

# Idea for low mass TPC for EIC

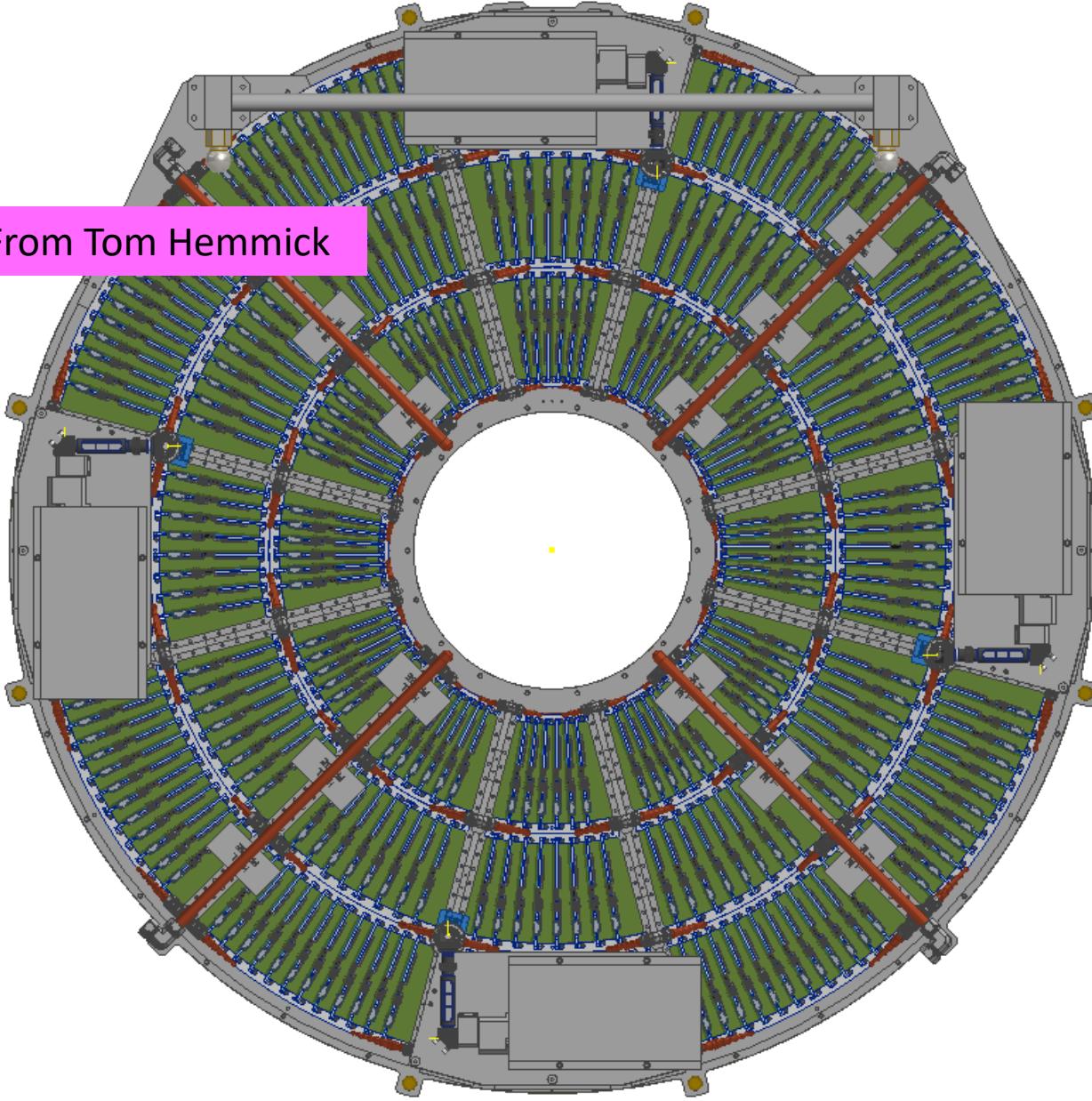
Kondo Gnanvo



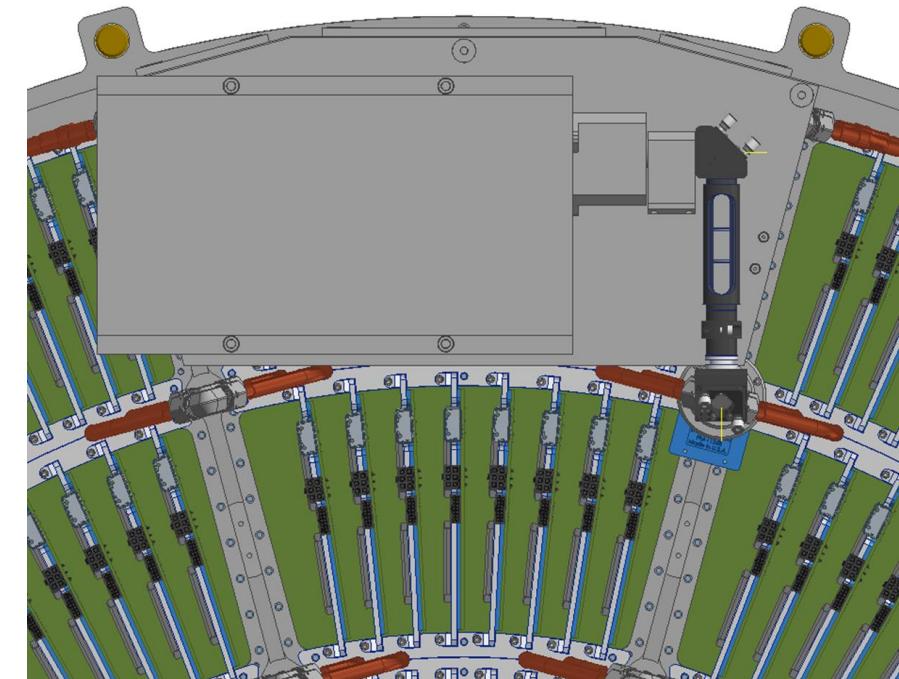
End Cap

Drift Cathode (membrane)

