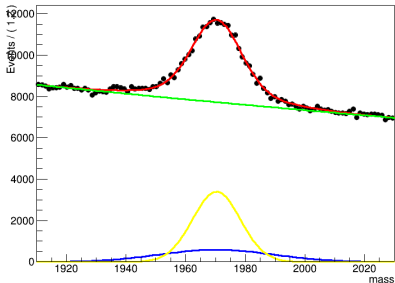


D_s correction

Fit $D_s \rightarrow \phi(\mu\mu)\pi$ in data.

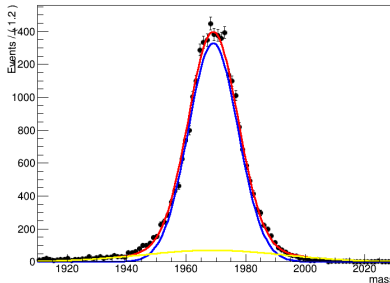
A RooPlot of "mass"



• mean = $1970.3 \pm 0.9 \text{ MeV}$

Fit $D_s \rightarrow \phi(\mu\mu)\pi$ in MC.

A RooPlot of "mass"



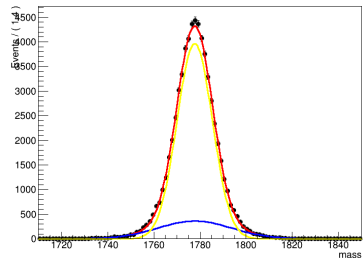
• mean = $1969.1 \pm 0.60 \text{ MeV}$

D_s correction

- $mean_{\tau \rightarrow 3\mu} = \frac{1970.3}{1969.1} \times 1777.7 = 1778.8 \text{ MeV}$

Fit $\tau \rightarrow \mu\mu\mu$ in MC.

A RooPlot of "mass"

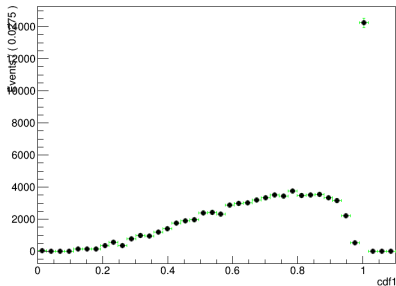


- $mean = 1777.7 \pm 0.4 \text{ MeV}$

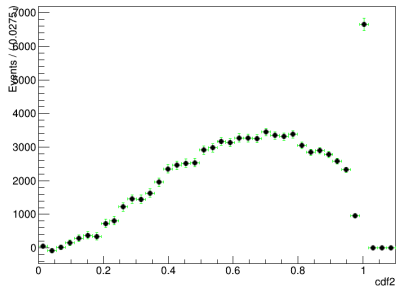
Splot

I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.

cdf1

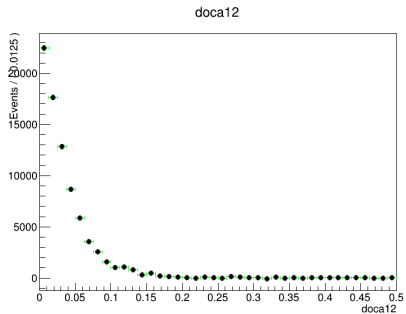
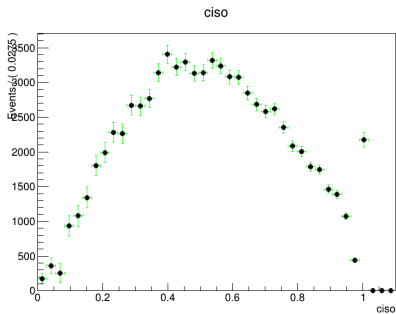


cdf2



Splot

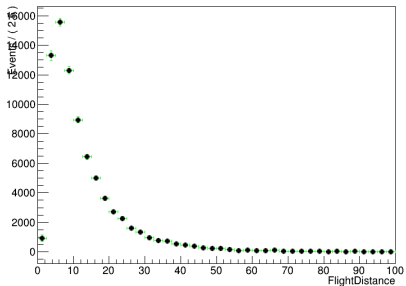
I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.



