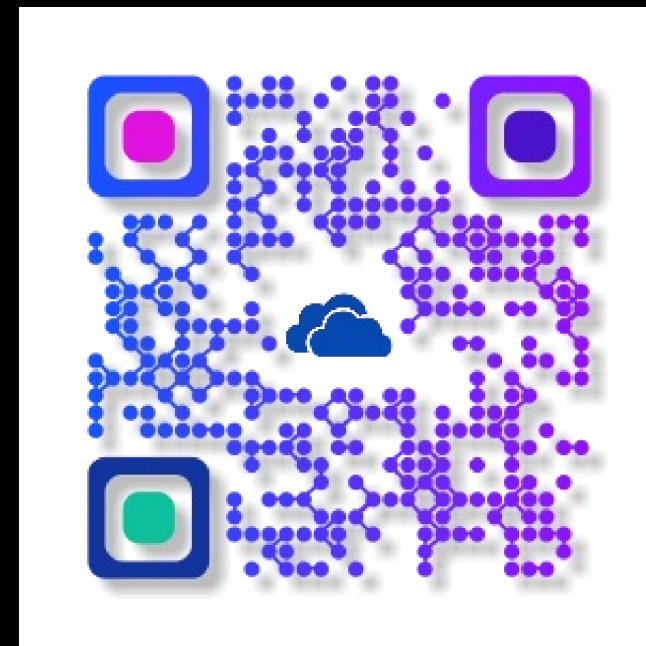
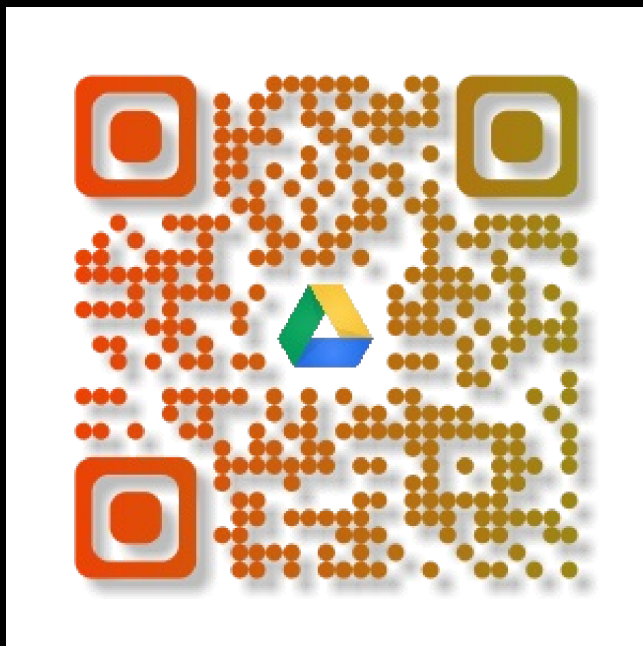


Self-introduction @SpinFest 2016

Minghui Zhao

ISU BNL

July 26, 2016



Overview

Self-introduction

A little intro my work

Self-introduction

self-intro

Interests

A little intro my work

FMS Simulation

Geometry Look

How it works

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❖ Interests

A little intro my work

- 👉 I come from Kaifeng, located in east-central China, one of the Eight Ancient Capitals of China.
- 👉 Started my Ph.D pursuing in Fall, 2014, Iowa State University, supervised under Dr. John Lajoie. Finished courses and passed qualification exams.
- 👉 I began with STAR spin group to learn stuffs this summer and I plan to stay in BNL for the next 3 years.
- 👉 I will participate in building Postshower detector soon.

Interests

Self-introduction

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❖ Interests

A little intro my work

- 👉 Passionate in coding, Linux, Open Source. . .
- 👉 Interested in electronics, robotics, 3D printer. . .
- 👉 Want to learn more about artificial intelligence, machine learning, big data. . .
- 👉 Read tech-news everyday, like watching reviews of new-tech products.
- 👉 Call me if you have any software or hardware activities in BNL.

Self-introduction

A little intro my work

- ❖ FMS Simulation
- ❖ Geometry Look
- ❖ How it works
- ❖ Correlations

A little intro my work

FMS Simulation

Self-introduction

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❖ FMS Simulation

❖ Geometry Look

❖ How it works

❖ Correlations

👉 Forward Meson Spectrometer & Preshower & Postshower measure A_N of Drell-Yan production(e^-/e^+).

👉 Challenge is to suppress the larger hadron process, which is on the order of $10^5 \sim 10^6$ than DY process.

👉 FMS cut will separate μ^- , most part of hadrons.

👉 plus Preshower first two layers cut will separate γ from charged particles.

👉 plus Preshower third layer cut will separate e^- from hadron.

👉 plus Postshower cut will provide e^- separation from hadron improvement.