# TPC End Cap

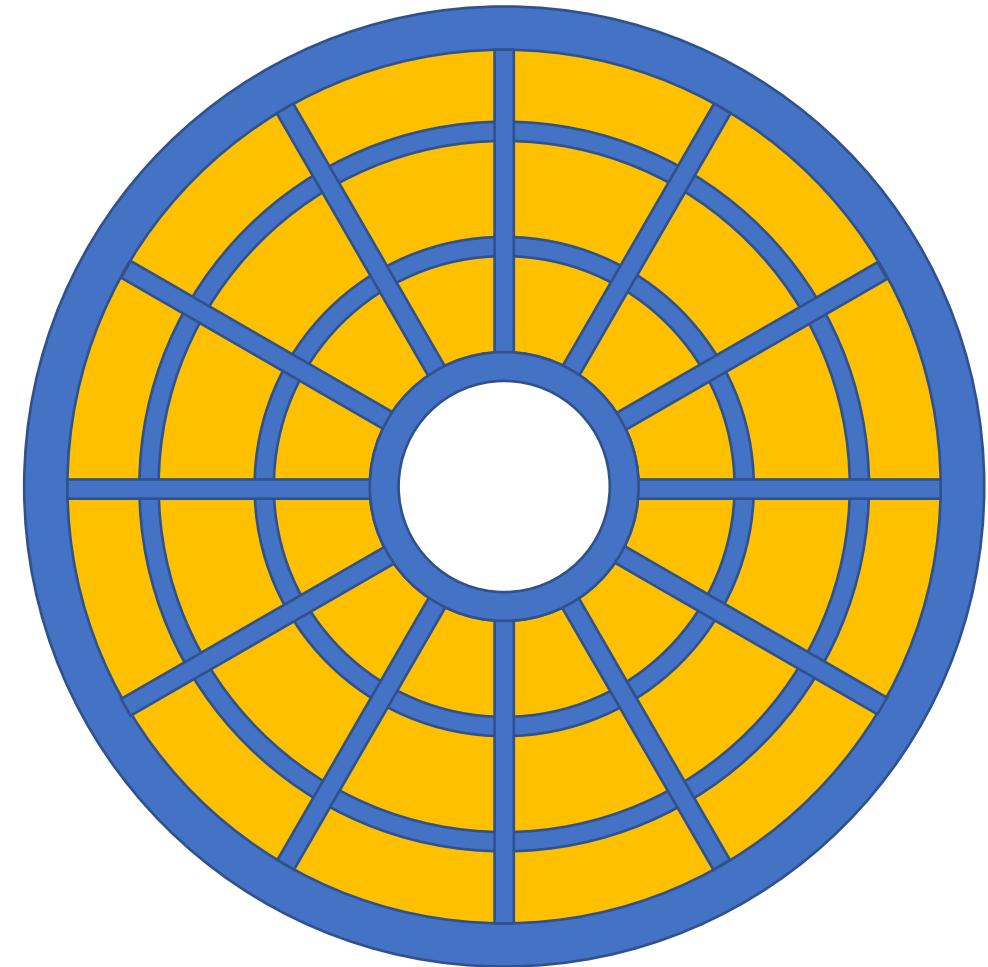


NOTE: Everywhere you see green, you're looking at low mass.



