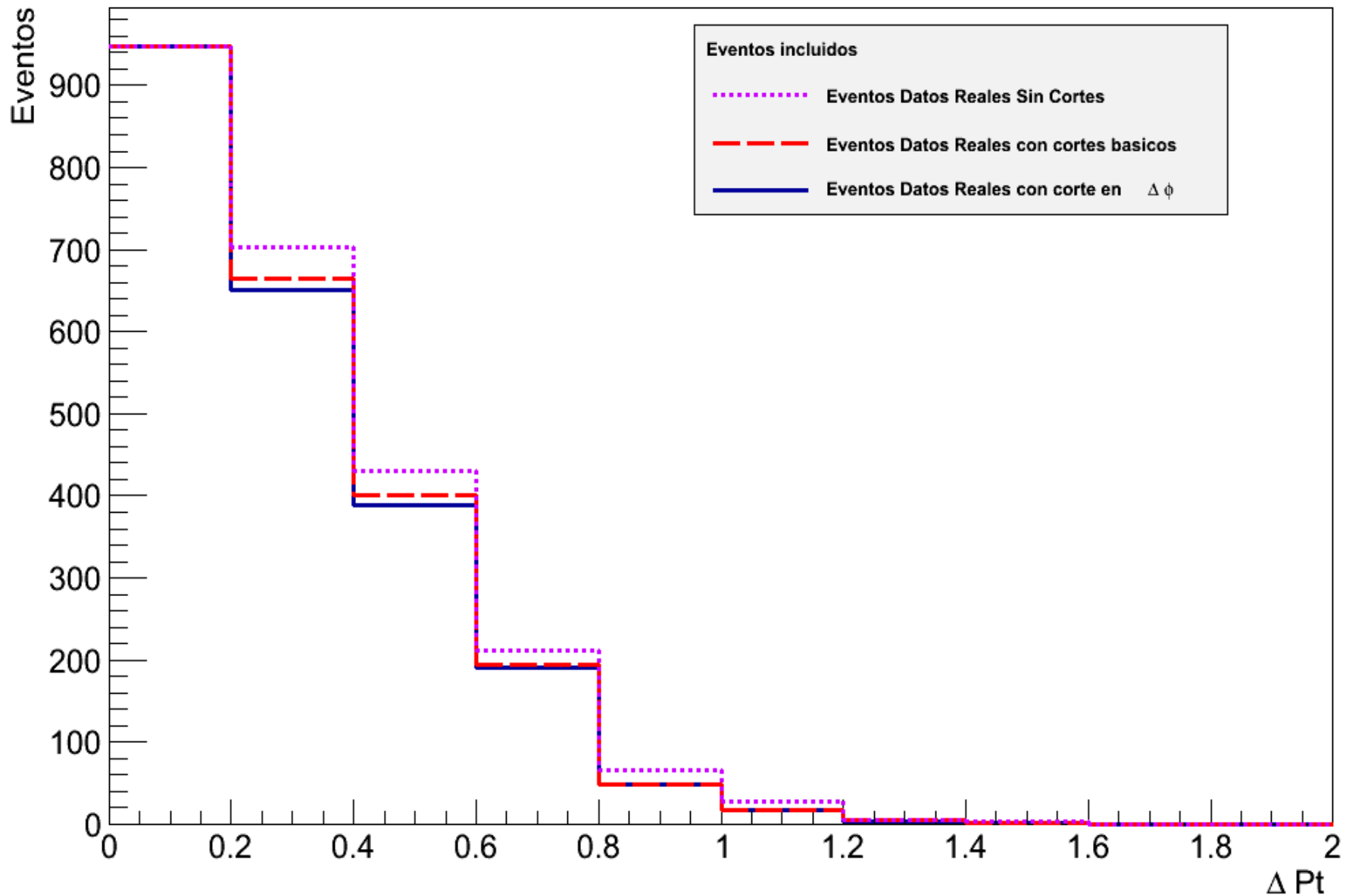


$|\mu^+(pt)-\mu^-(pt)|$ Datos P-P

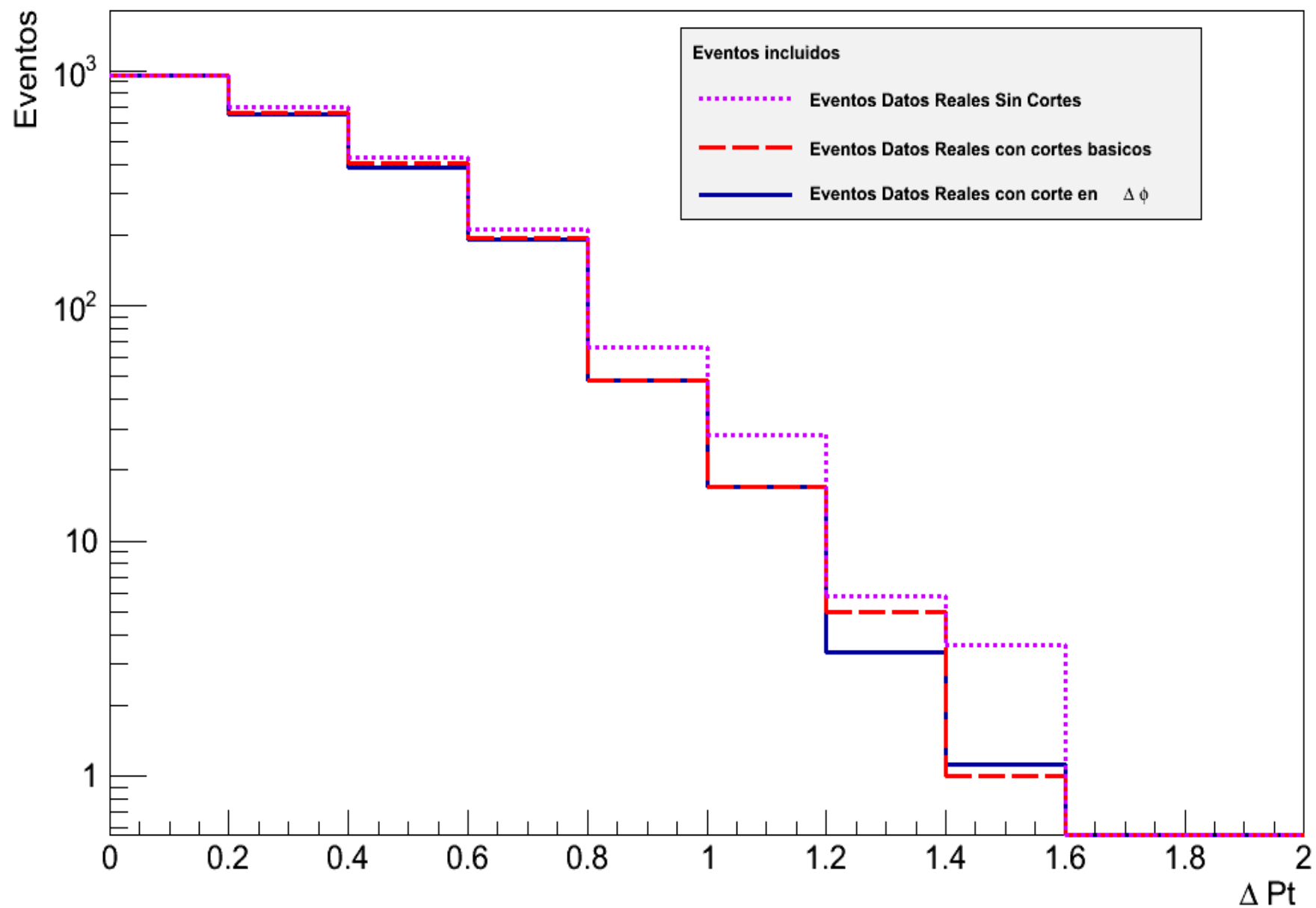


Evolución Cortes DeltaPt Mc Coher.

