

Simulation Study of Gamma-Jet with VTX

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Simulation Study of Gamma-Jet event

- Shawn started working on jet reconstruction with VTX but it is currently not studied.
- I'll takeover from him.

Current Status

- Done : Generate gamma-jet events with **PYTHIA**.
 - MSEL = 10 : prompt photon production.
 - CKIN(3) = 3 GeV : momentum cut in parton hard collision.
- Not Yet : Create hit data with **PISA** and its reconstruction.
- Almost Done : Jet reconstruction with simple cone algorithm.
- Not Yet : Study various correlations.
- Not Yet : Mix gamma-jet event into AuAu HIJING event.