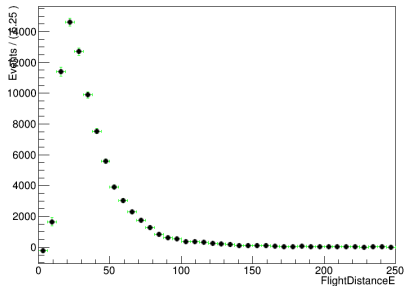
Splot

I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.

FD



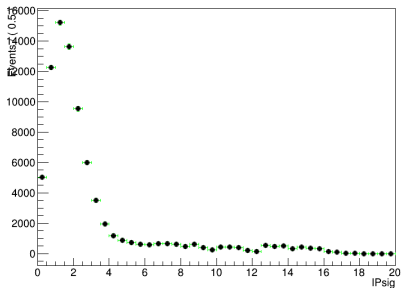
FDE



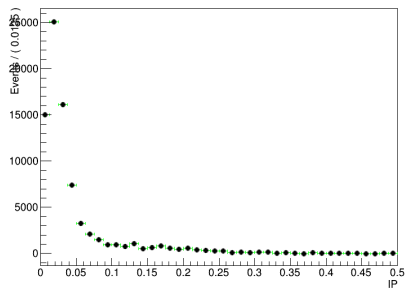
Splot

I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.

IPsig

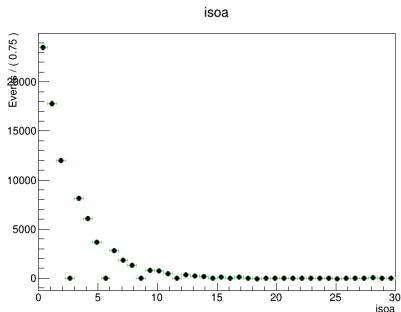
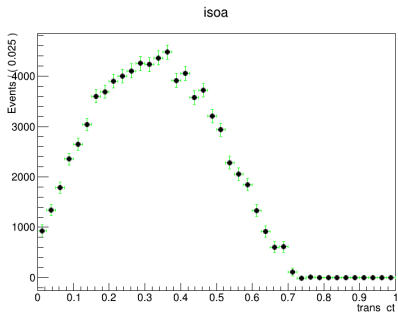


IPv



Splot

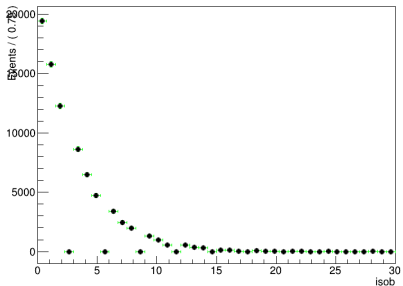
I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.



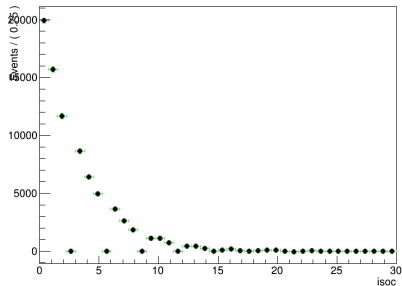
Splot

I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.

isob



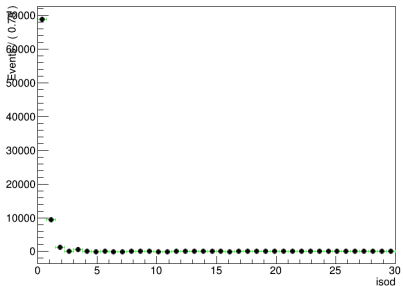
isoc



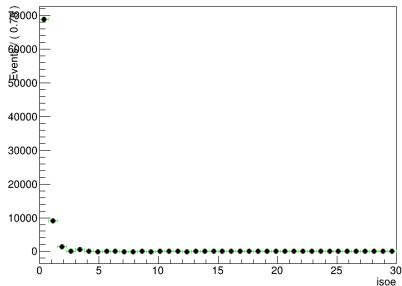
Splot

I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.

