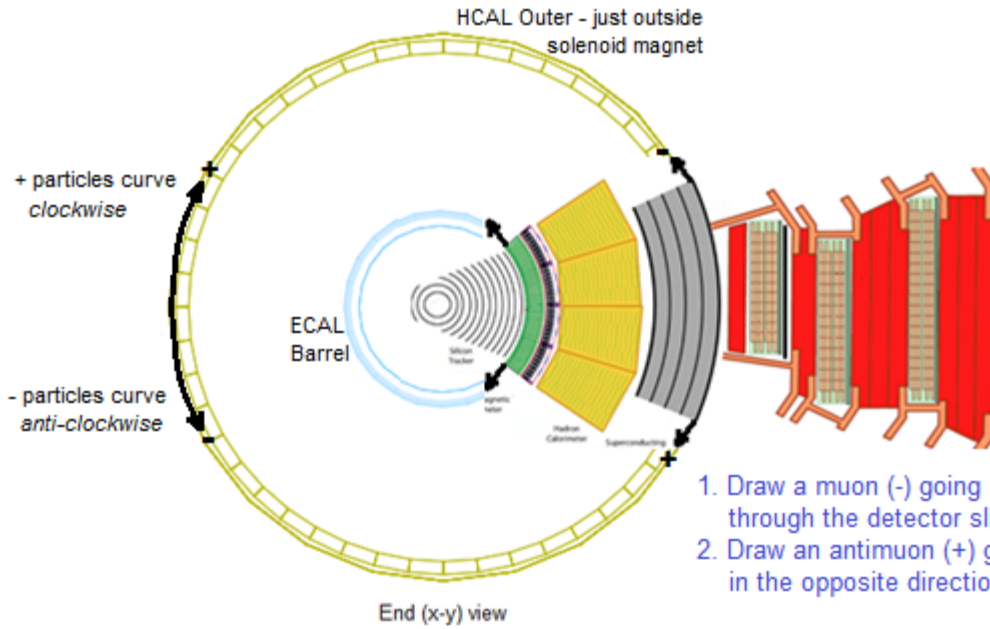
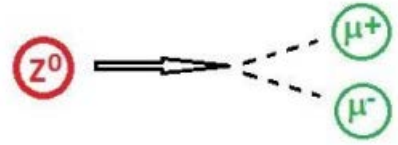
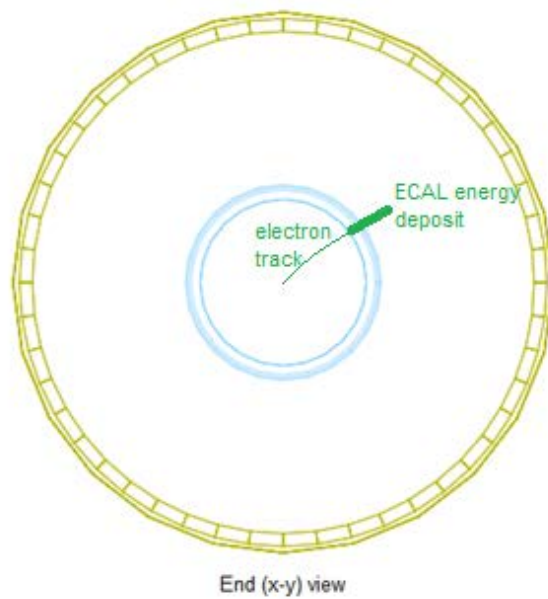
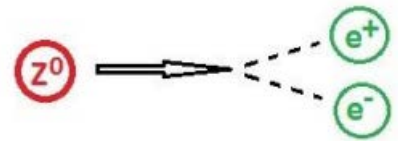


Sketch the tracks in CMS.

$$(Z^0) \rightarrow \mu^+ \mu^-$$



$$(Z^0) \rightarrow e^+ e^-$$



- Muon
- Electron
- - - - Missing Et

An electron (-) track is already drawn. Add the positron (+) track and energy deposit



Sketch the tracks in CMS.

$(W^-) \rightarrow e^- \nu$

End (x-y) view

— Muon  
— Electron  
- - - Missing Et

A Missing Et track, indicating a possible neutrino, is already drawn. Add the electron.

