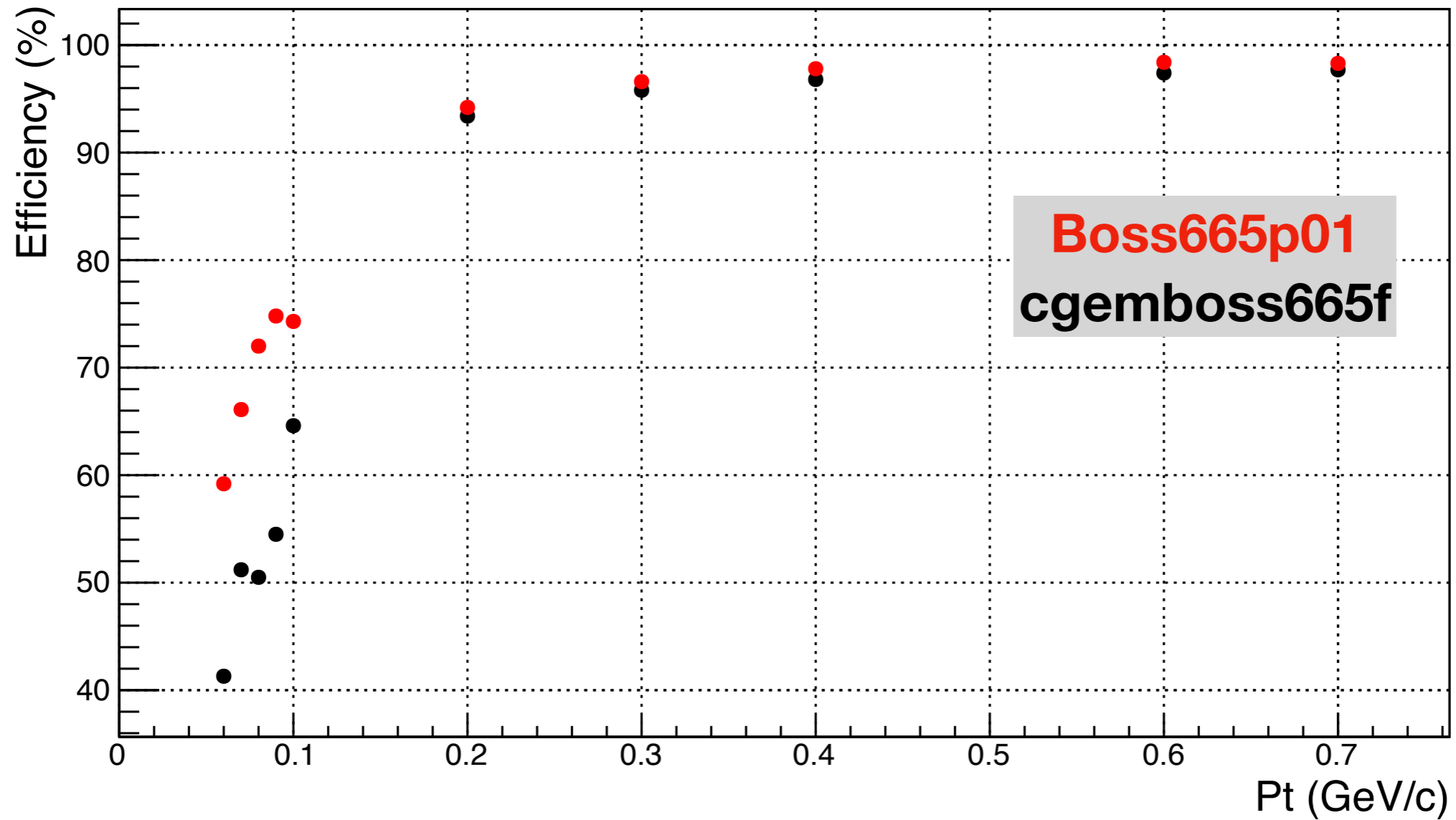


# Test of global hough V15

- 20000 pions
- fixpt generator
- pt=[0.06, 0.07, 0.08, 0.09, 0.1, 0.2, 0.3, 0.4, 0.6, 0.7] GeV
- HoughTransAlg-00-00-15
  
- comparison w.r.t. Boss665p01
- same cuts applied:

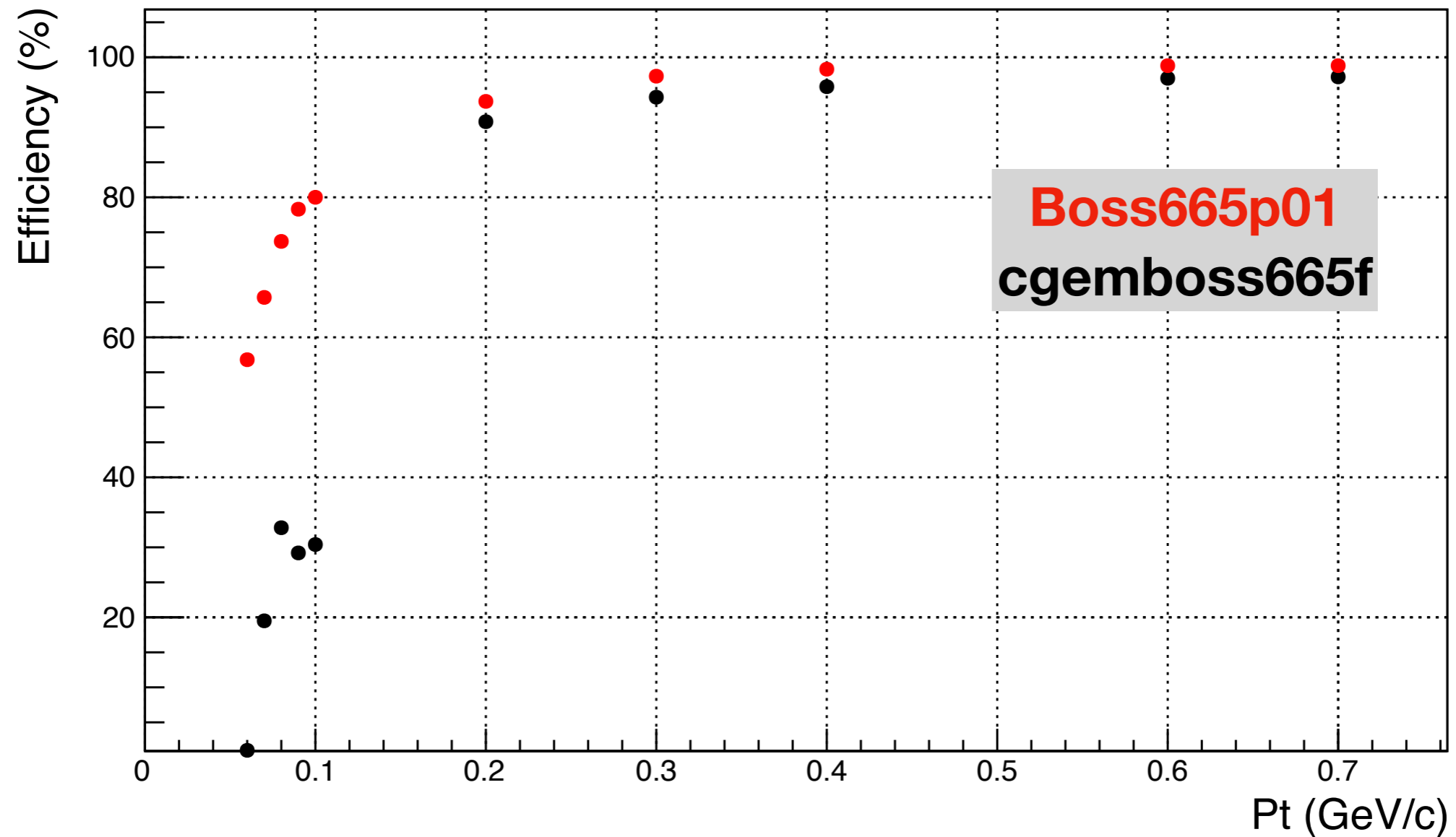
```
if(!(*itTrk)->isMdcTrackValid()) continue;  
if(fabs(Rvz0) >= 10.0) continue;  
if(fabs(Rvxy0) >= 1.0) continue;
```

# Efficiency comparison: hough V15 vs Boss665p01



$$\text{eff} = \frac{\# \text{evt (1 trk)}}{\# \text{evt gen}}$$

# Efficiency comparison: after Kalman



```
RecMdcKalTrack* mdcKalTrk = (*itTrk)->mdcKalTrack();  
RecMdcKalTrack::setPidType (RecMdcKalTrack::pion);  
if(!(*itTrk)->isMdcKalTrackValid()) continue;  
if((mdcKalTrk)->getStat(0, 2)!=0) continue;
```

$$\text{eff} = \frac{\text{\#evt (1 KalTrk)}}{\text{\#evt gen}}$$