$|\mu^+(\text{pt}) - \mu^+(\text{pt})|$ Datos P-P

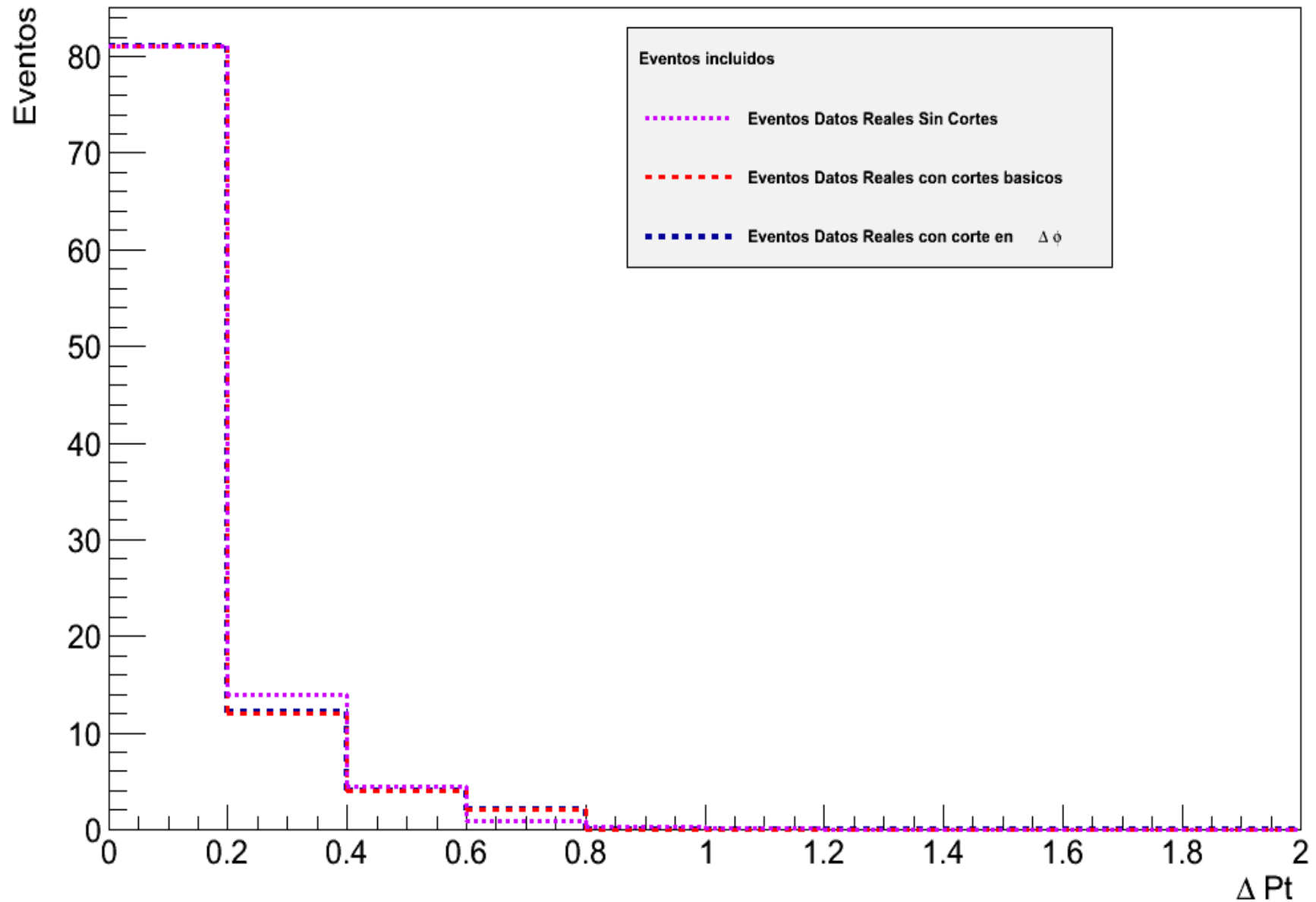


$|\mu^+(pt)-\mu^+(pt)|$ Datos P-P

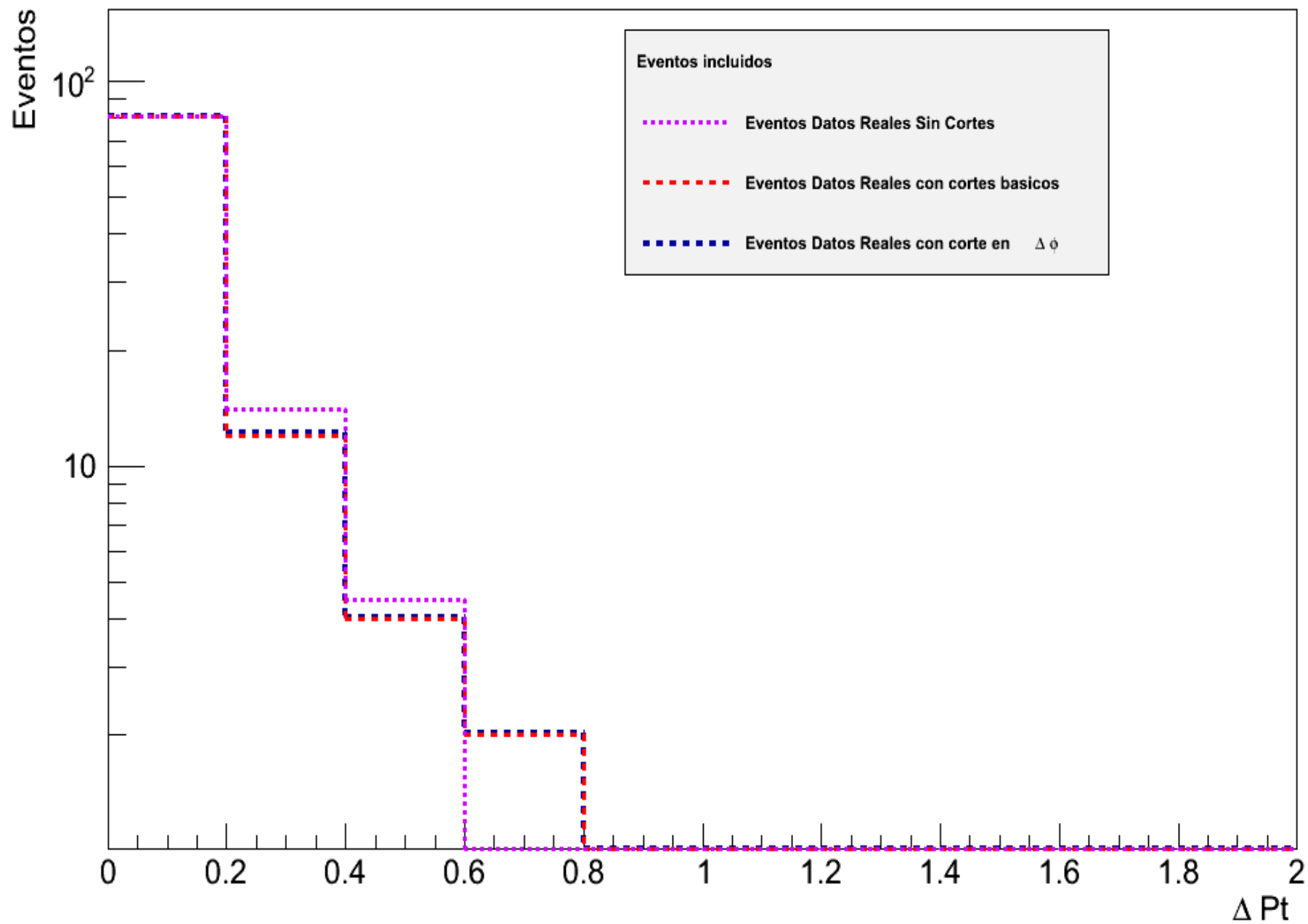


