

Work progress

Xianyou wang

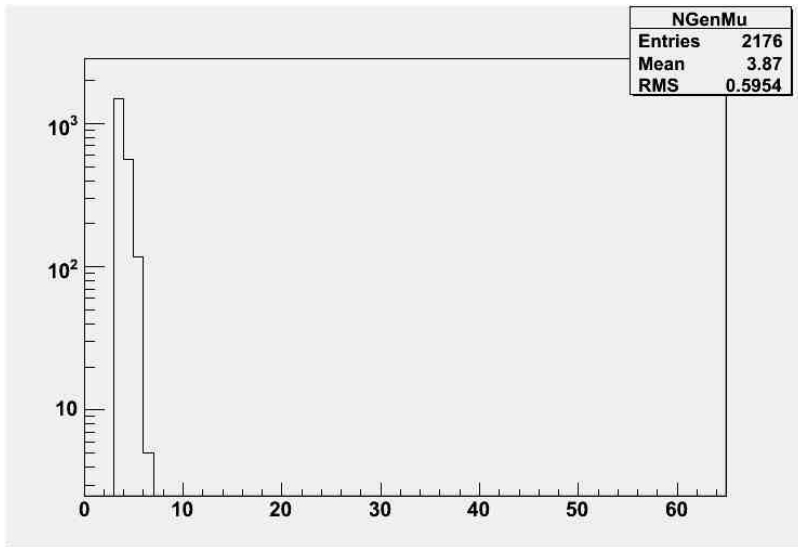
CMS-IHEP/Beijing weekly meeting



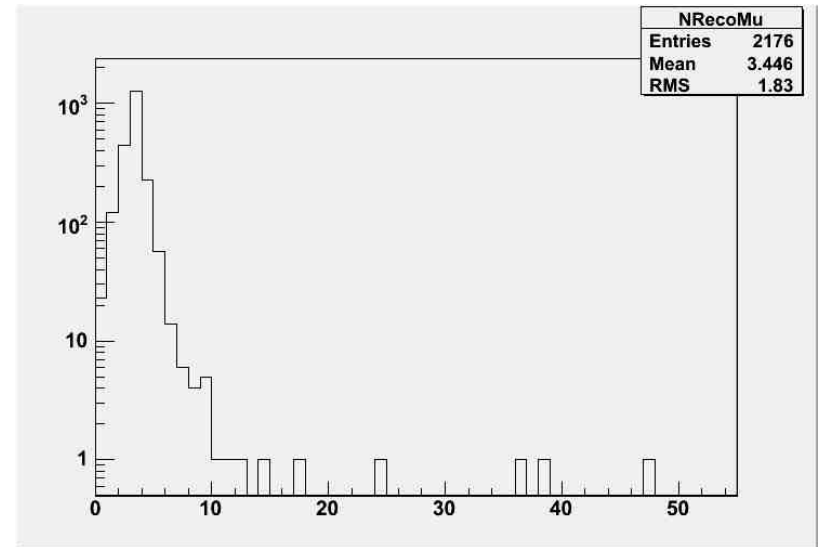
Outline

- 1. Signal Analysis**
- 2. The Background of the Source**
- 3. Plan for Next Step**

