Status Report

- Code Refactoring -

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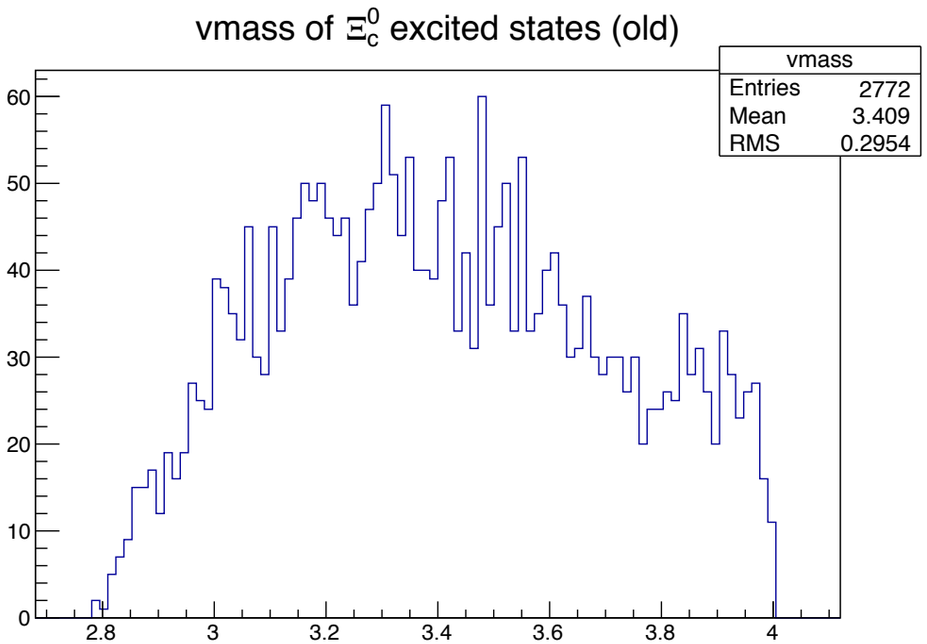
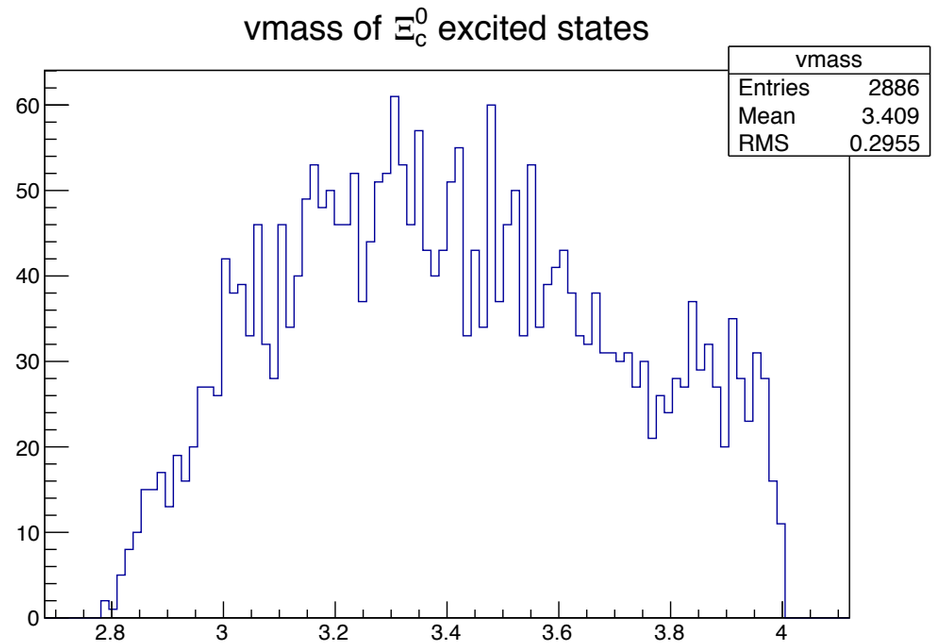
Introduction

- $\Xi_c^{excited}$ --> Ξ_c^{ground} + π's
  - Ξ_c^{ground} --> Ξ baryon, Ω baryon

