



PID Selection

Joana Wirth

21.04.2016

EXP: SYSTEM 1

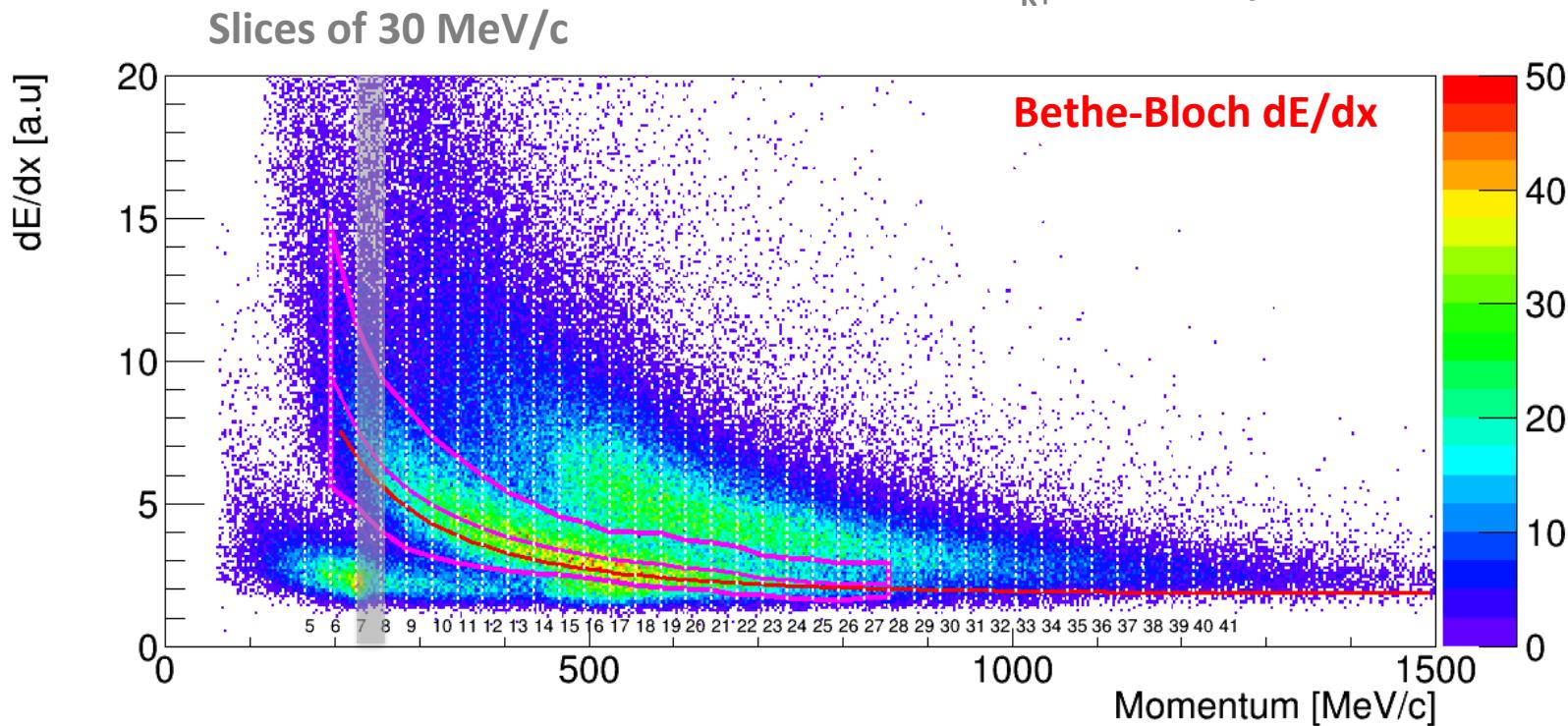


PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