Geometry Look

Self-introduction

A little intro my work

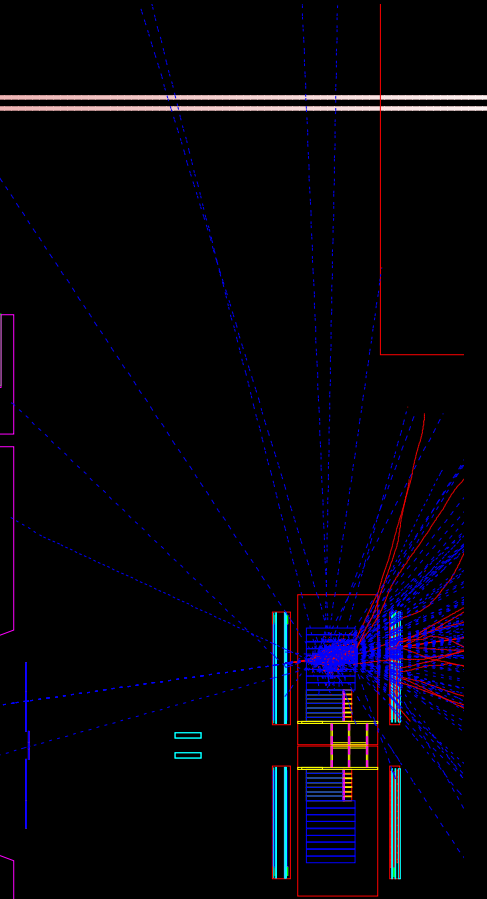
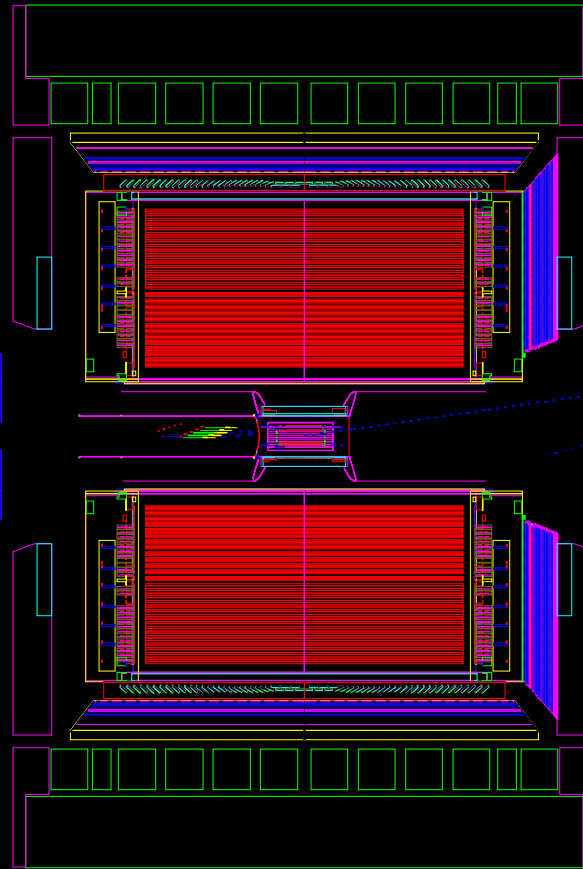
❖ FMS Simulation