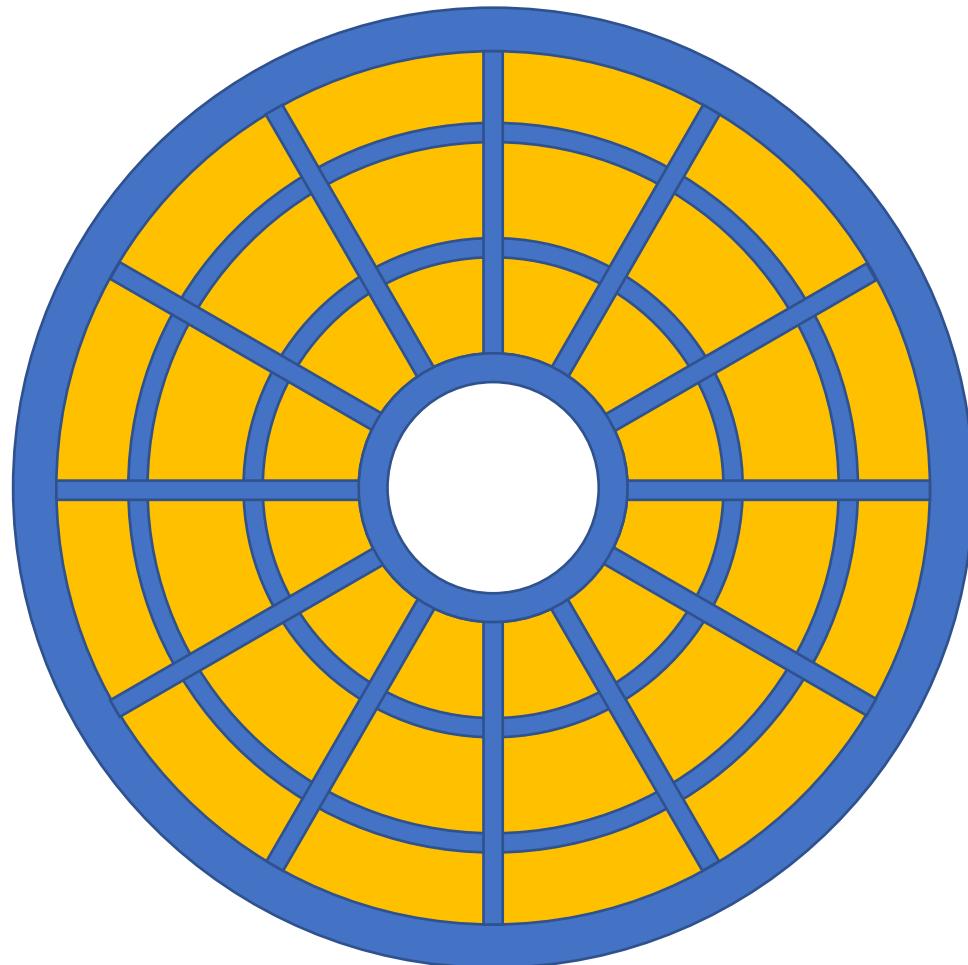
- INTT and MVTX will like this
- All the parts of laser system moved away from beam pipe.
- Elegant

