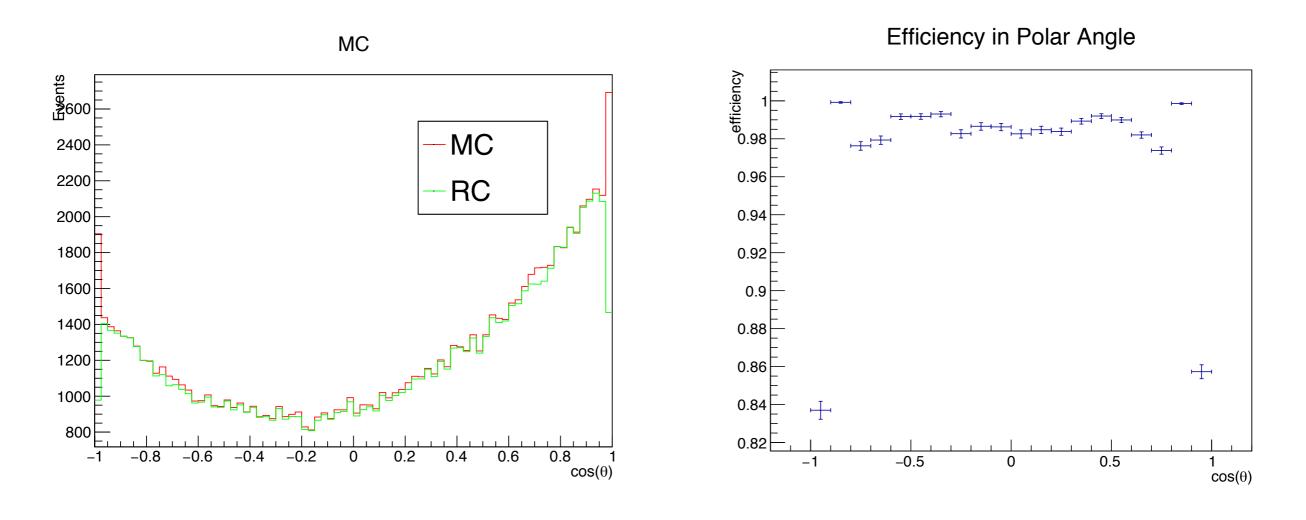
Forward-Backward Asymmetry in e+e->µ+µ- at Z Pole

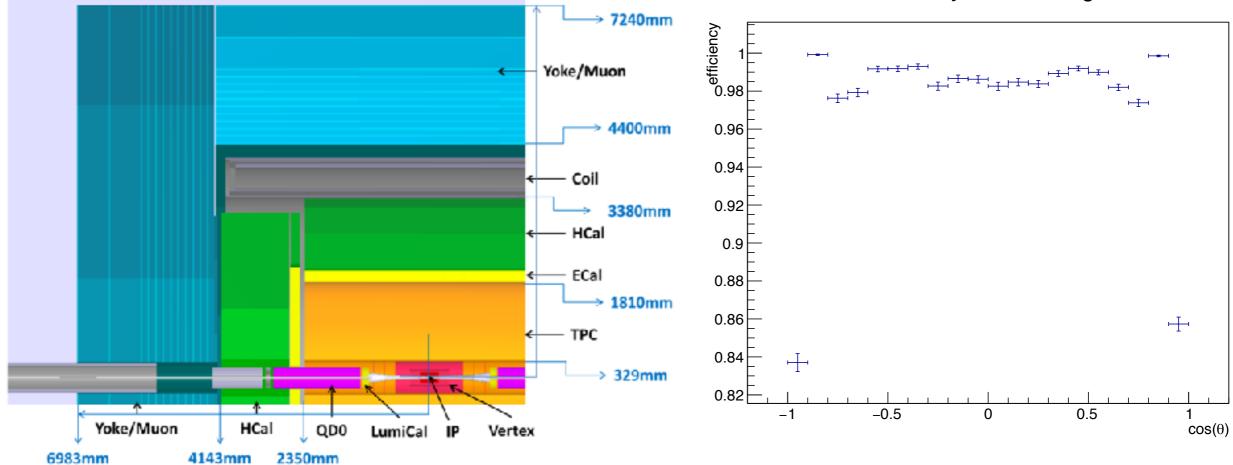
Li Mengran 5th June 2017

Find the reason for the bug in error of efficiency. It is due to misuse of TGraphAsymmErrors::BayesDivide().



Use Monte Carlo events as total events to calculate efficiency $\eta=RC/MC$

Efficiency in Polar Angle



Low efficiency at double sides is due to coverage,

Error is bigger at double sides.

 $Cos\theta$ of ECal inner side is 0.792;

That of HCal outer side is 0.775.