❖ Geometry Look

❖ How it works

❖ Correlations

Overall Look



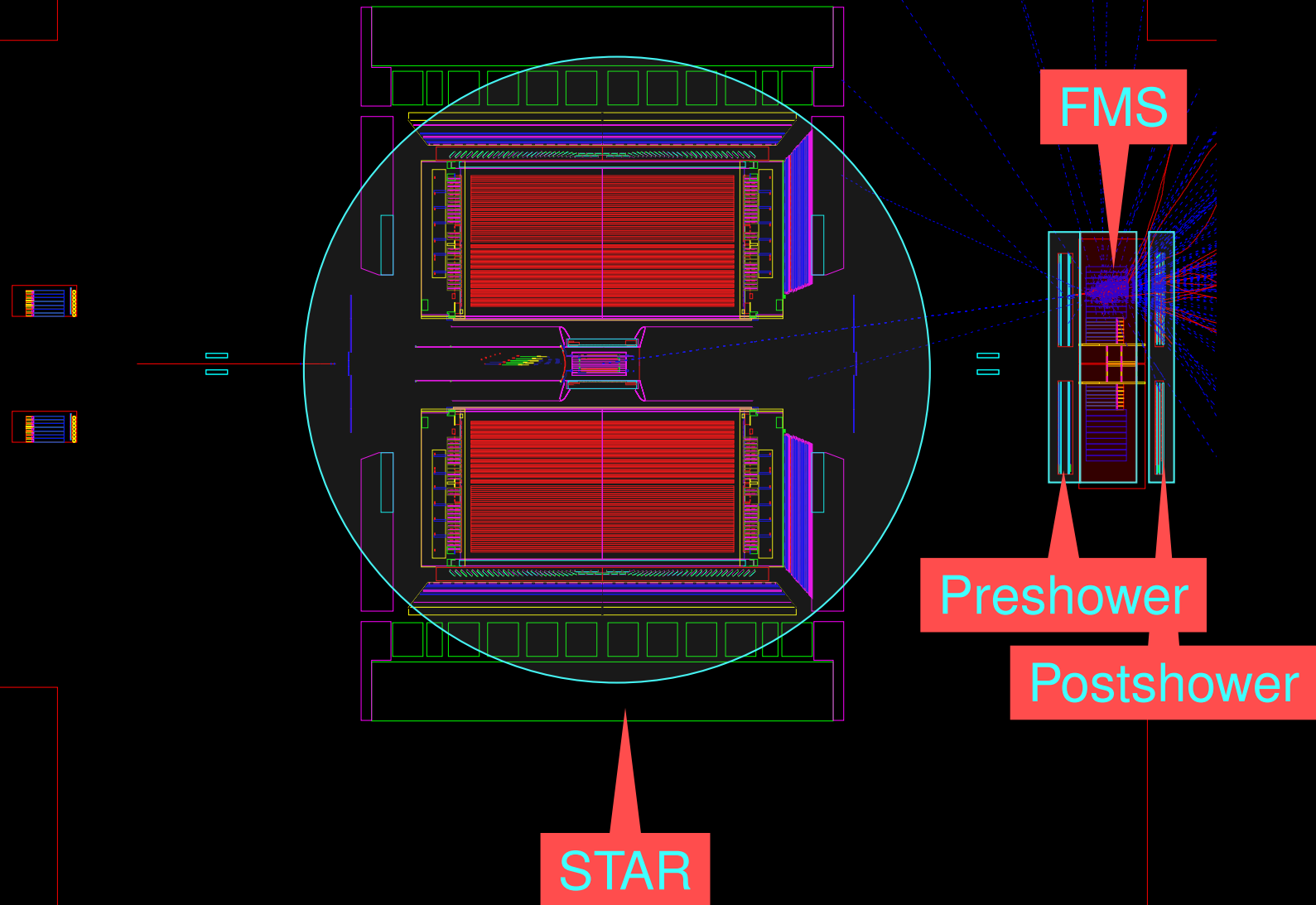
Geometry Look

Self-introduction

A little intro my work

- ❖ FMS Simulation
- ❖ **Geometry Look**
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- ❖ Correlations

