

Non-prompt control plots

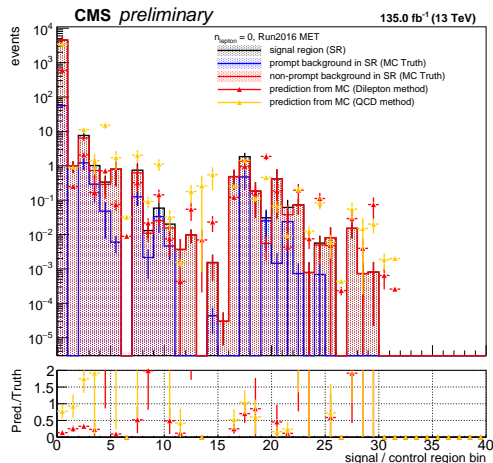
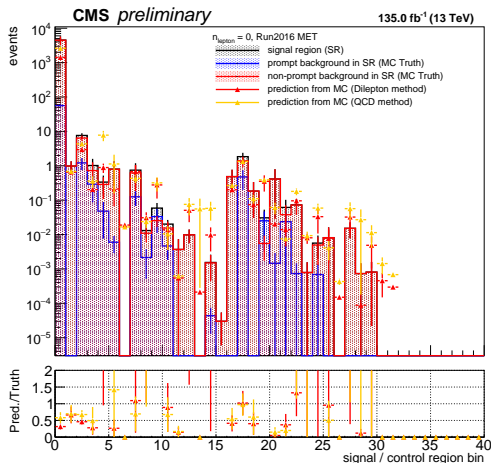
Viktor Kutzner

Weekly SUSY meeting

February 11 2019

Control plot

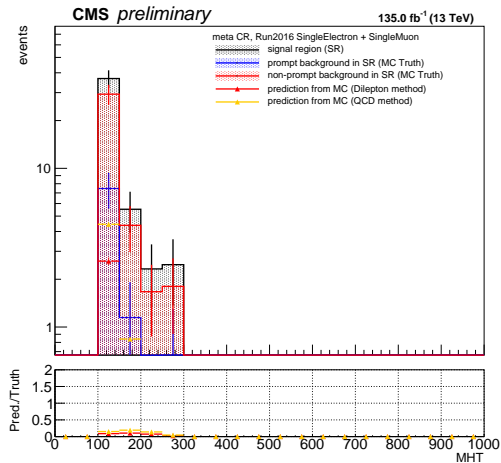
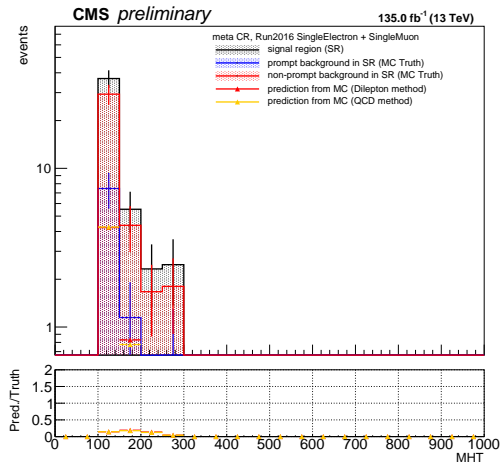
zero-lepton region:



- left: with 2D fake rate maps, right: fake rate only dependent on pile-up
- plot with fake rate map indicates good closure

Control plot

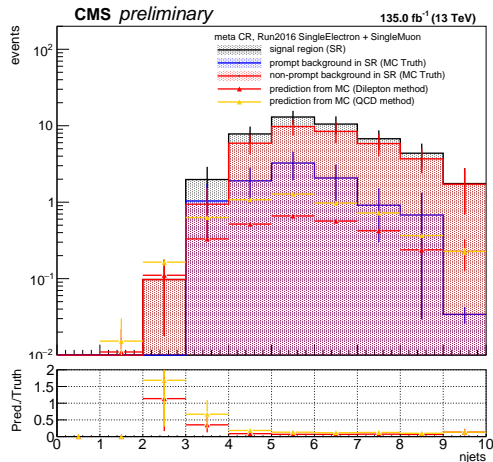
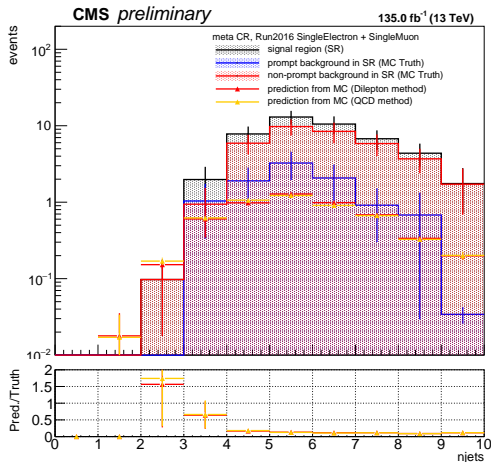
meta control region: region with well-reconstructed lepton, no DT, >0 b jets, $100 < \text{MHT} < 300$ GeV



- left: with 2D fake rate maps, right: fake rate only dependent on pile-up

Control plot

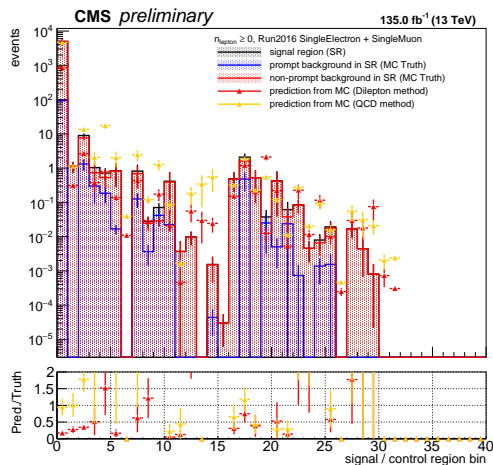
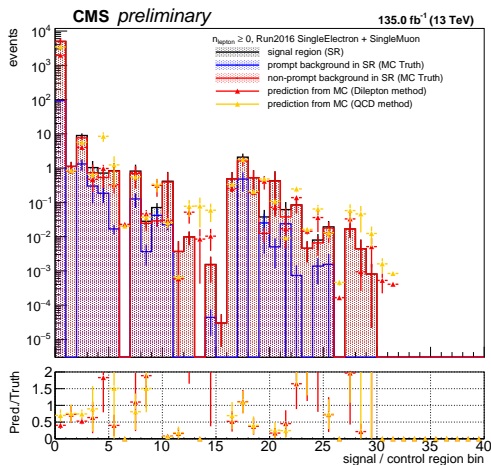
meta control region: region with well-reconstructed lepton, no DT, >0 b jets, $100 < \text{MHT} < 300$ GeV



- left: with 2D fake rate maps, right: fake rate only dependent on pile-up

Control plot

inclusive lepton region:



- left: with 2D fake rate maps, right: fake rate only dependent on pile-up