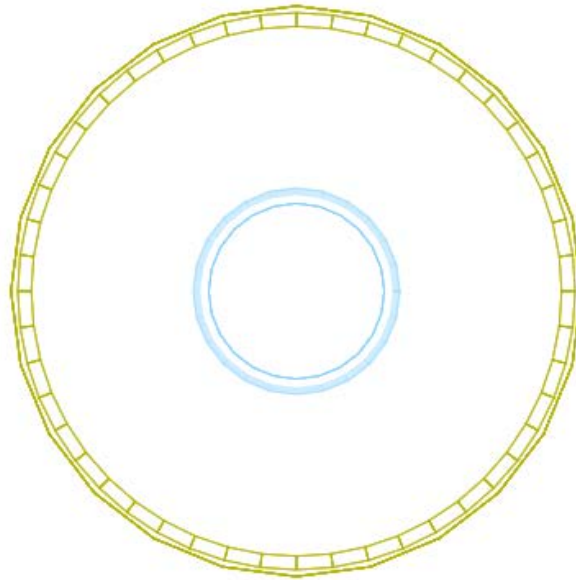
$(W^+) \rightarrow e^+ \nu$

End (x-y) view

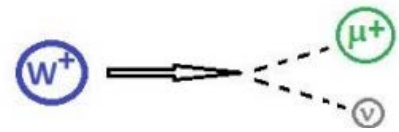
— Muon  
— Electron  
- - - Missing Et

Sketch the tracks in CMS.

$$(W^+) \rightarrow \mu^+ \nu$$

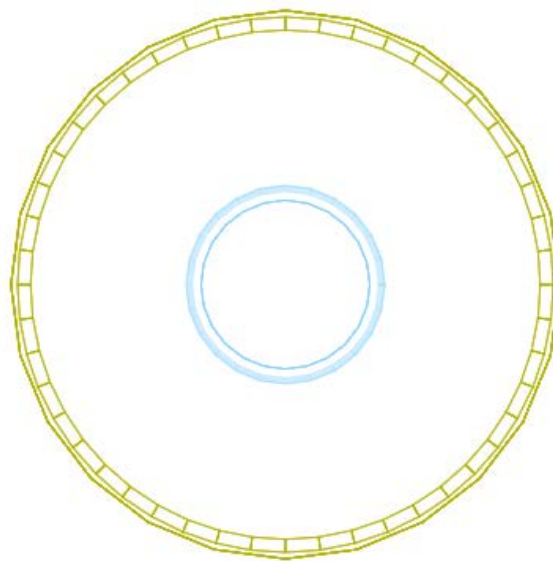


End (x-y) view



- Muon
- Electron
- - - Missing Et

$$(W^-) \rightarrow \mu^- \nu$$



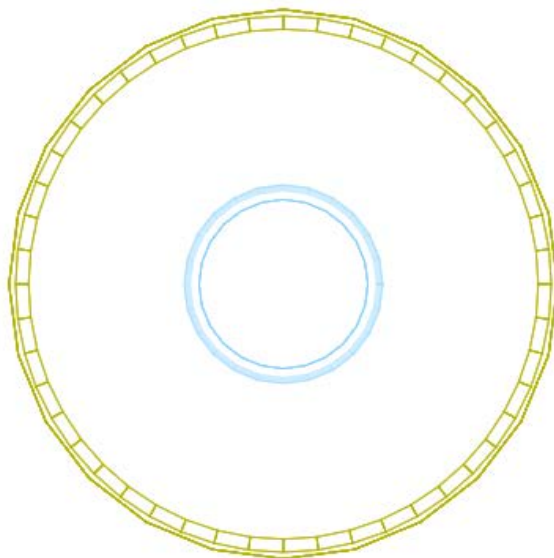
End (x-y) view



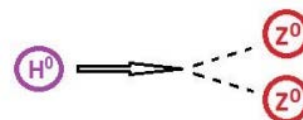
- Muon
- Electron
- - - Missing Et

Sketch the tracks in CMS.

$(H^0) \rightarrow (Z^0 Z^0) \rightarrow 4 \text{ leptons}$

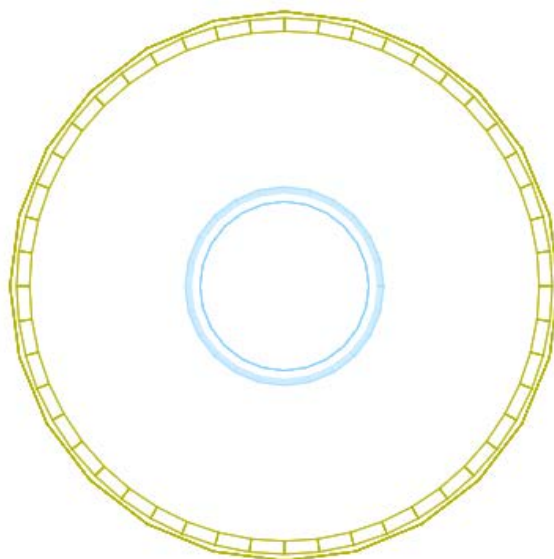


End (x-y) view

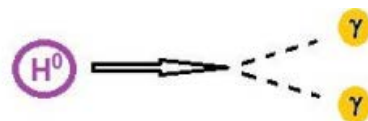


- Muon
- Electron
- - - Missing Et

$(H^0) \rightarrow \gamma\gamma$



End (x-y) view



- Muon
- Electron
- - - Missing Et