System 1

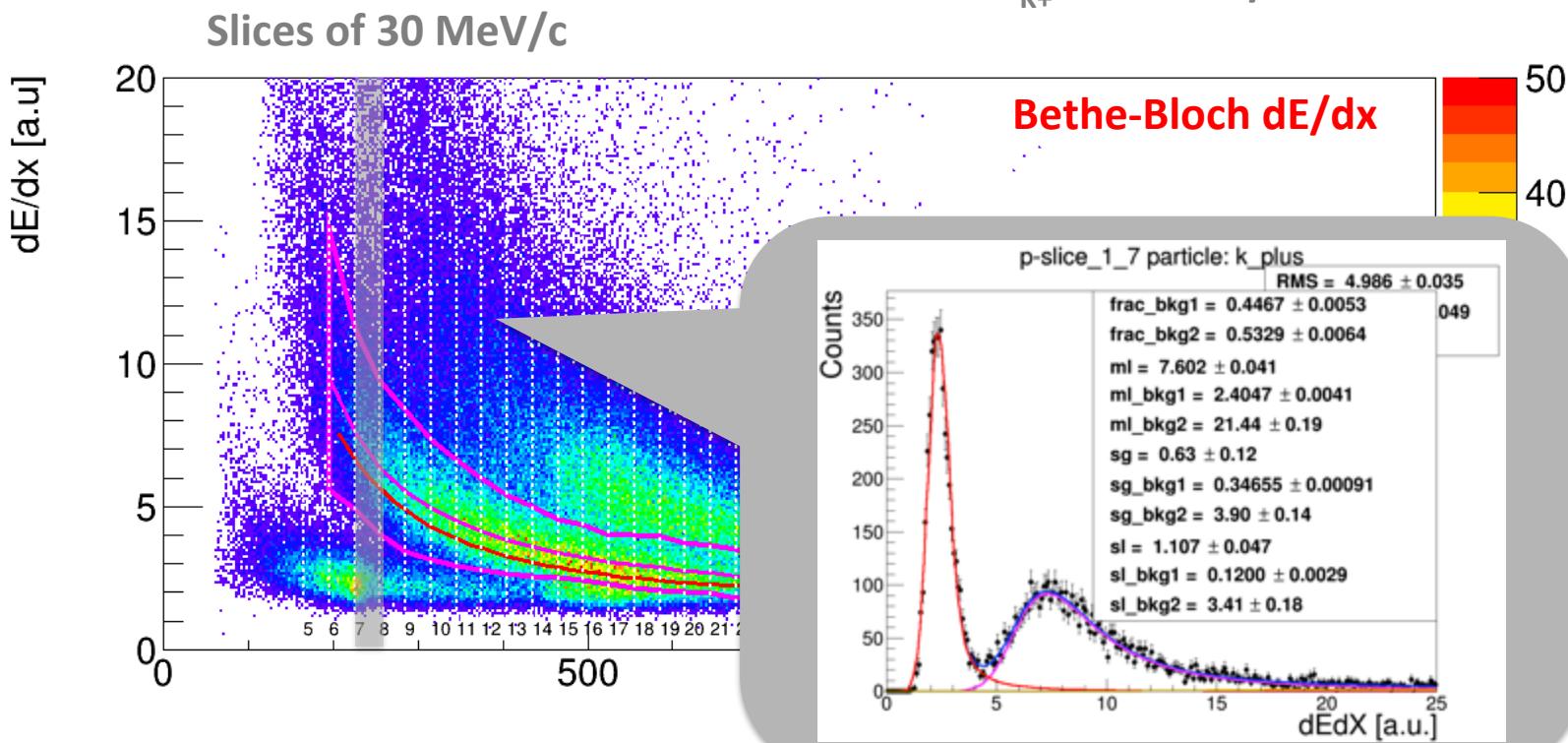
SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$



PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

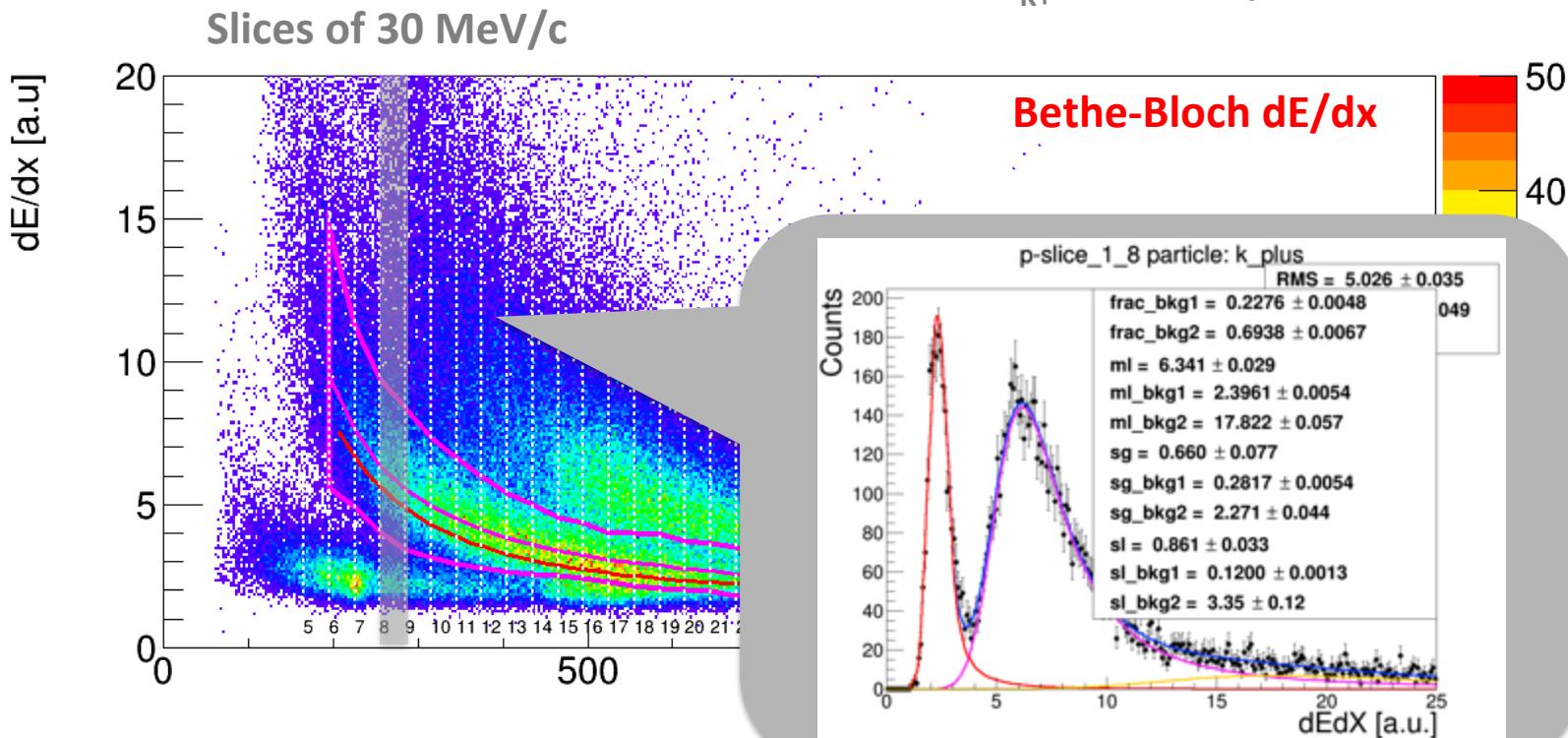
System 1



PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

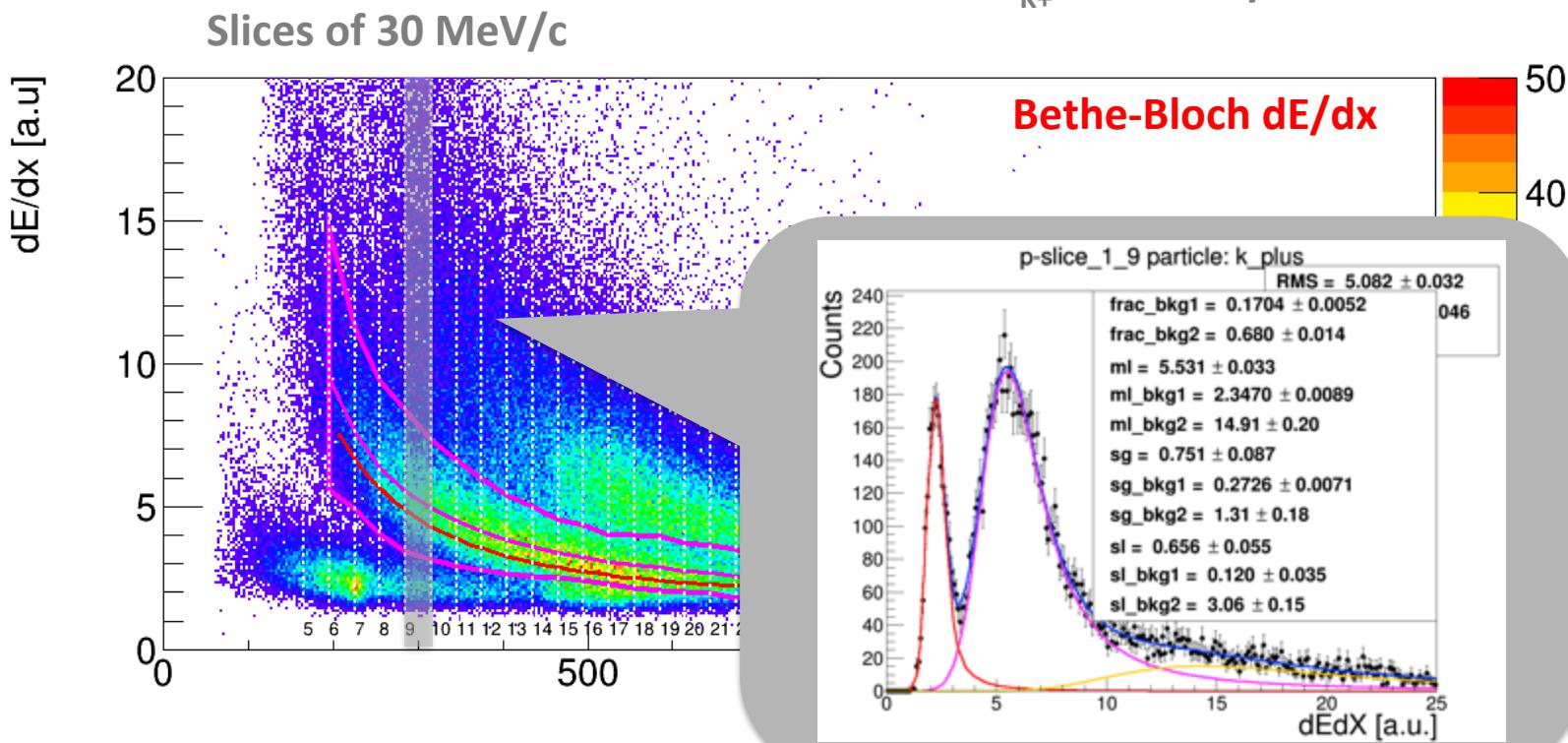
System 1



PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

System 1

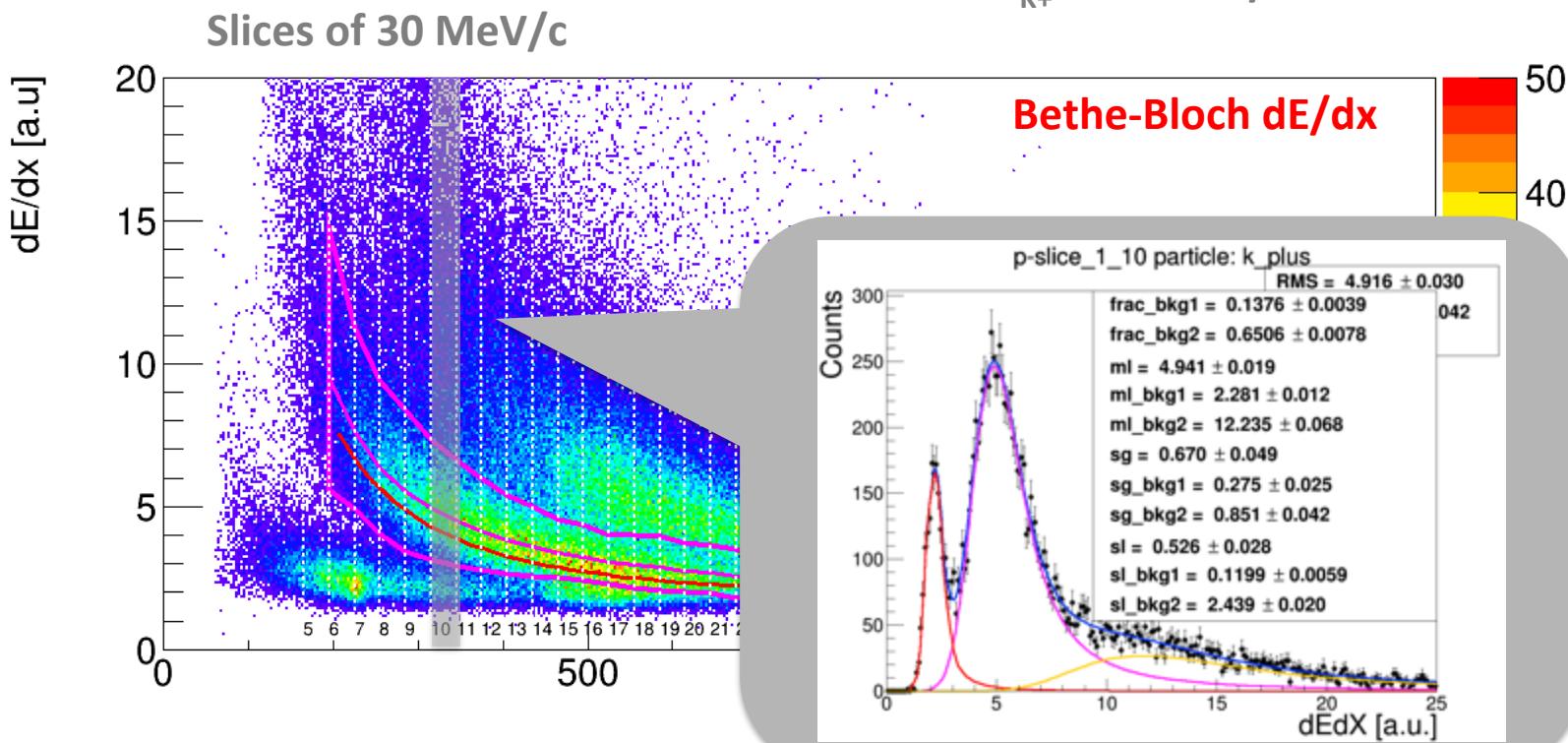


SELECTION of Kaons:
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PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