1.Signal Analysis

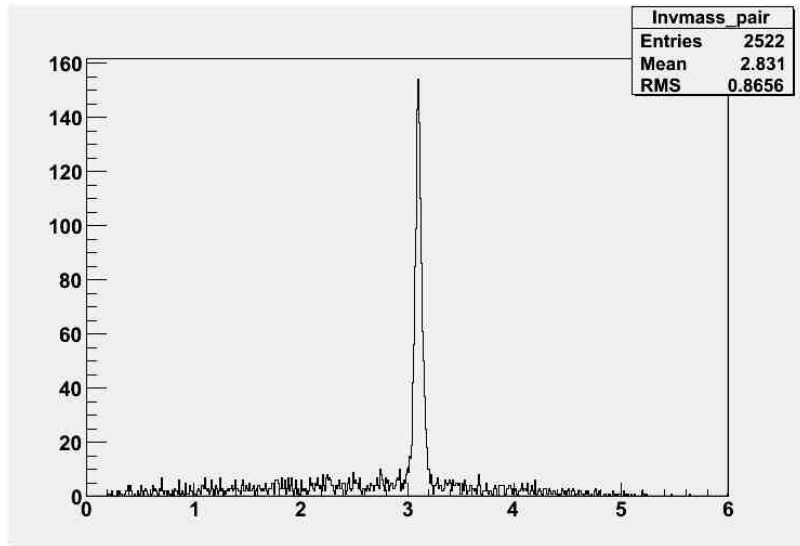


末态muon数分布（产生子结果）

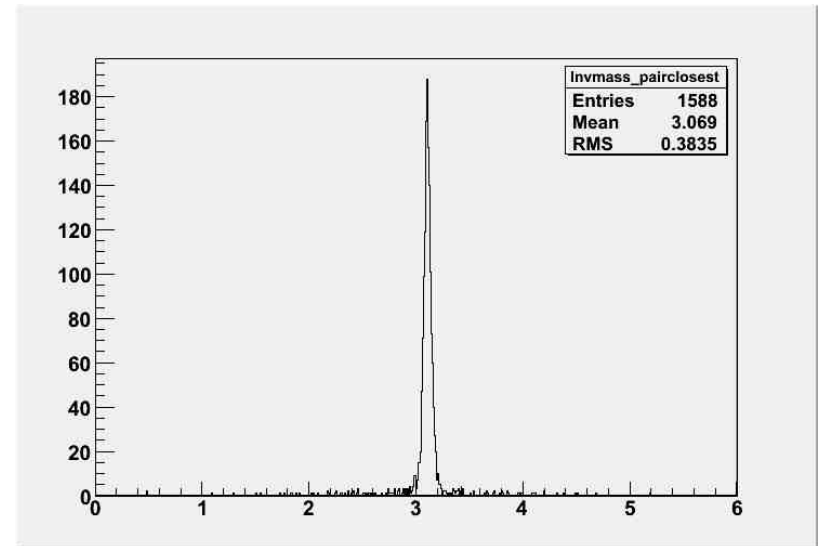


Reco muon distribution

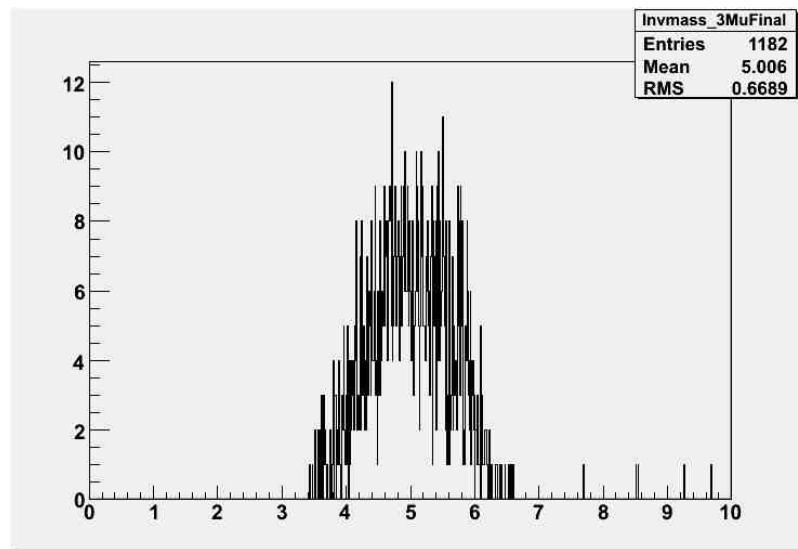
Cut1: NMoun=3



任意两个不同电荷的mu子对的不变质量 $M_{\mu^+\mu^-}$

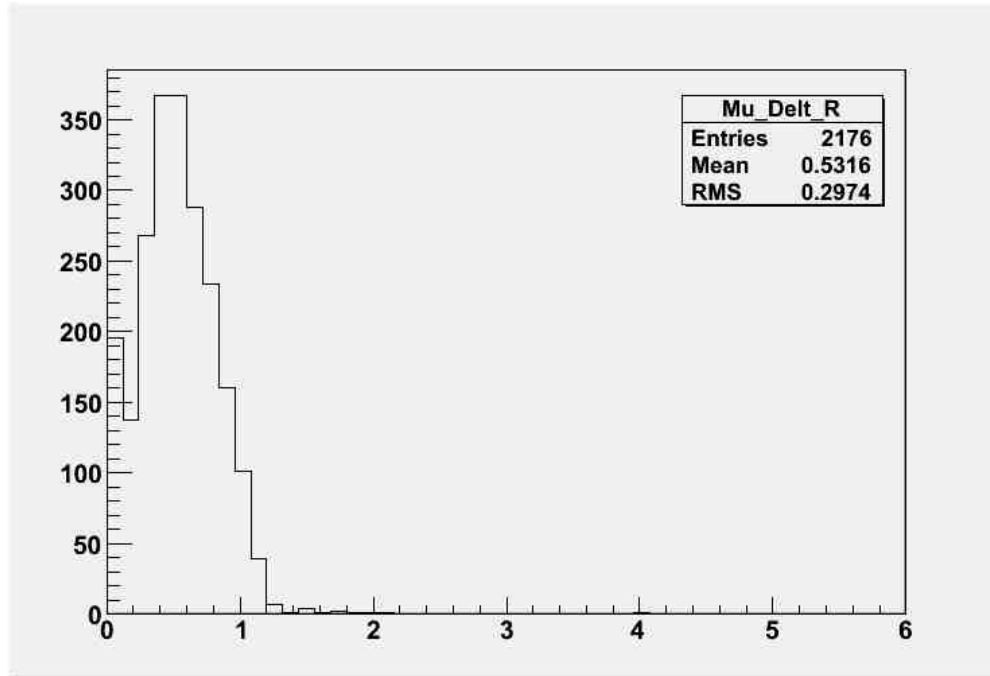


离Jpsi质量最近的两个不同电荷的mu子对的不变质量 $M_{\mu^+\mu^-}$

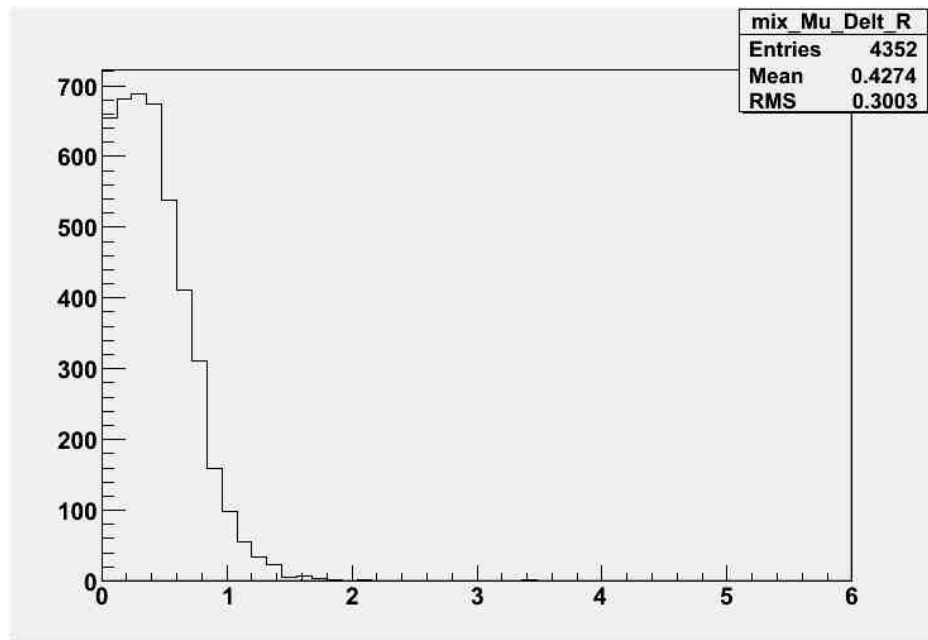


三mu子的不变质量

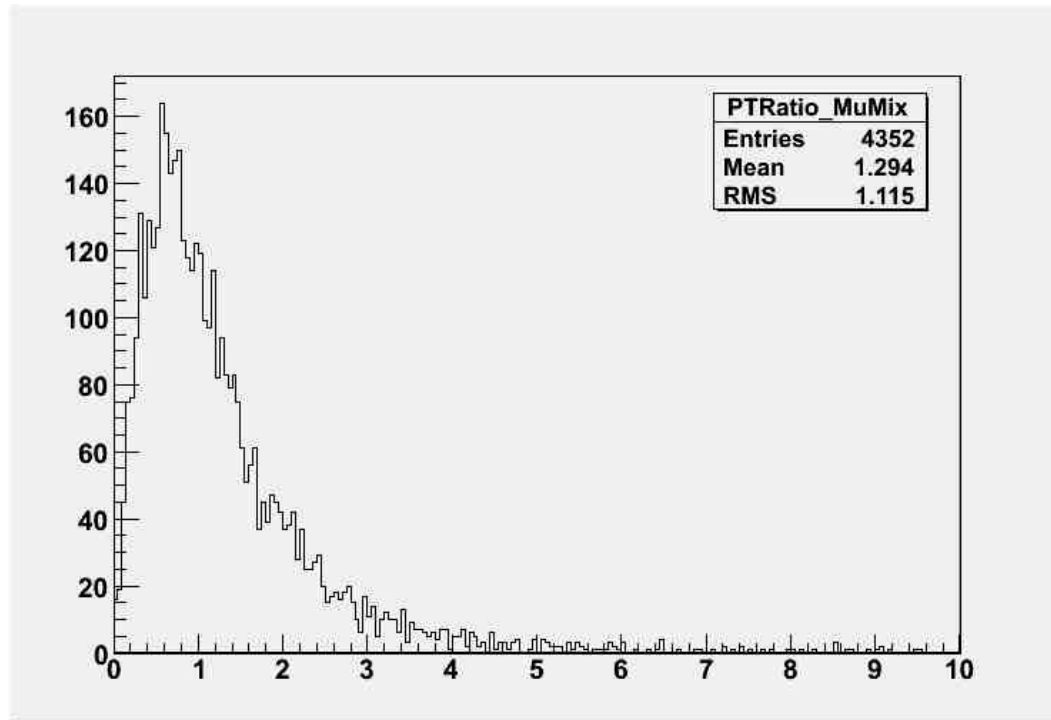
Cut $2.8 < M_{\mu^+ \mu^-} < 3.4$



Muon From Jpsi ΔR