isod

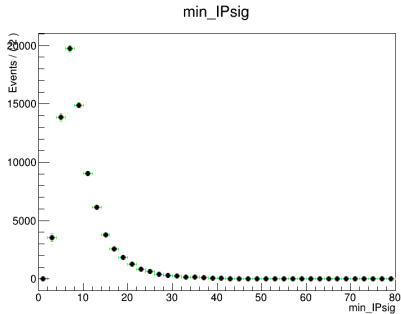
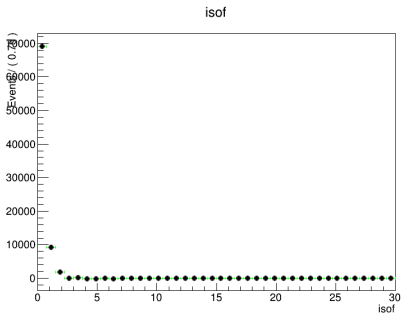


isoe



Splot

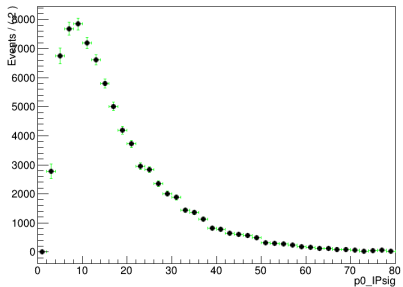
I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.



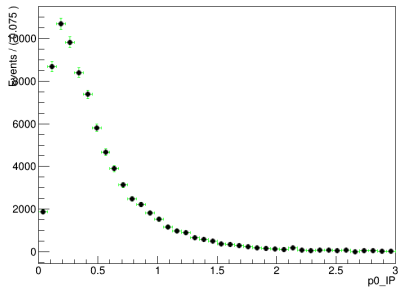
Splot

I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.

p0_IPsig



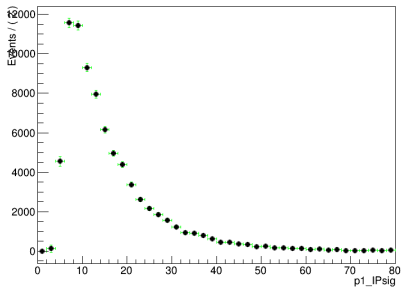
p0_IPv



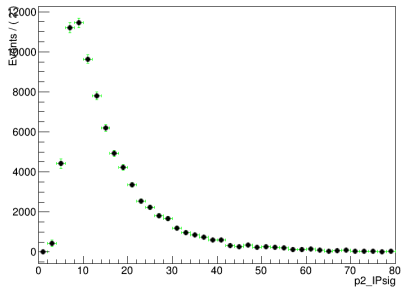
Splot

I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.

p1_IPsig

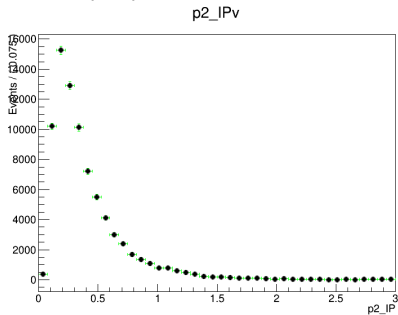
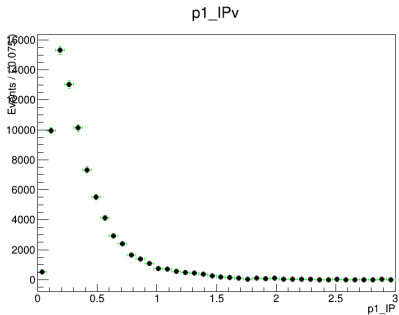


p2_IPsig



Splot

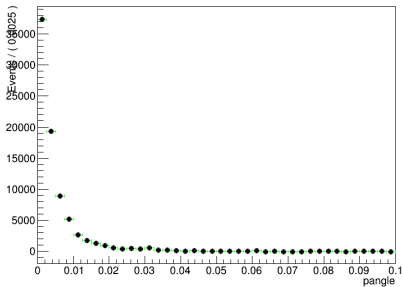
I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.



Splot

I did Splot for our control channel: $D_s \rightarrow \phi(\mu\mu)\pi$.

pangle



vtxchi2