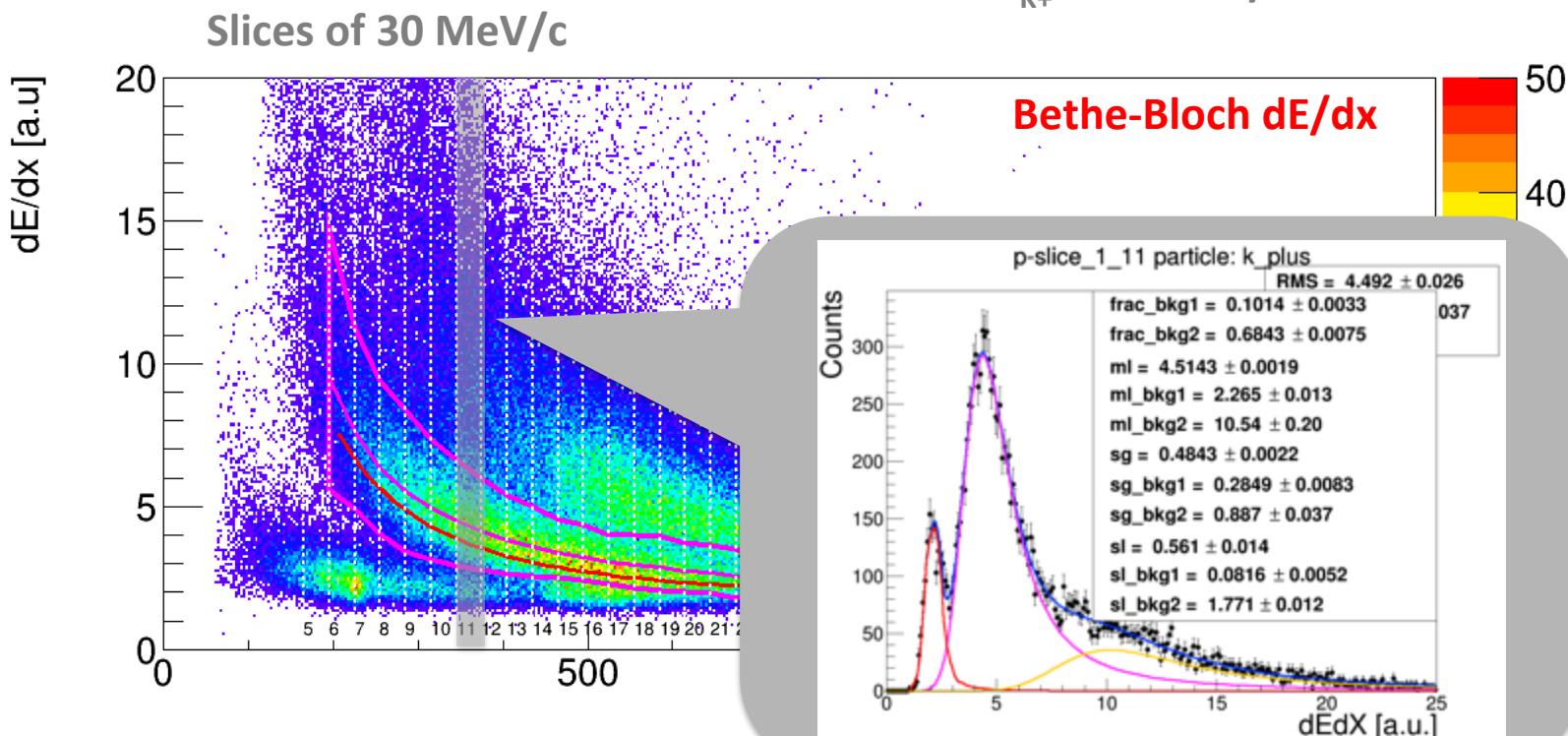
System 1



PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

System 1