Overall Look

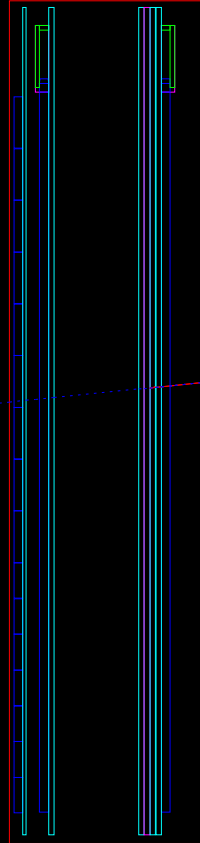


Geometry Look

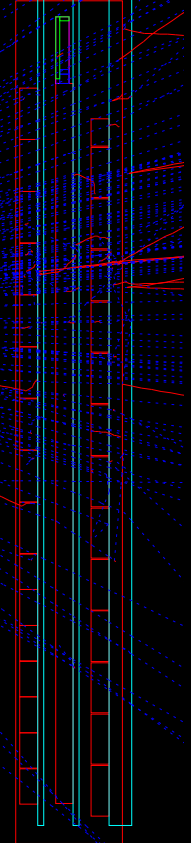
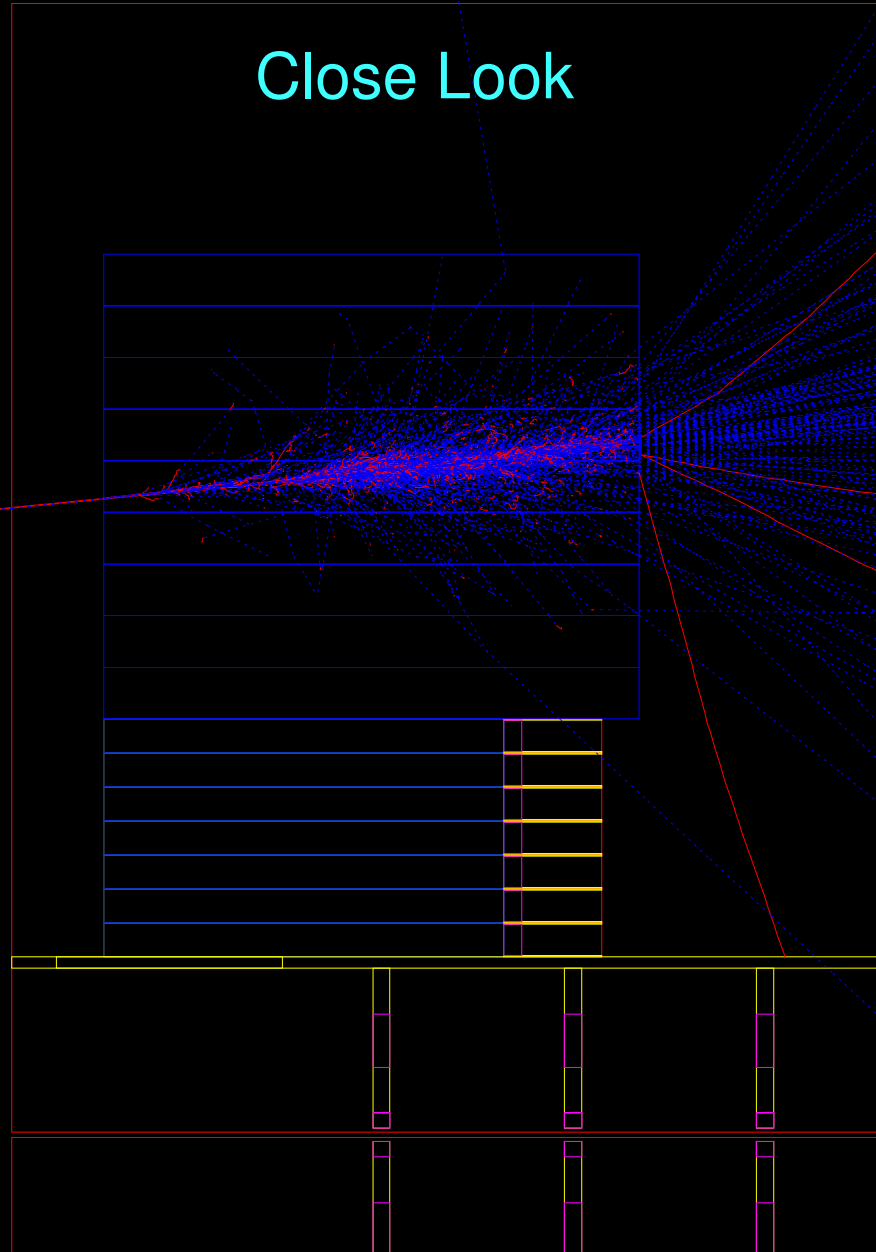
Self-introduction