Evolución Corte DeltaPt Mc Gamma

$|\mu^+(pt)-\mu^+(pt)|$ Datos P-P

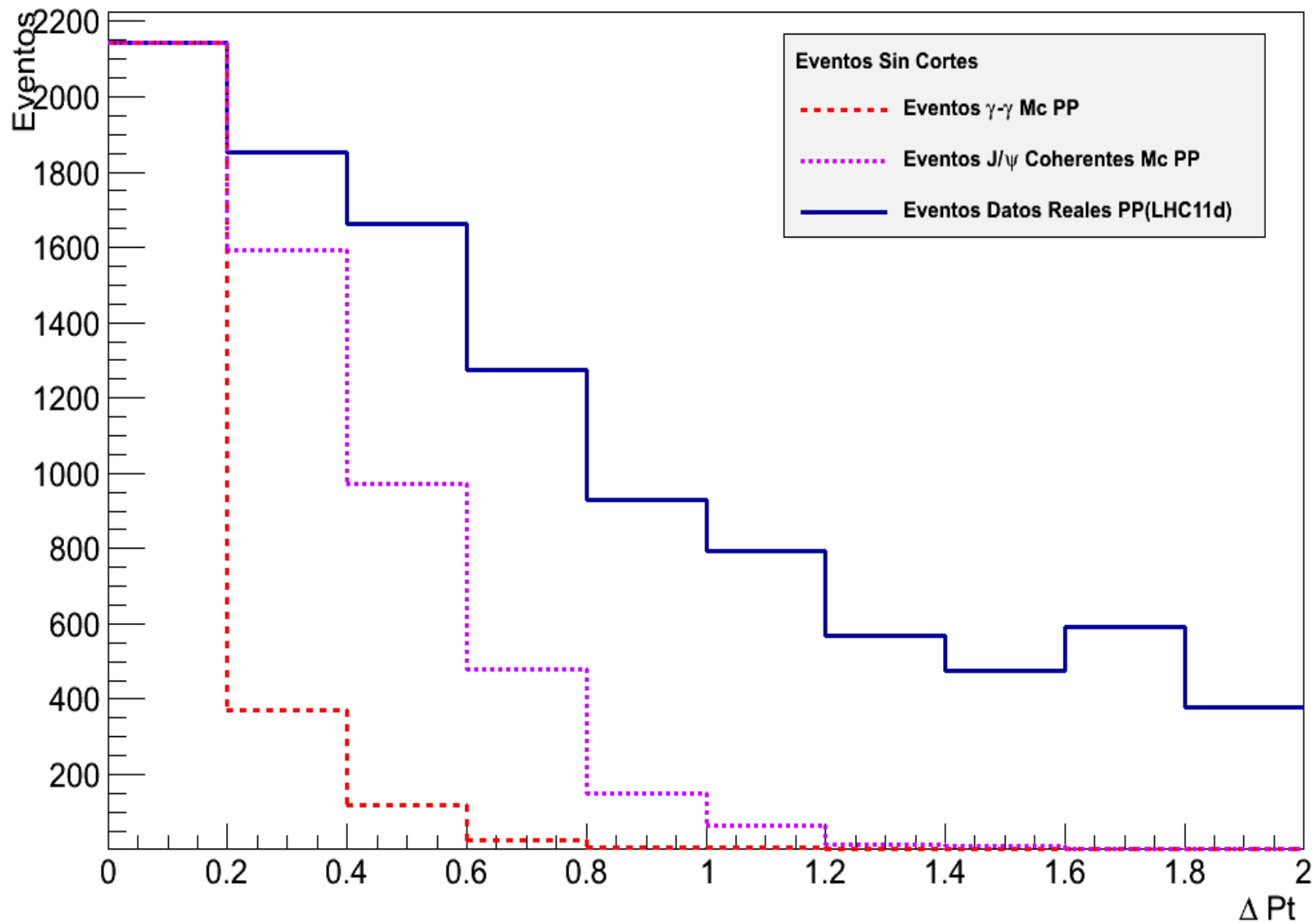


$|\mu^+(pt)-\mu^+(pt)|$ Datos P-P

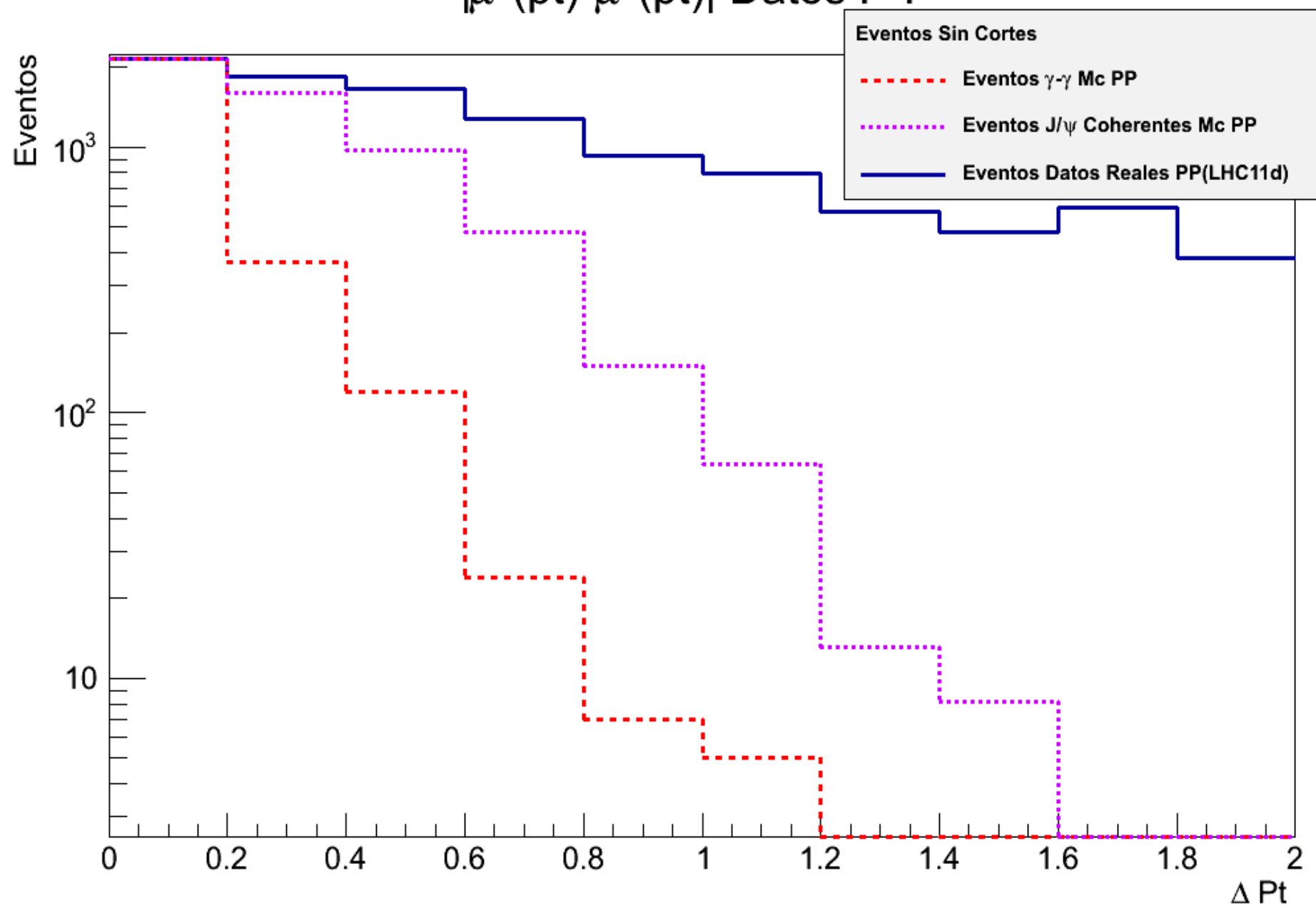