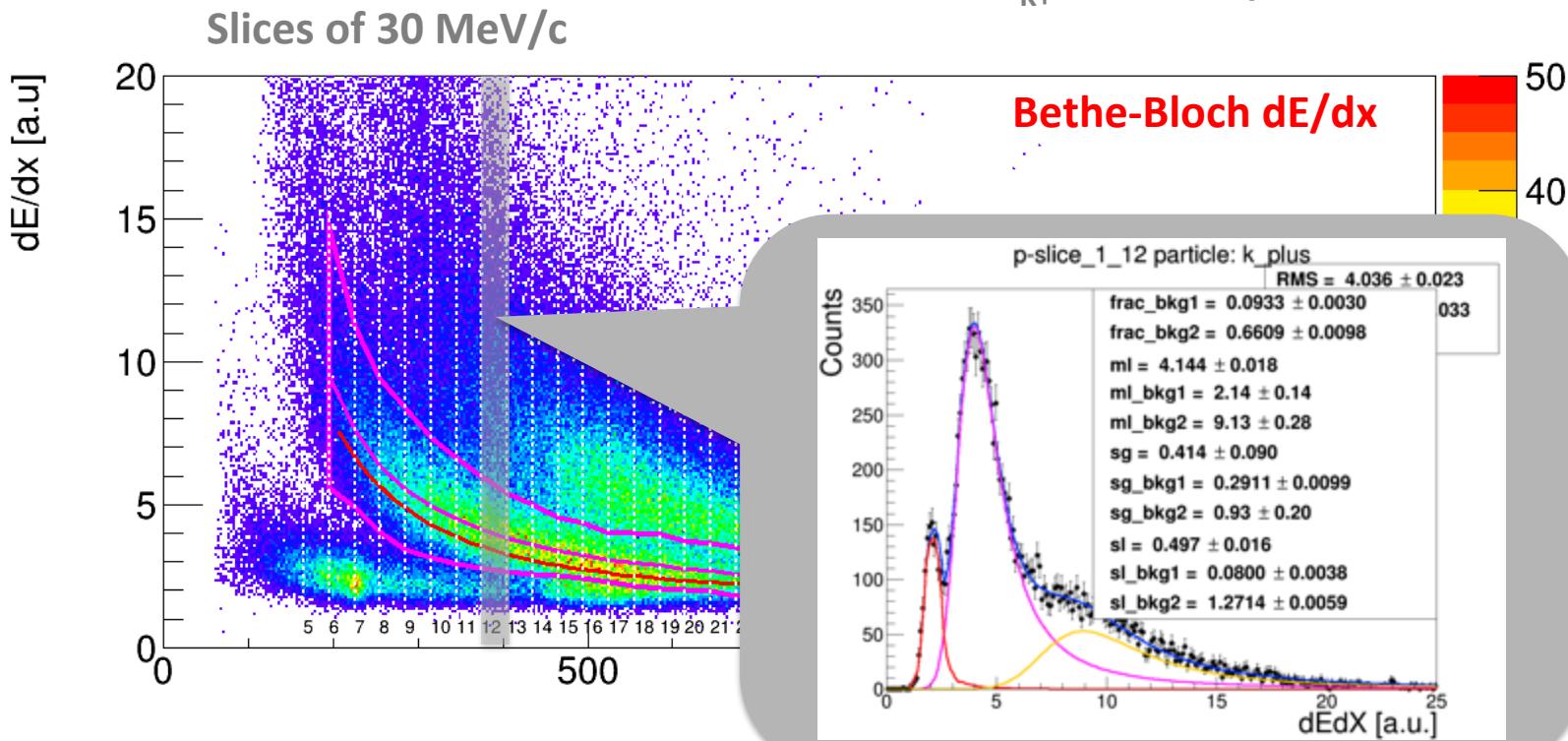
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 $M_{K+} \pm 50 \text{ MeV}/c^2$

PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

System 1

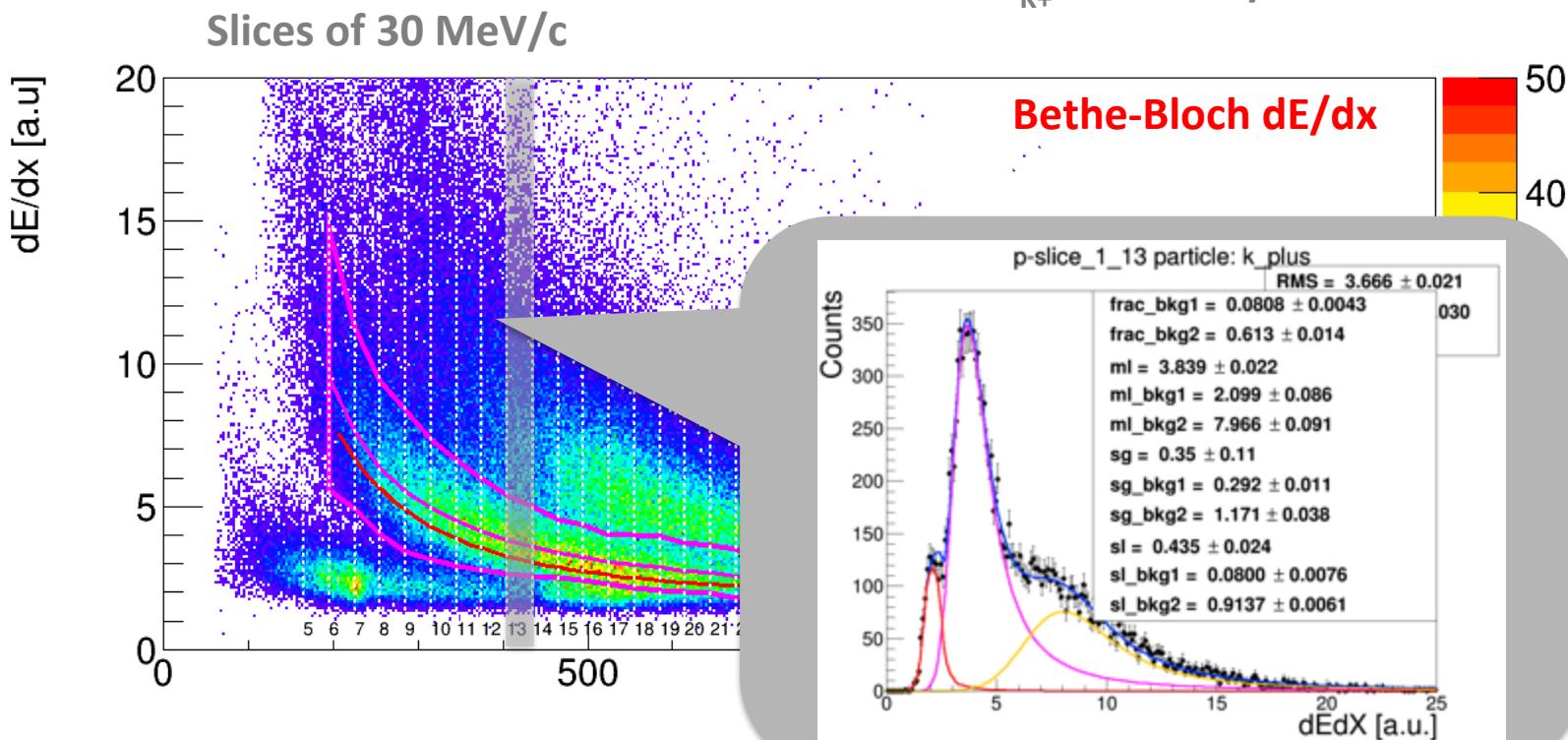
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System 1