ΔR between muon from B_c and J/ψ



The Ratio of PT between muon from Bc and Jpsi

Plan for Next Step

- 寻找次级顶点通过计算初级和次级顶点的距离计算**Bc**寿命并且排除本底。
- 结合已有本底样本数据进行初步分析。

Background

/QCD_BCtoMu_Pt30to50/Summer08_IDEAL_V9_v1/GEN-SIM-RECO

Created 16 Oct 2008 14:37:45 GMT, contains 6564297 events, 1306 files, 14 block(s), 2.3TB, located at 1 site ([show](#), [hide](#)), LFNs: [cff](#), [py](#), [plain](#), /L=N/A
[Release info](#), [Block info](#), [Run info](#), [Conf. files](#), [Parents](#), [Children](#), [Description](#), [PhEDEx](#), [Create ADS](#), [ADS](#), [crab.cfg](#)

/QCD_BCtoMu_Pt30to50/Summer08_IDEAL_V9_v1/GEN-SIM-RAW

Created 16 Oct 2008 14:37:45 GMT, contains 11542568 events, 6878 files, 70 block(s), 13.5TB, located at 1 site ([show](#), [hide](#)), LFNs: [cff](#), [py](#), [plain](#), /L=N/A
[Release info](#), [Block info](#), [Run info](#), [Conf. files](#), [Parents](#), [Children](#), [Description](#), [PhEDEx](#), [Create ADS](#), [ADS](#), [crab.cfg](#)