Contrib. DeltaPt Sin Cortes

$|\mu^+(\text{pt}) - \mu^+(\text{pt})|$ Datos P-P

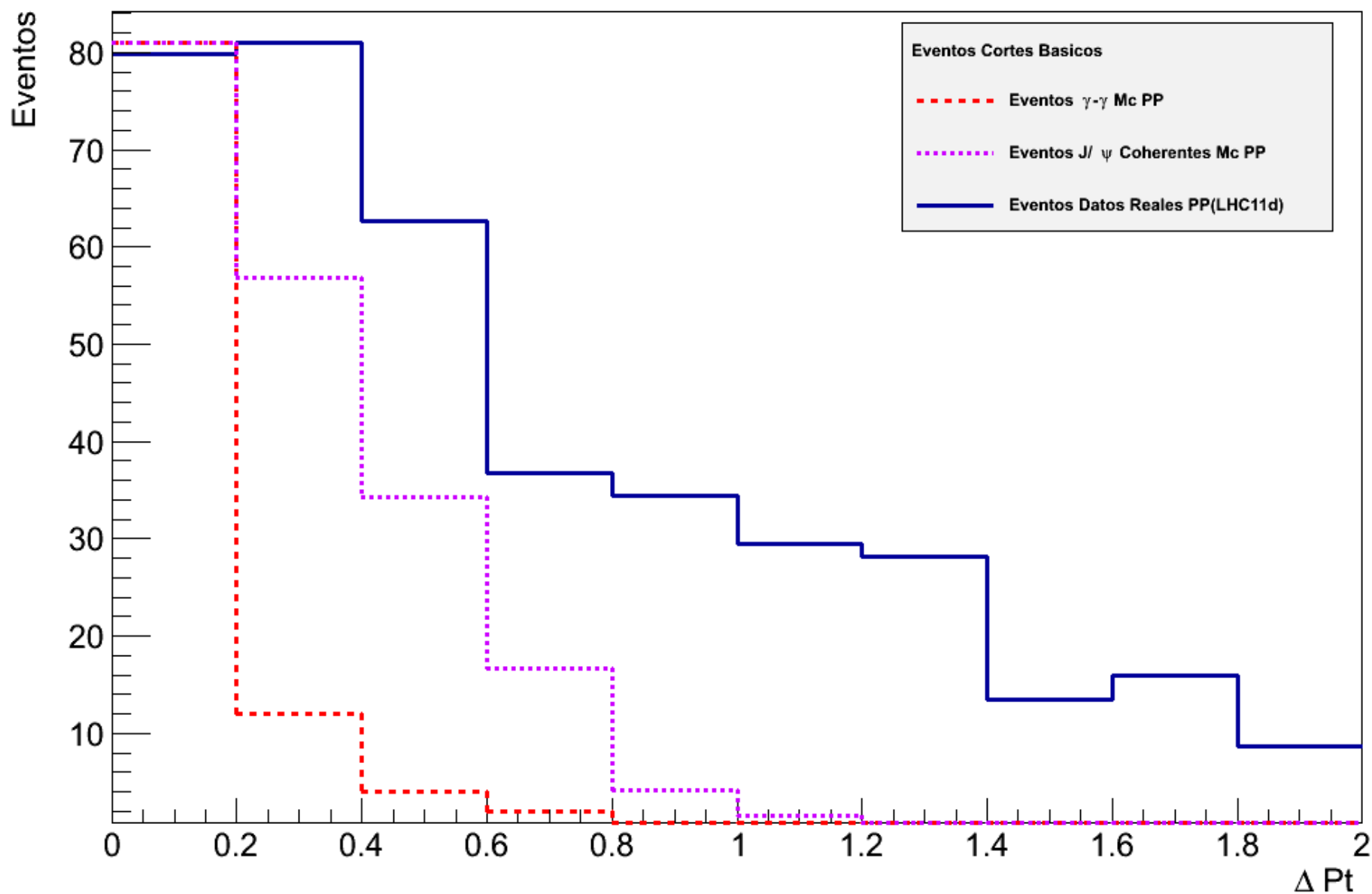


$|\mu^+(pt)-\mu^+(pt)|$ Datos P-P

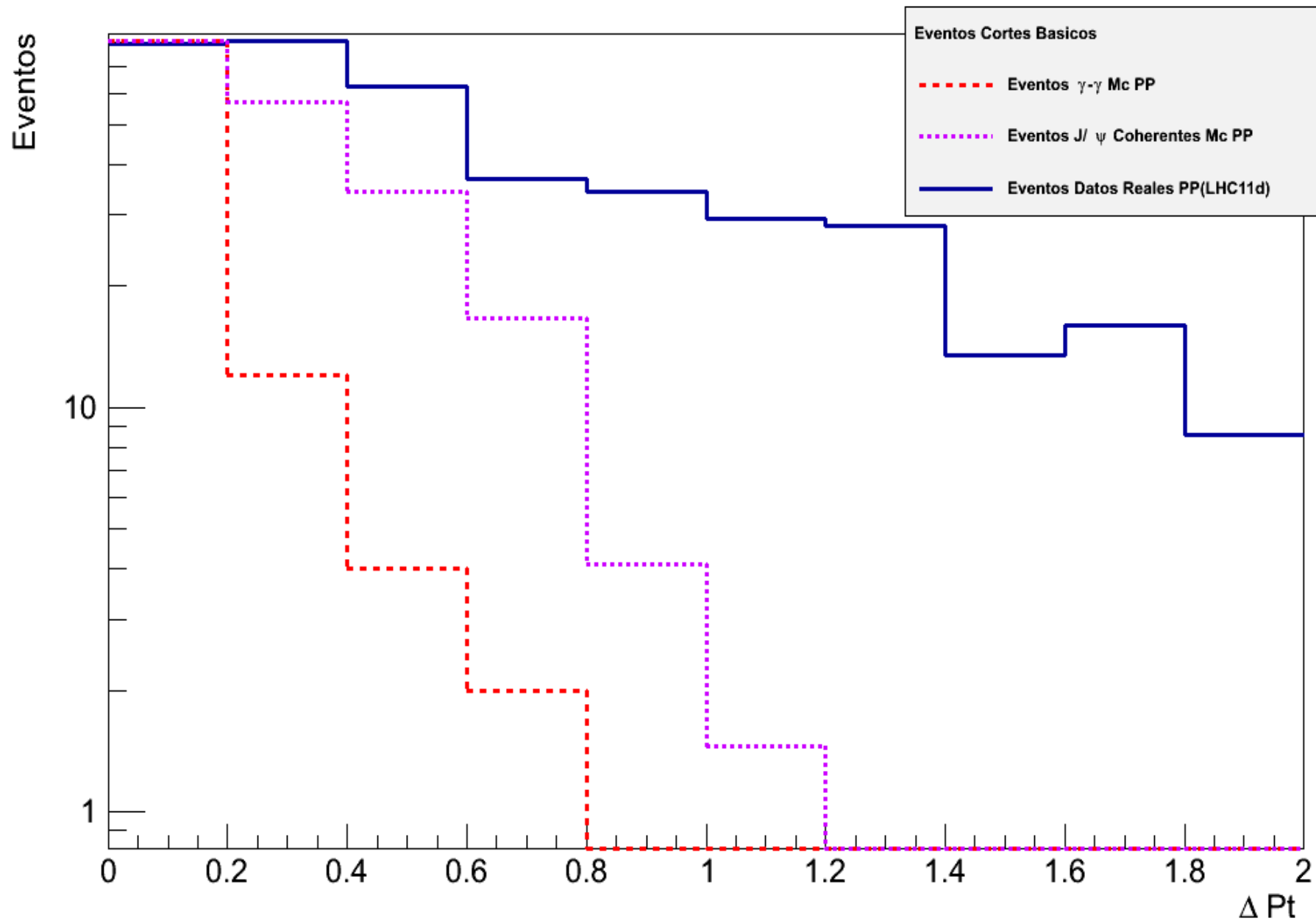