A little intro my work

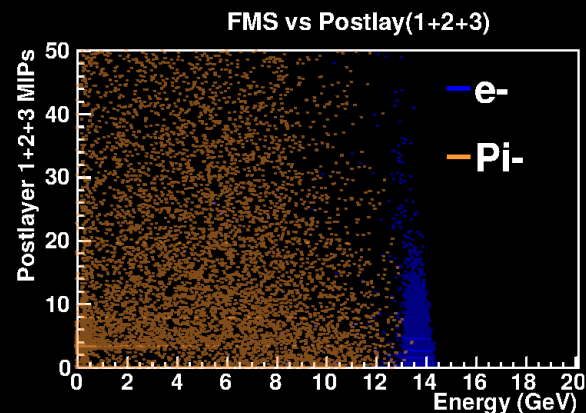
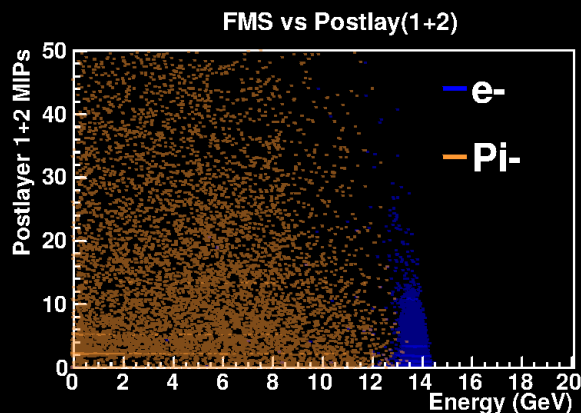
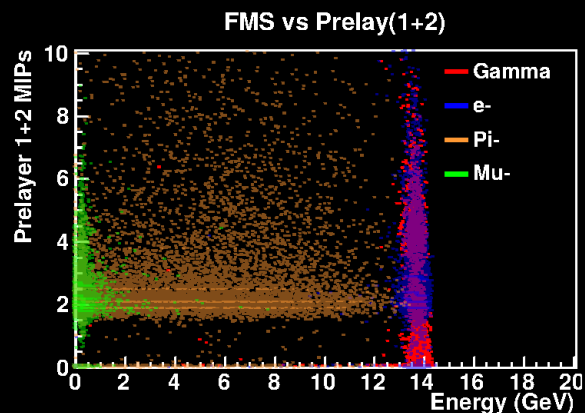
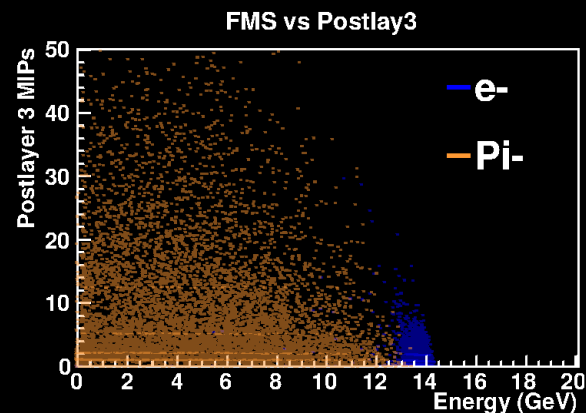
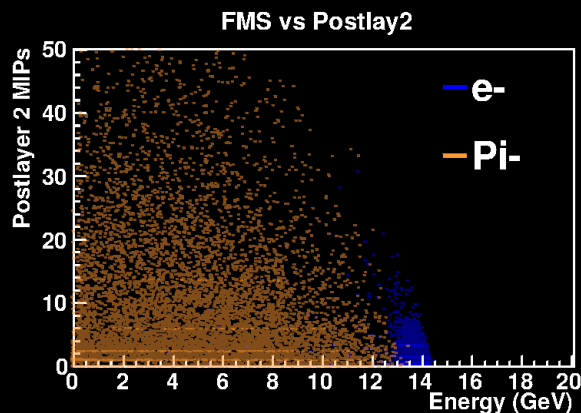
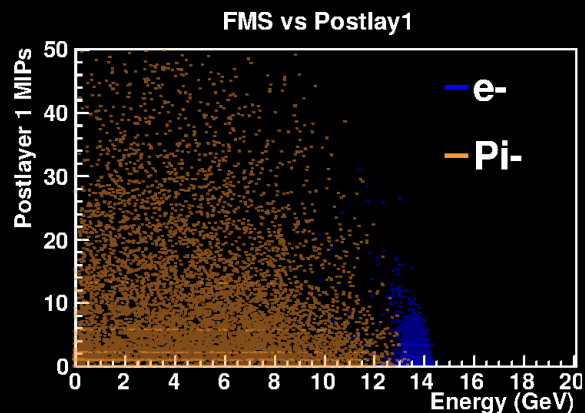
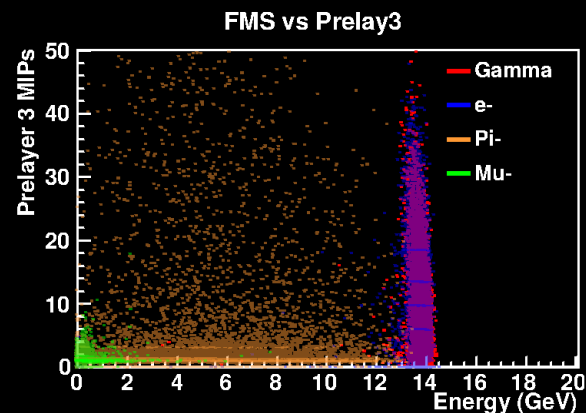
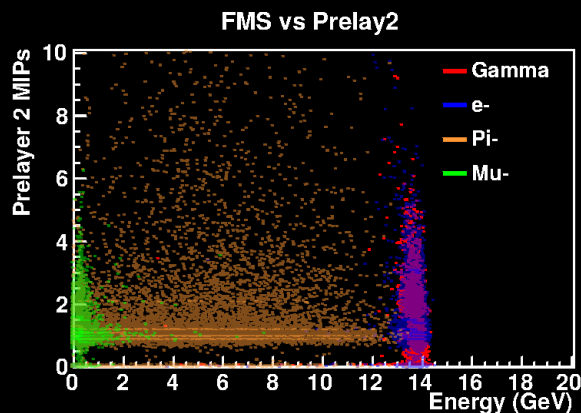
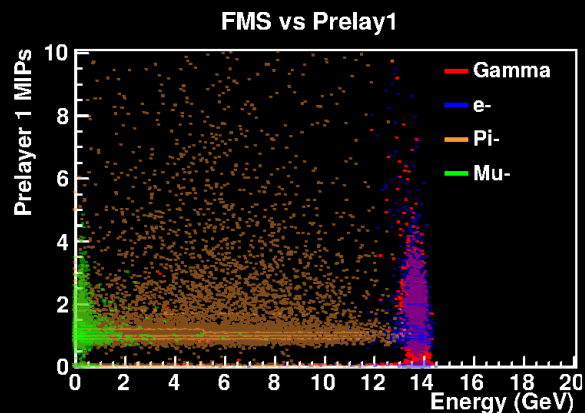
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- ❖ **Geometry Look**
- ❖ How it works
- ❖ Correlations