# Current sPHENIX TPC Wagon Wheel with 36 GEM readout modules

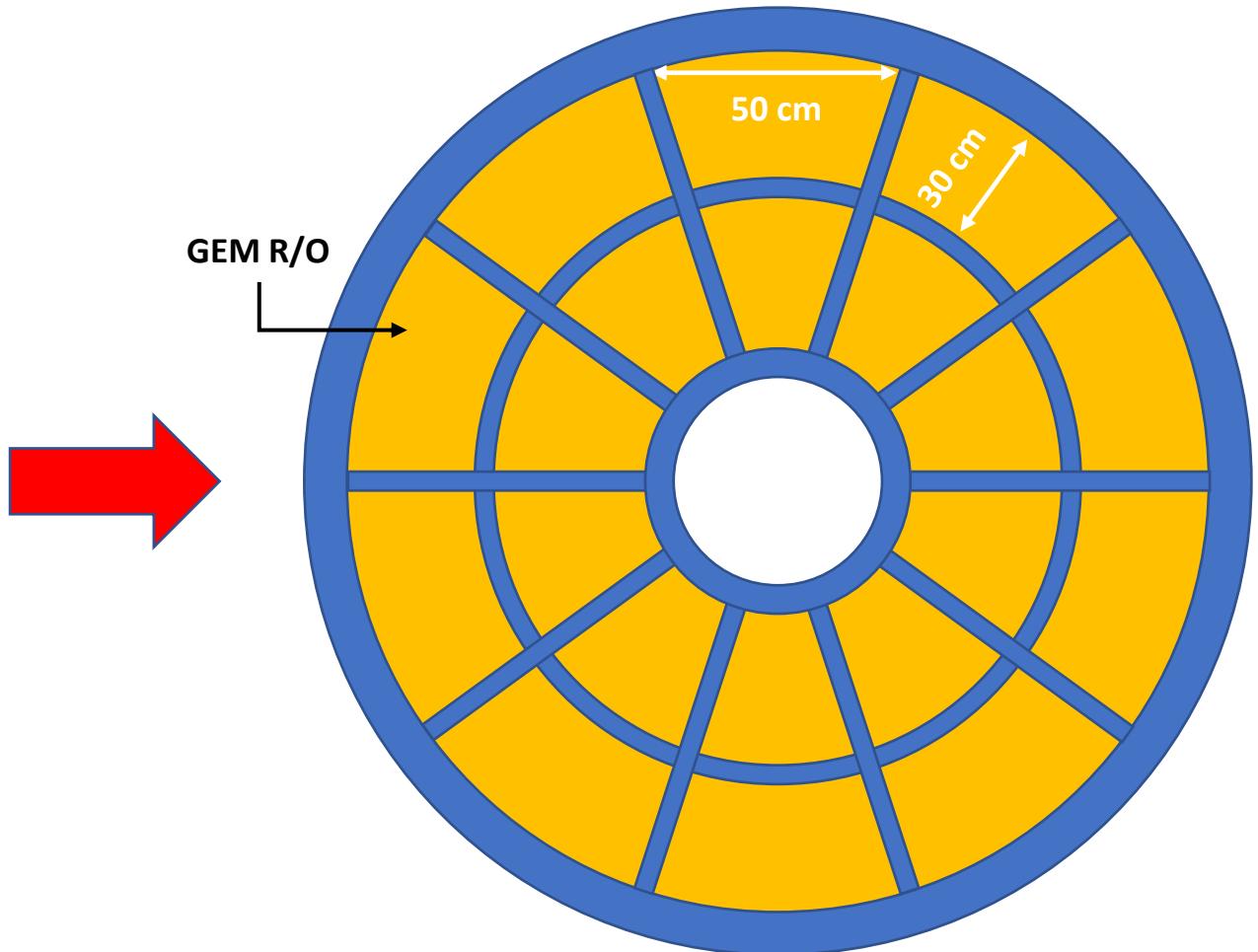


# Reducing the material for ePHENIX TPC Wagon Wheel with 20 GEM readout modules

sPHENIX TPC Wagon Wheel  
with 36 small GEM readout modules