Contrib. DeltaPt Cortes Básicos

$|\mu^+(pt) - \mu^+(pt)|$ Datos P-P

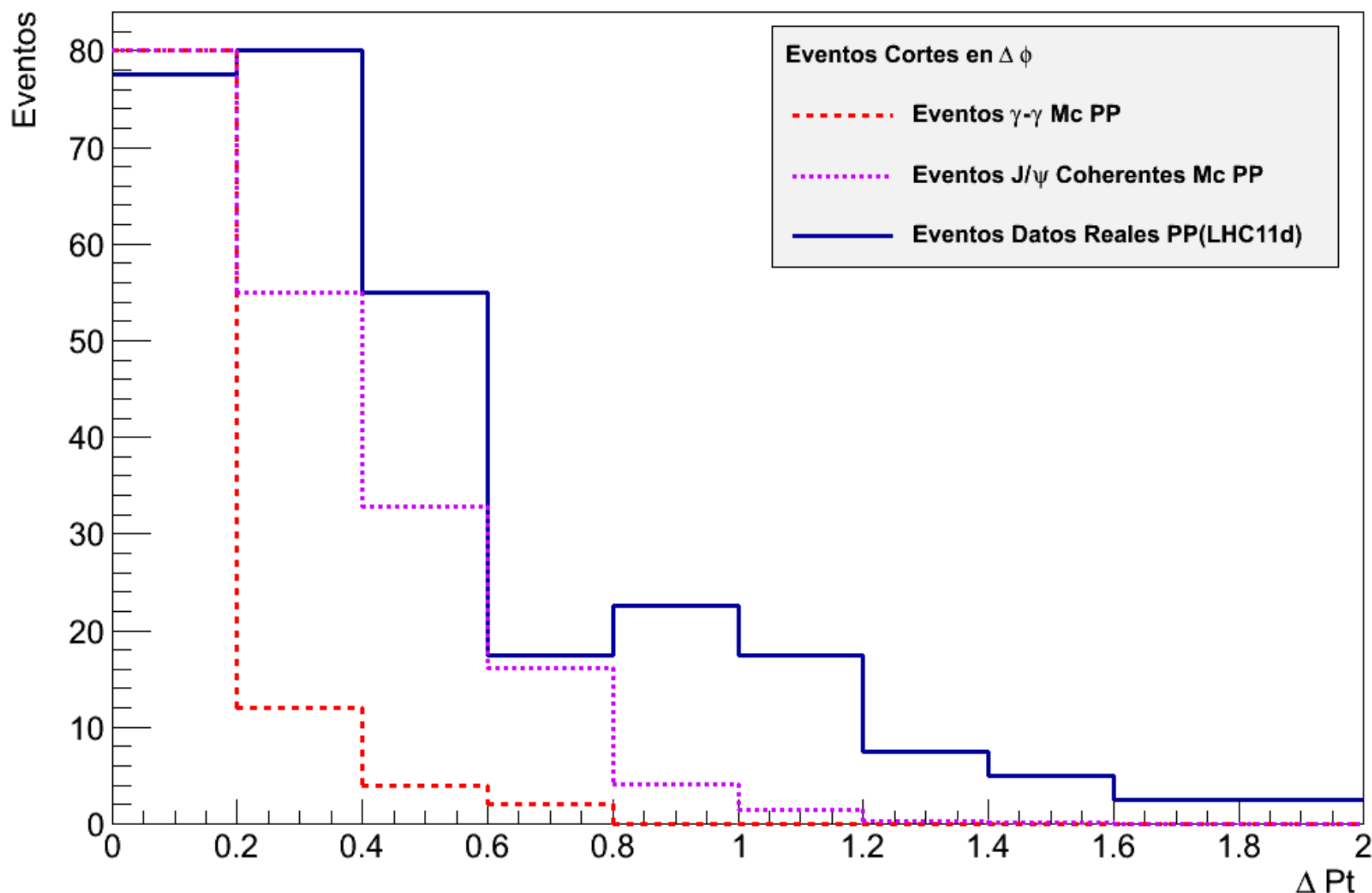


$|\mu^+(pt)-\mu^+(pt)|$ Datos P-P

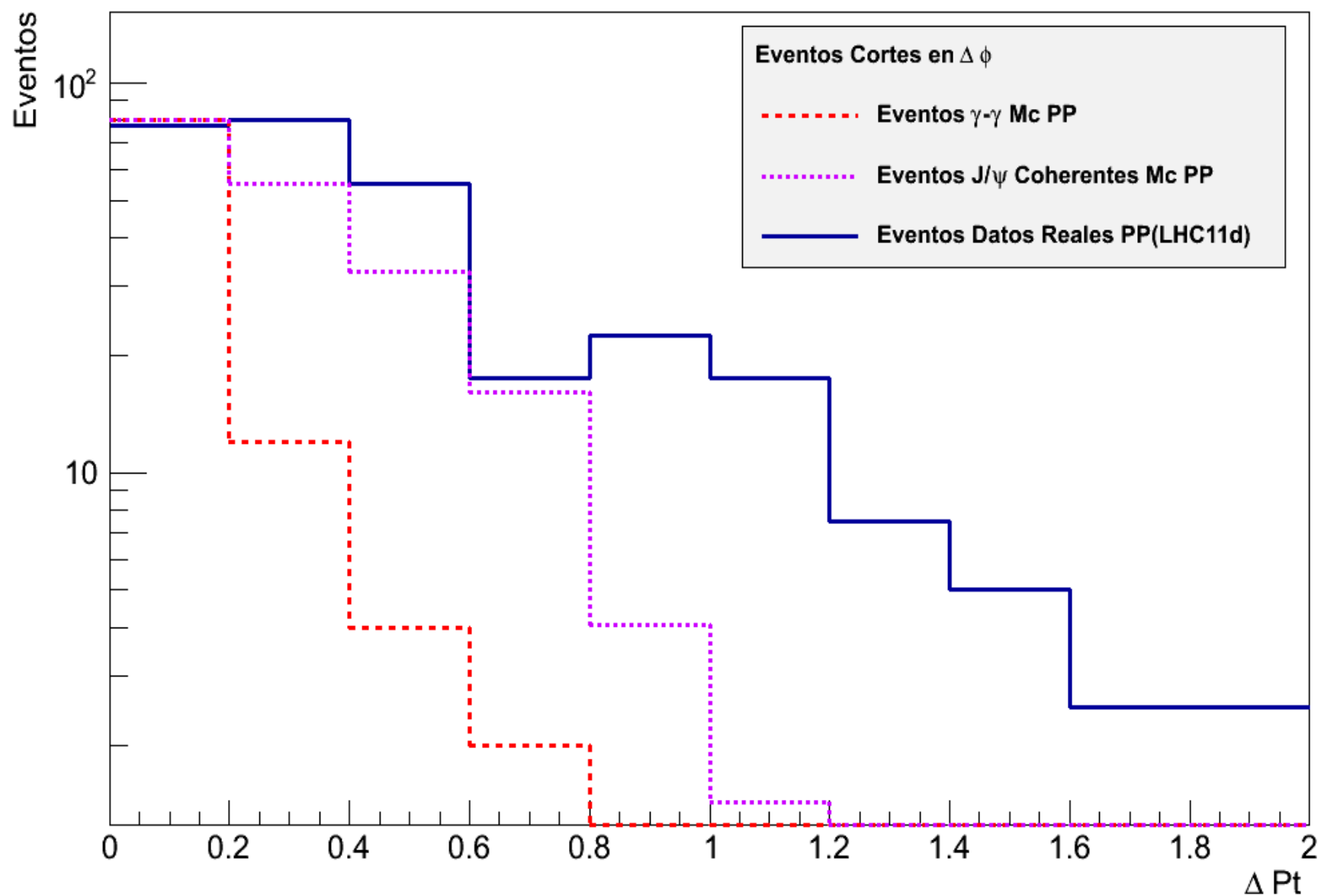