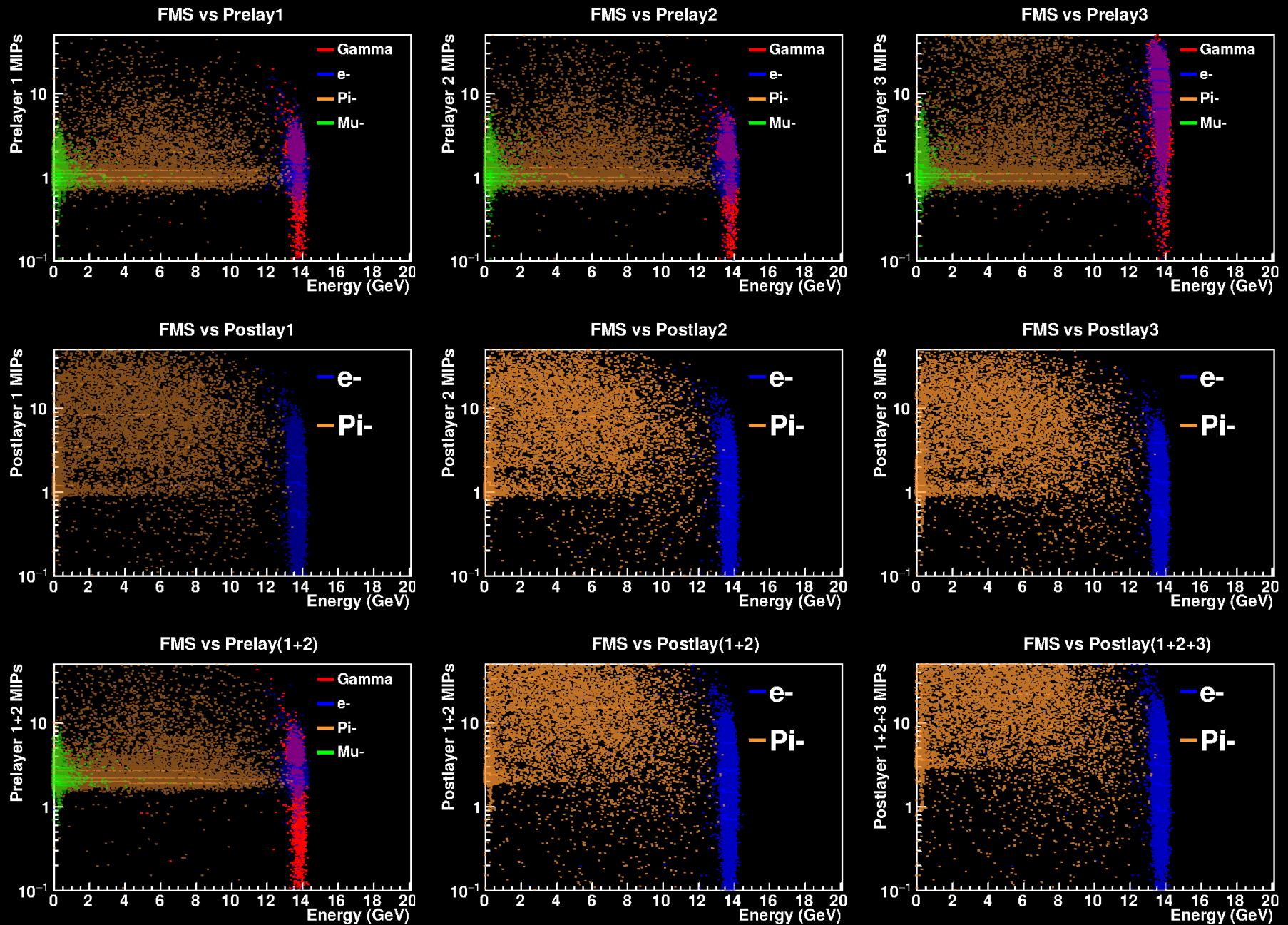
Close Look



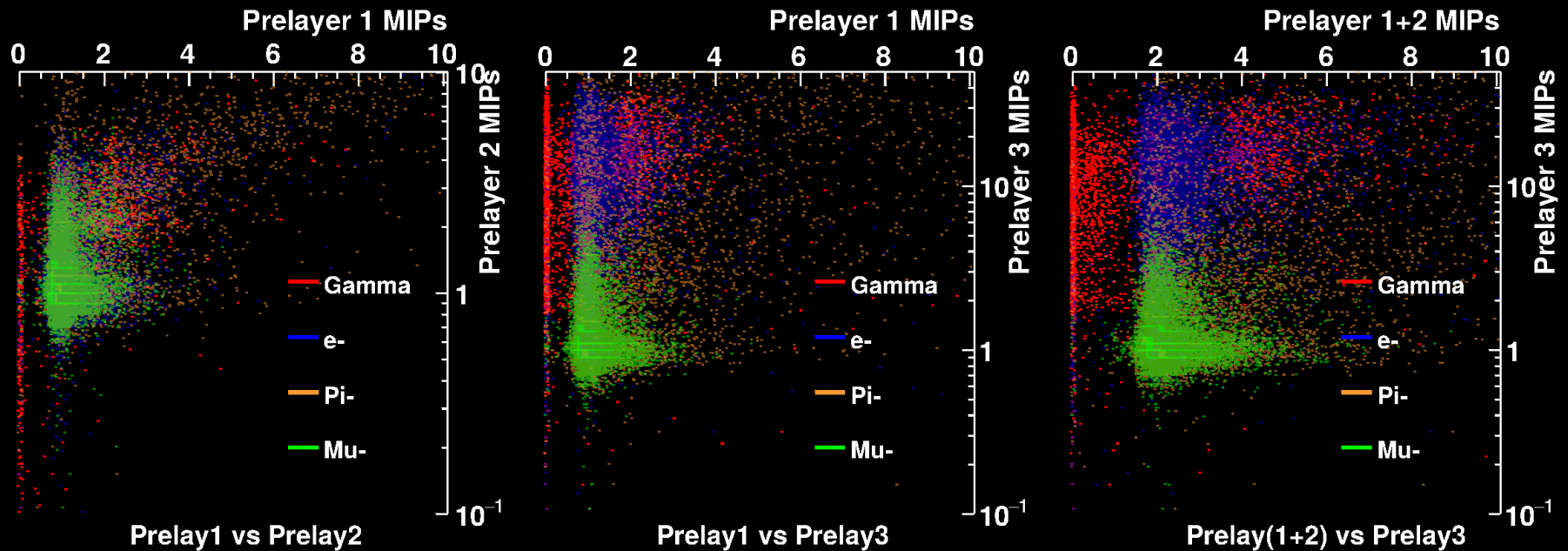