/QCD_BCtoMu_Pt30to50/Summer08_IDEAL_V9_AODSIM_v1/AODSIM

Created 12 Nov 2008 08:24:17 GMT, contains 6859925 events, 683 files, 2 block(s), 679.3GB, located at 1 site ([show](#), [hide](#)), LFNs: [cff](#), [py](#), [plain](#), /L=N/A
[Release info](#), [Block info](#), [Run info](#), [Conf. files](#), [Parents](#), [Children](#), [Description](#), [PhEDEx](#), [Create ADS](#), [ADS](#), [crab.cfg](#)

/InclusiveBBmu_Pt20/Summer08_IDEAL_V9_AODSIM_v1/AODSIM

Created 12 Nov 2008 08:25:38 GMT, contains 6068921 events, 535 files, 2 block(s), 582.3GB, located at 1 site ([show](#), [hide](#)), LFNs: [cff](#), [py](#), [plain](#), /L=N/A
[Release info](#), [Block info](#), [Run info](#), [Conf. files](#), [Parents](#), [Children](#), [Description](#), [PhEDEx](#), [Create ADS](#), [ADS](#), [crab.cfg](#)

/InclusiveBBmu_Pt20/Summer08_IDEAL_V9_v1/GEN-SIM-RAW

Created 16 Oct 2008 14:44:37 GMT, contains 5797989 events, 3536 files, 37 block(s), 6.5TB, located at 1 site ([show](#), [hide](#)), LFNs: [cff](#), [py](#), [plain](#), /L=N/A
[Release info](#), [Block info](#), [Run info](#), [Conf. files](#), [Parents](#), [Children](#), [Description](#), [PhEDEx](#), [Create ADS](#), [ADS](#), [crab.cfg](#)

/InclusiveBBmu_Pt20/Summer08_IDEAL_V9_v1/GEN-SIM-RECO

Created 16 Oct 2008 14:44:37 GMT, contains 5778195 events, 1141 files, 12 block(s), 1.9TB, located at 1 site ([show](#), [hide](#)), LFNs: [cff](#), [py](#), [plain](#), /L=N/A
[Release info](#), [Block info](#), [Run info](#), [Conf. files](#), [Parents](#), [Children](#), [Description](#), [PhEDEx](#), [Create ADS](#), [ADS](#), [crab.cfg](#)

/InclusivePPmuX/Summer08_IDEAL_V9_v4/GEN-SIM-RECO

Created 17 Nov 2008 15:38:14 GMT, contains 4398901 events, 1105 files, 27 block(s), 1.2TB, located at 1 site ([show](#), [hide](#)), LFNs: [cff](#), [py](#), [plain](#), /L=N/A
[Release info](#), [Block info](#), [Run info](#), [Conf. files](#), [Parents](#), [Children](#), [Description](#), [PhEDEx](#), [Create ADS](#), [ADS](#), [crab.cfg](#)

/InclusivePPmuX/Summer08_IDEAL_V9_v2/GEN-SIM-RECO

Created 31 Oct 2008 10:55:47 GMT, contains 4973612 events, 1242 files, 33 block(s), 1.4TB, located at 3 sites ([show](#), [hide](#)), LFNs: [cff](#), [py](#), [plain](#), /L=N/A
[Release info](#), [Block info](#), [Run info](#), [Conf. files](#), [Parents](#), [Children](#), [Description](#), [PhEDEx](#), [Create ADS](#), [ADS](#), [crab.cfg](#)

/InclusivePPmuX/Summer08_IDEAL_V9_v1/GEN-SIM-RAW

Created 24 Sep 2008 18:35:59 GMT, contains 5126260 events, 4930 files, 113 block(s), 4.9TB, located at 4 sites ([show](#), [hide](#)), LFNs: [cff](#), [py](#), [plain](#), /L=N/A
[Release info](#), [Block info](#), [Run info](#), [Conf. files](#), [Parents](#), [Children](#), [Description](#), [PhEDEx](#), [Create ADS](#), [ADS](#), [crab.cfg](#)

The end
Thank you