Contrib. DeltaPt Corte en DeltaPhi

$|\mu^+(pt) - \mu^+(pt)|$ Datos P-P



$|\mu^+(pt)-\mu^+(pt)|$ Datos P-P



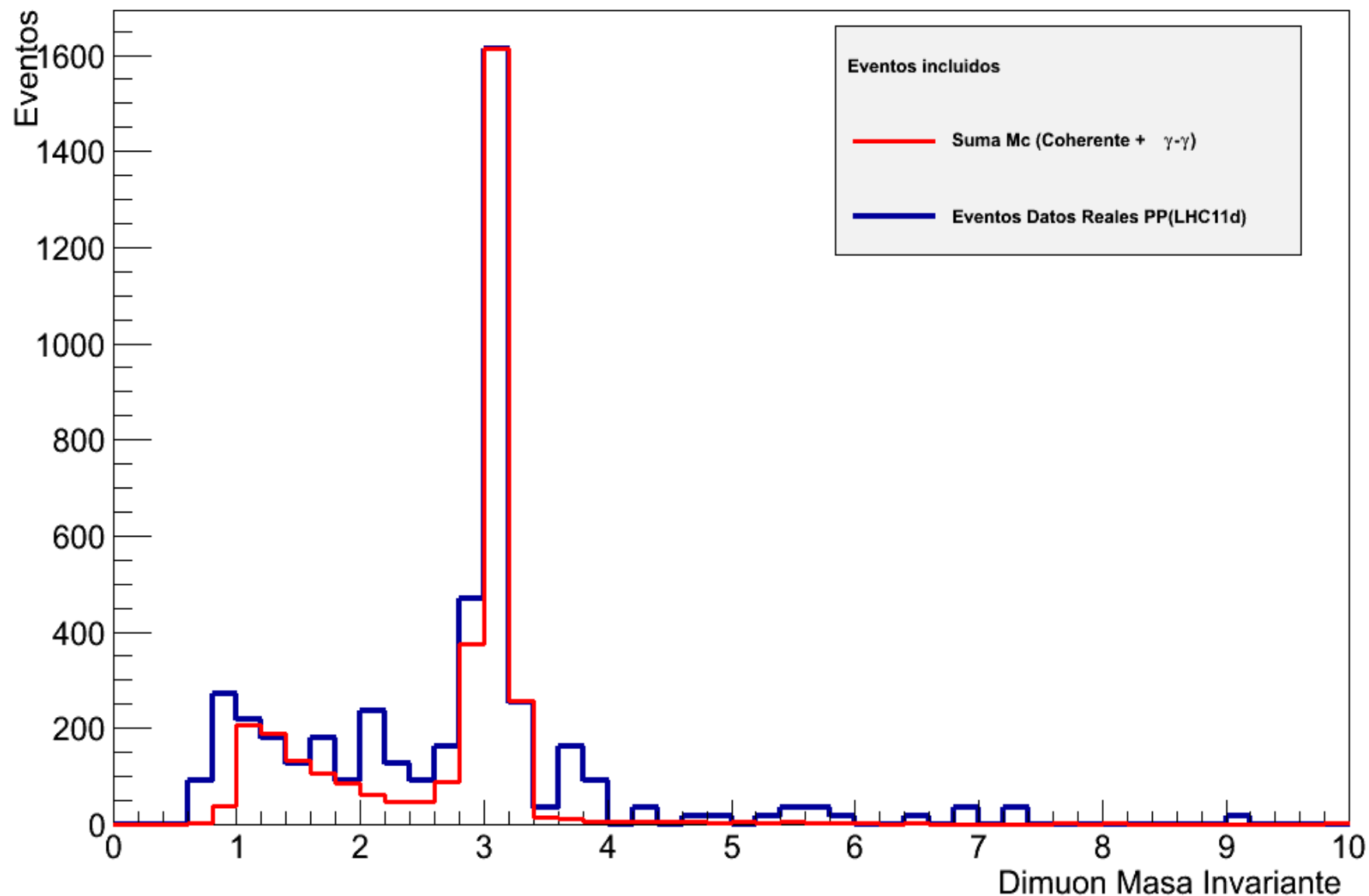
Espectro de Masa.