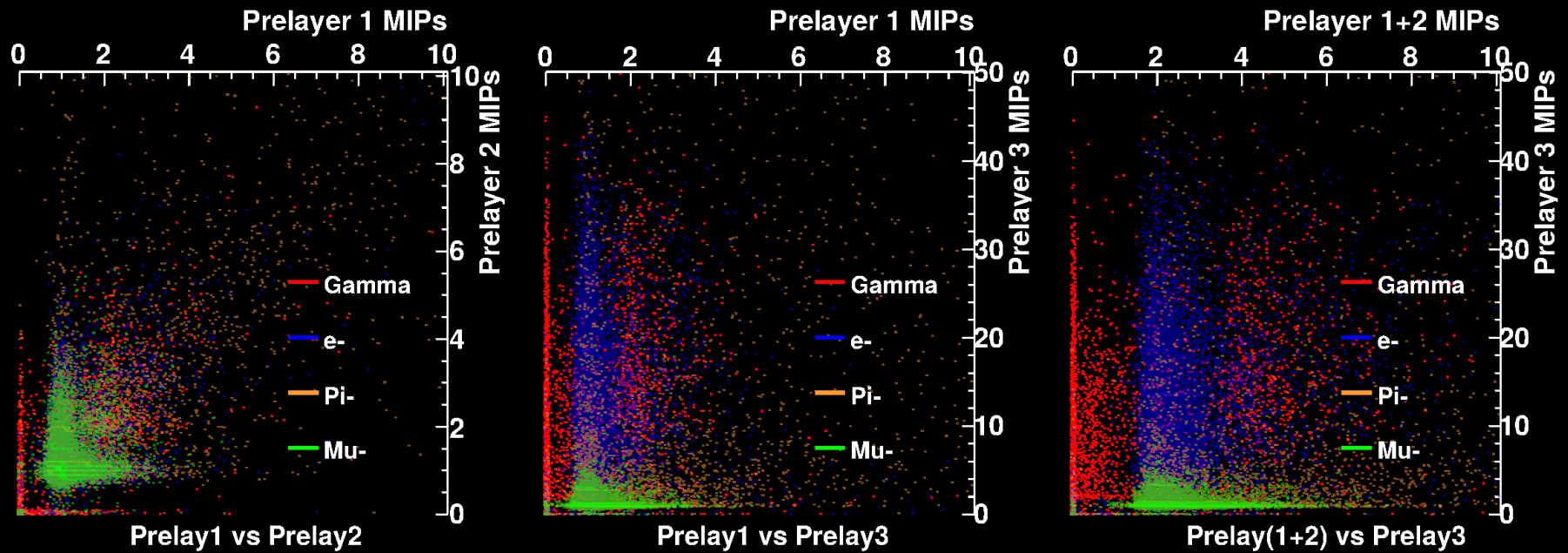
Correlations