- **Angular** information in $\Xi_c^{excited}$ --> Ξ_c^{ground} + π's

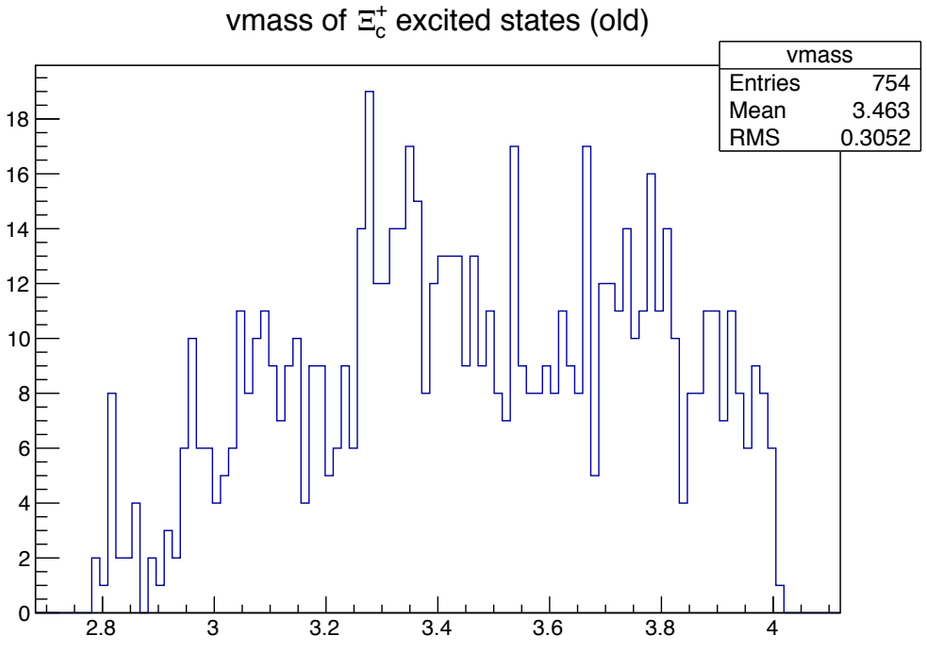
Code Refactoring

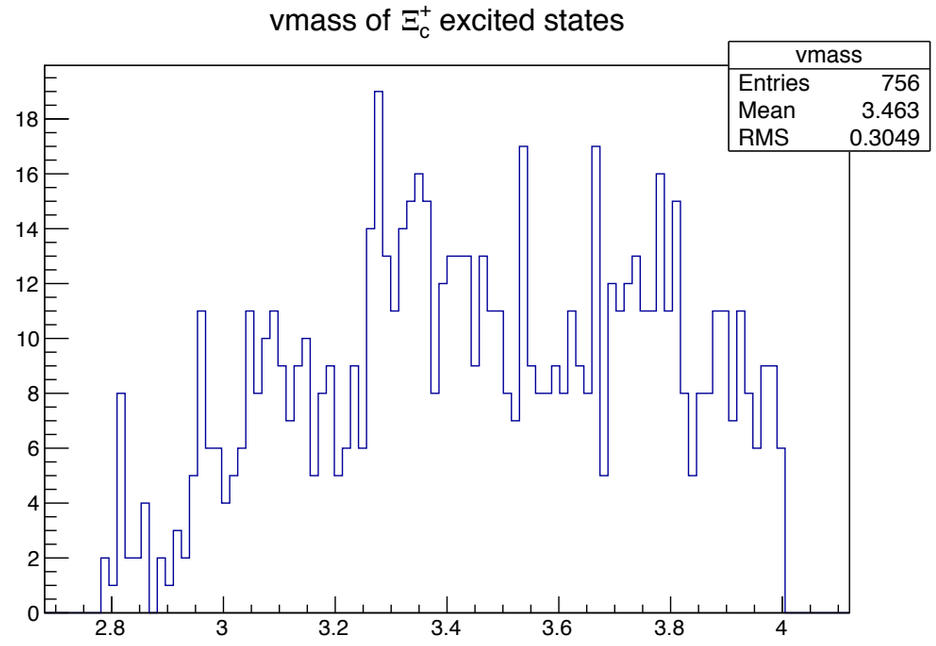




< Histogram for Ξ_c^0 excited state >

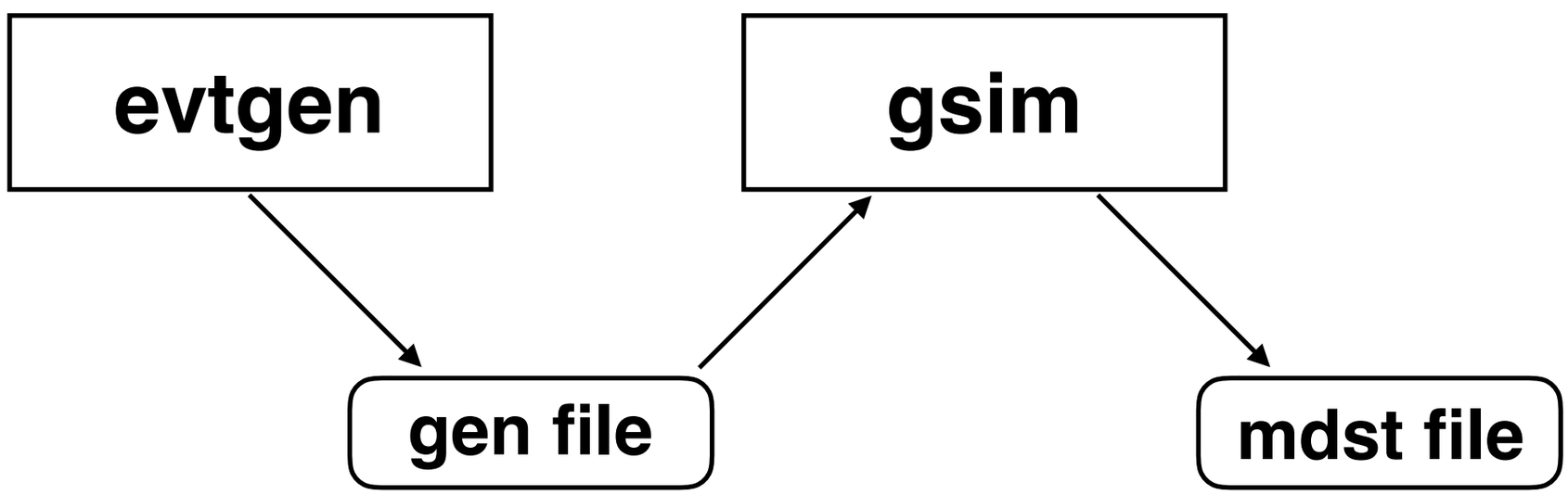