- Escogiendo los Cortes básicos, y de los plots anteriores analizados para DeltaPhi, DeltaPt se toma el corte
- $0.8 < \text{DeltaPhi} < 1.2$
- $\text{DeltaPt} < 0.8$

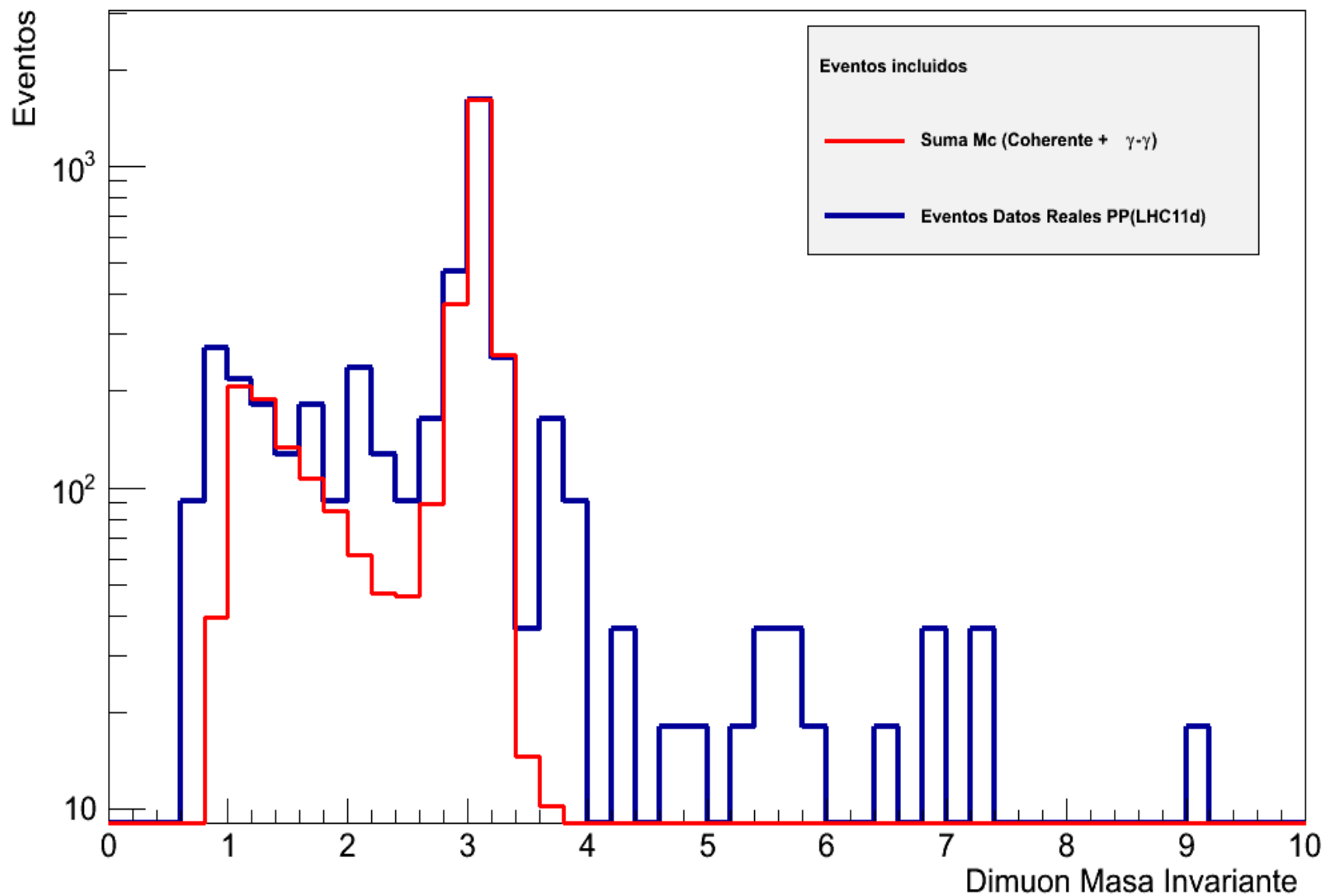
Se obtiene el siguiente espectro de masa, quitando algún corte en masa y sumando el Mc de Coherente y Gamma ajustando conforme al espectro de Datos.

Espectro de masa invariante.