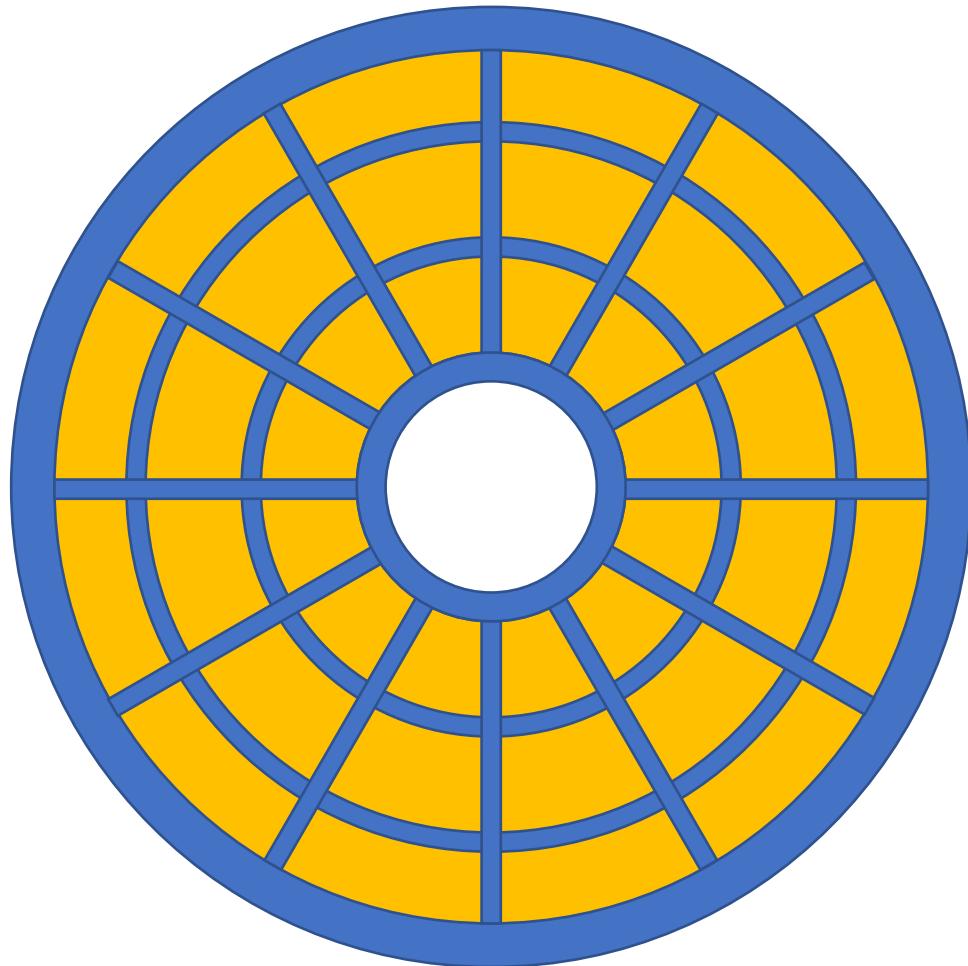


EIC TPC Wagon Wheel  
with 20 larger GEM readout modules



# Going one step further with 10 GEM readout modules

sPHENIX TPC Wagon Wheel  
with 36 small GEM readout modules



EIC TPC Wagon Wheel  
with 10 larger GEM readout modules