EXP11 only





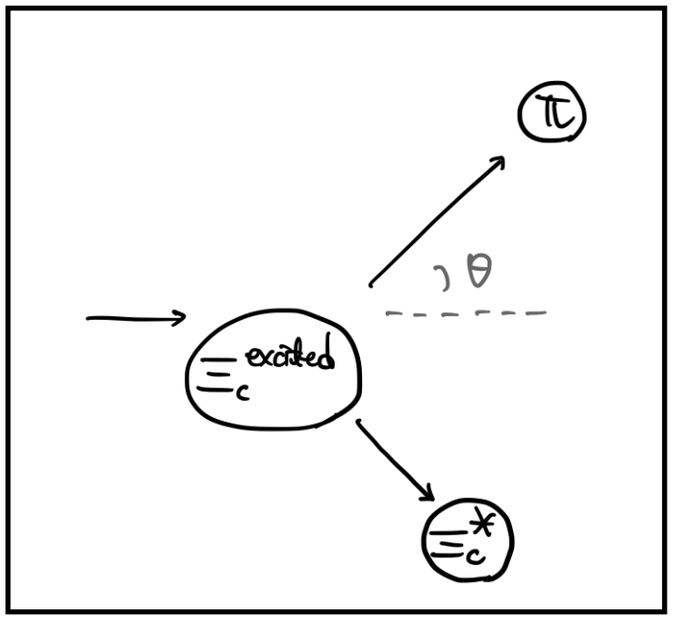
< Histogram for Ξ_c^+ excited state >

evtgen & gsim



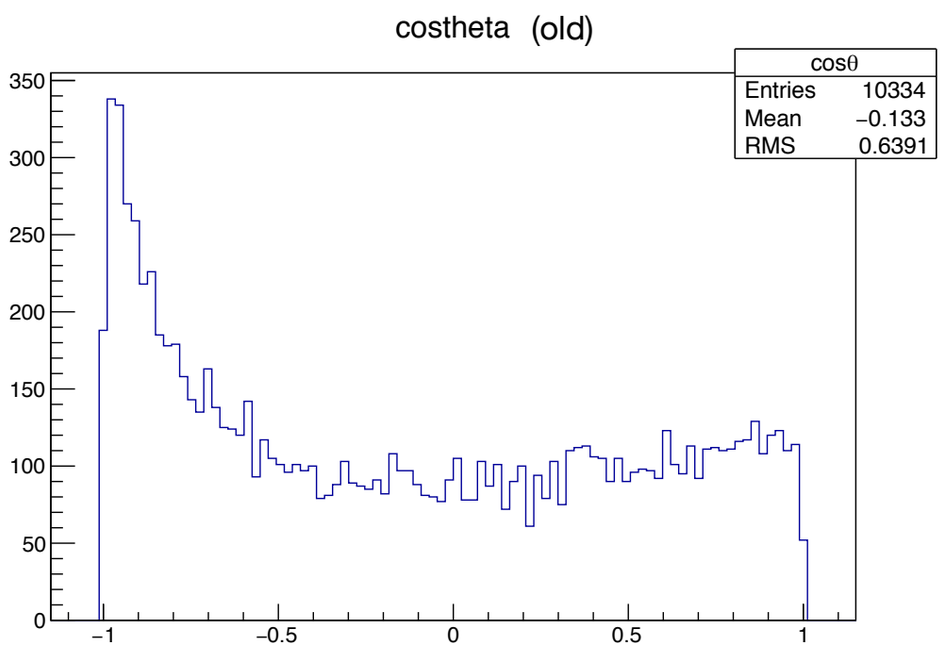
- evtgen : 사고 실험.
- gsim : 디텍터에 의한 효과 고려. 입자의 miss identification 및 id 실패도 포함.

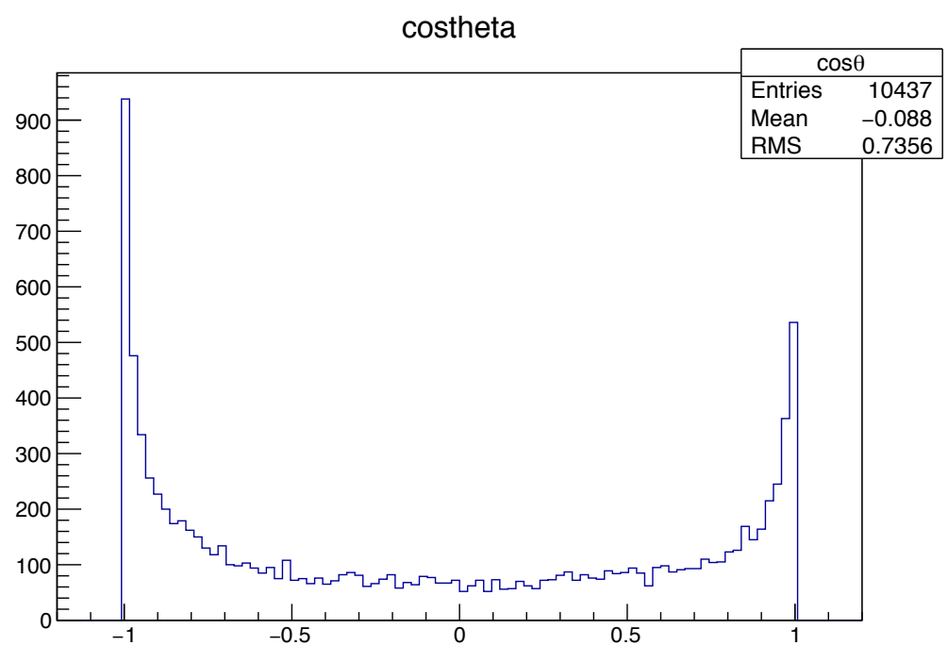
Cos Distritubion



- "Boost" problem is solved

< Definition of θ >





< Histogram for cosθ in Ξ_c^+ excited state >

To Do

- Efficiency for angle θ.
- Efficiency = (Yield from mdst file) / (Yield from gen file)
- cos θ에 대해 efficiency를 구한 후 보정에 사용.