Espectro de Masa



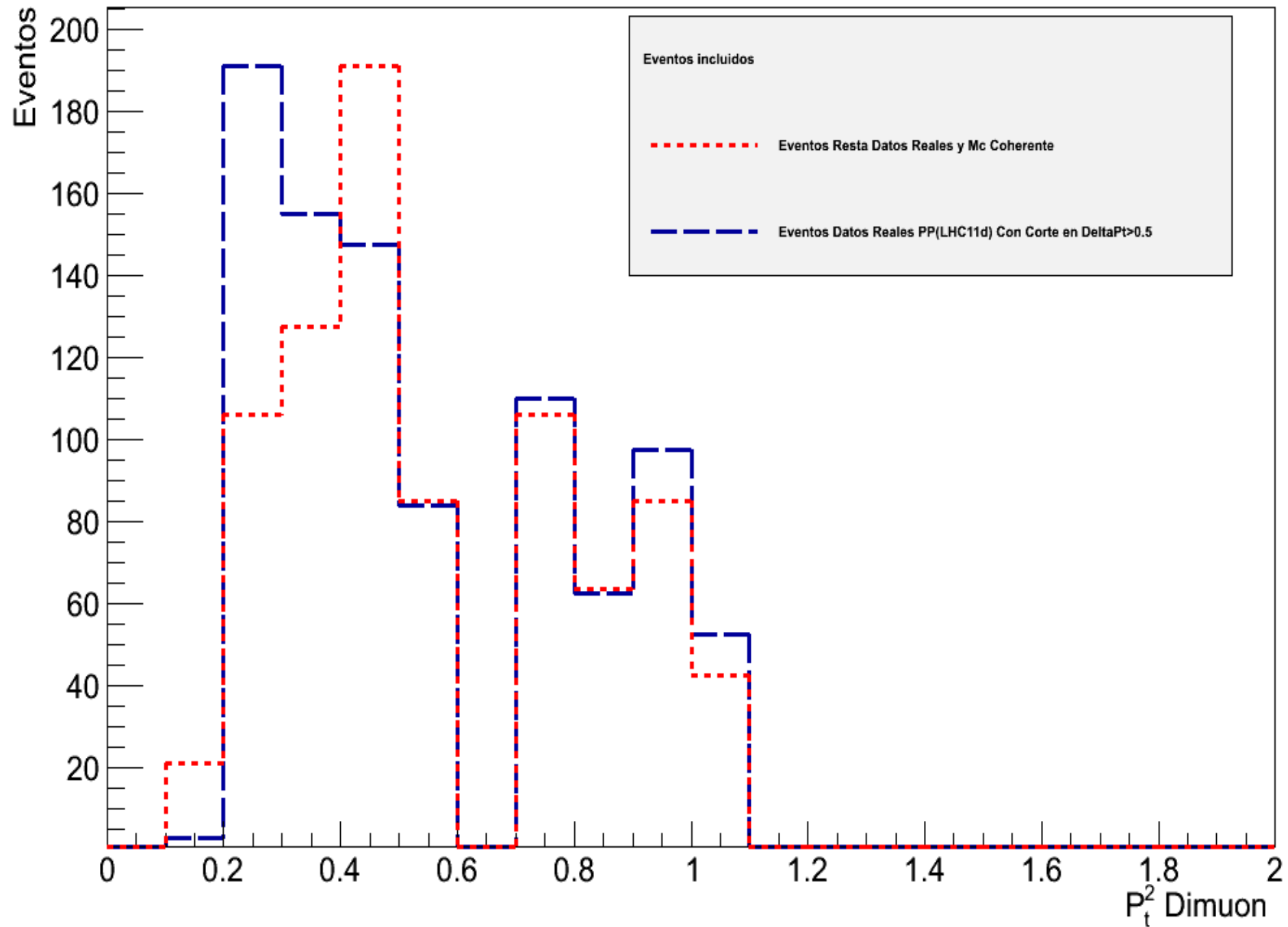
Espectro de Masa



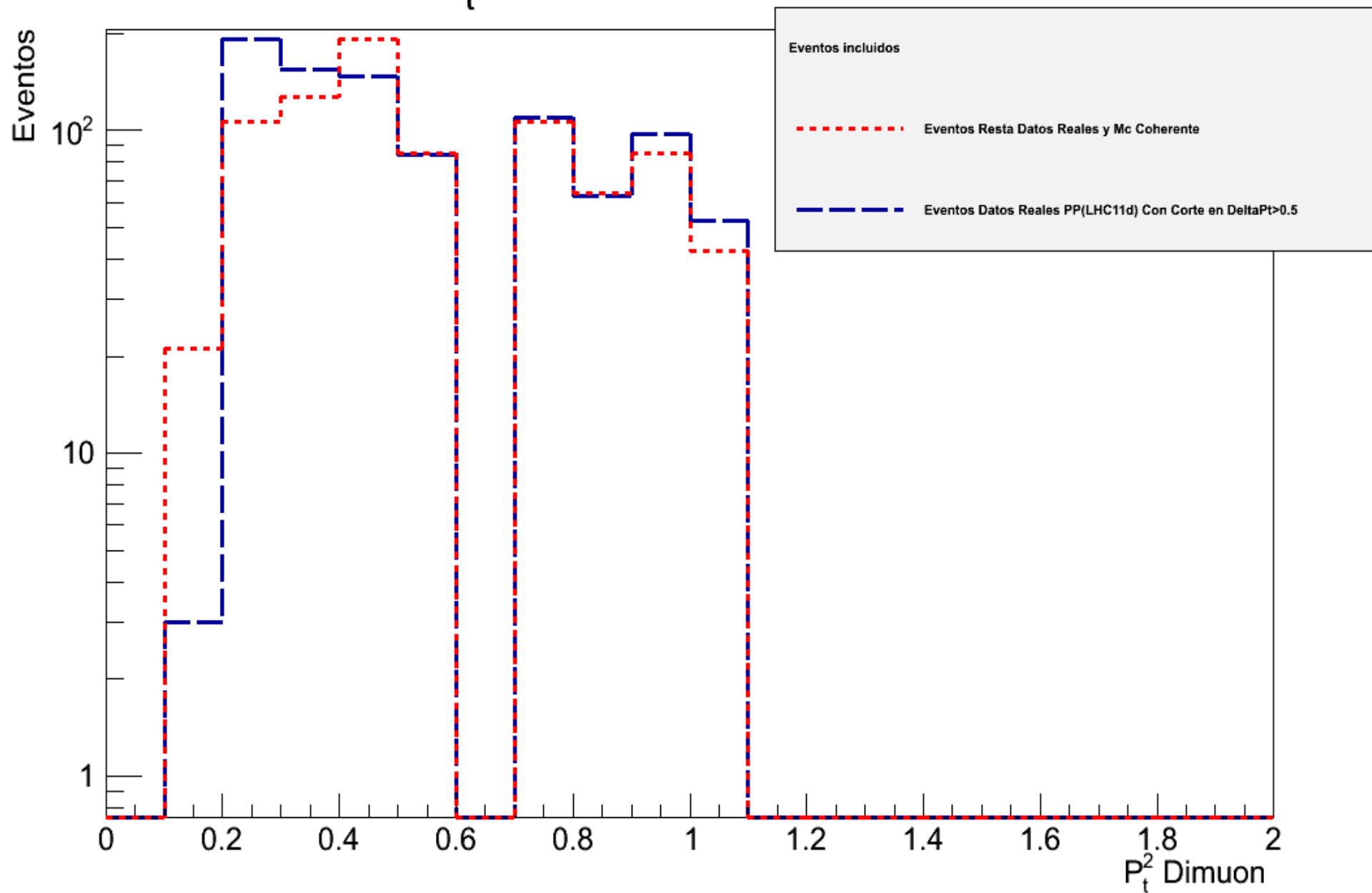
Posible relación con eventos Incoherentes.

- Se realizó un corte en $\Delta Pt > 0.40$
- Bajo este corte se encuentra una relación con eventos posiblemente incoherentes, los cuales se comparan con la resta directa entre Datos reales y Mc Coherente.

P_t^2 Dimuon Datos P-P



P_t^2 Dimuon Datos P-P



Resumen.

- Se presentaron los plots de Pt cuadrado, y según su evolución por cortes.
- Plots de Pt y su evolución según cortes.
- Se analizó la forma de las distribuciones DeltaPhi y DeltaPt.
- Se mostró la evolución de los Cortes DeltaPhi y DeltaPt según cortes.