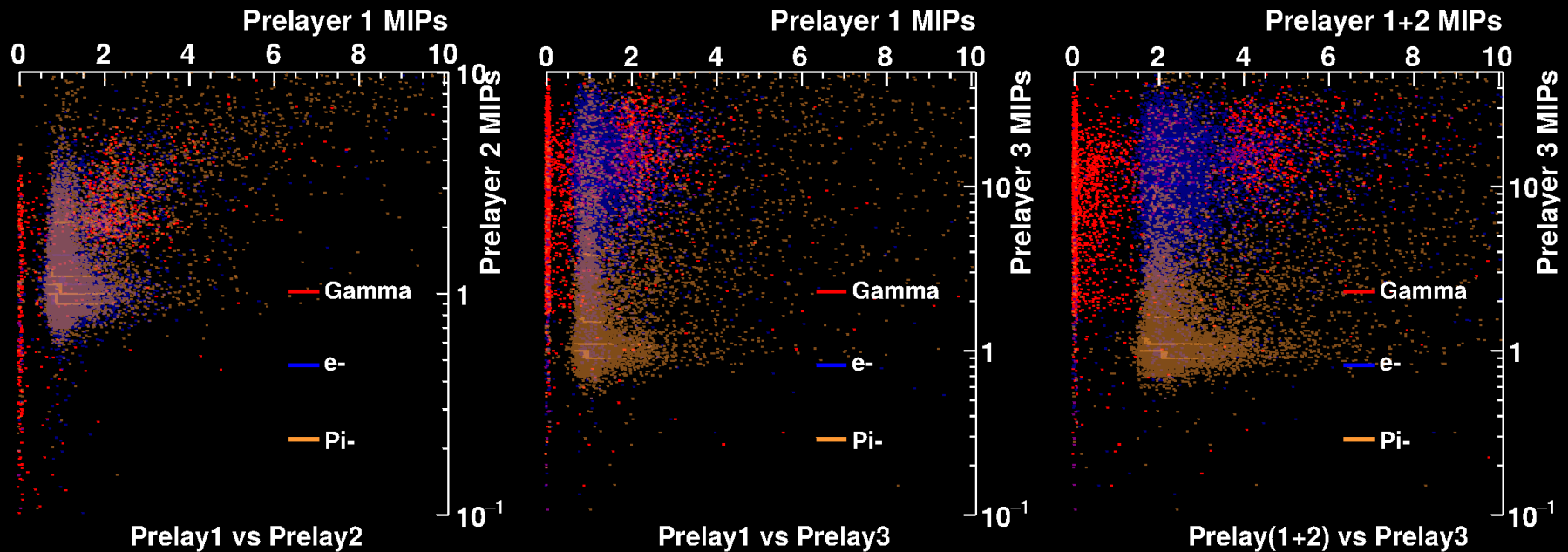
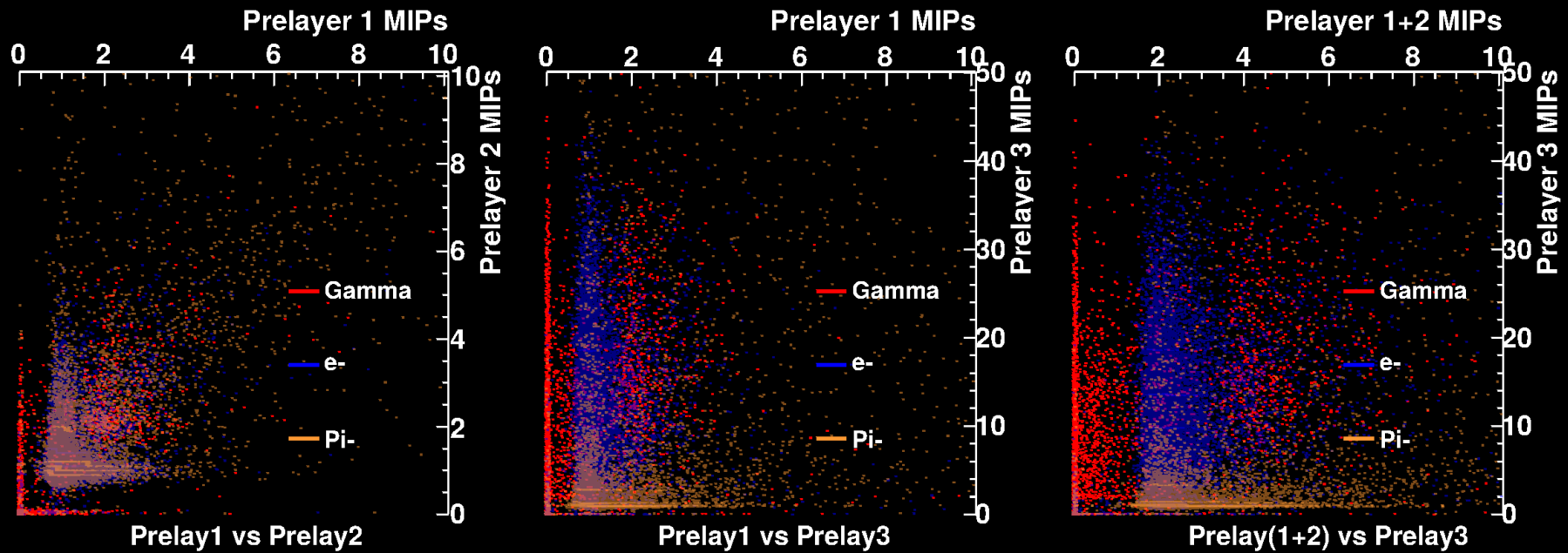
Correlations



Correlations



Correlations



Correlations