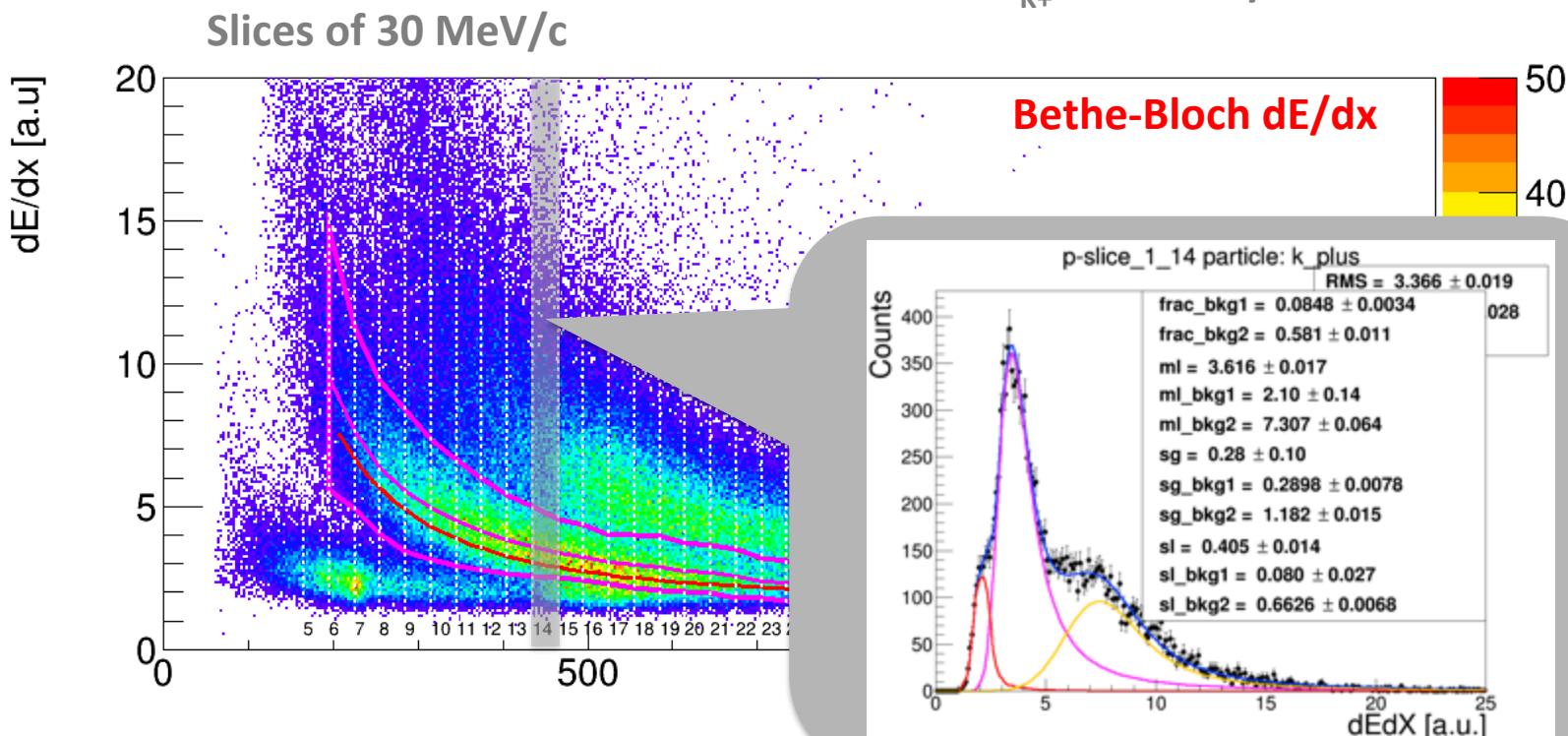


SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

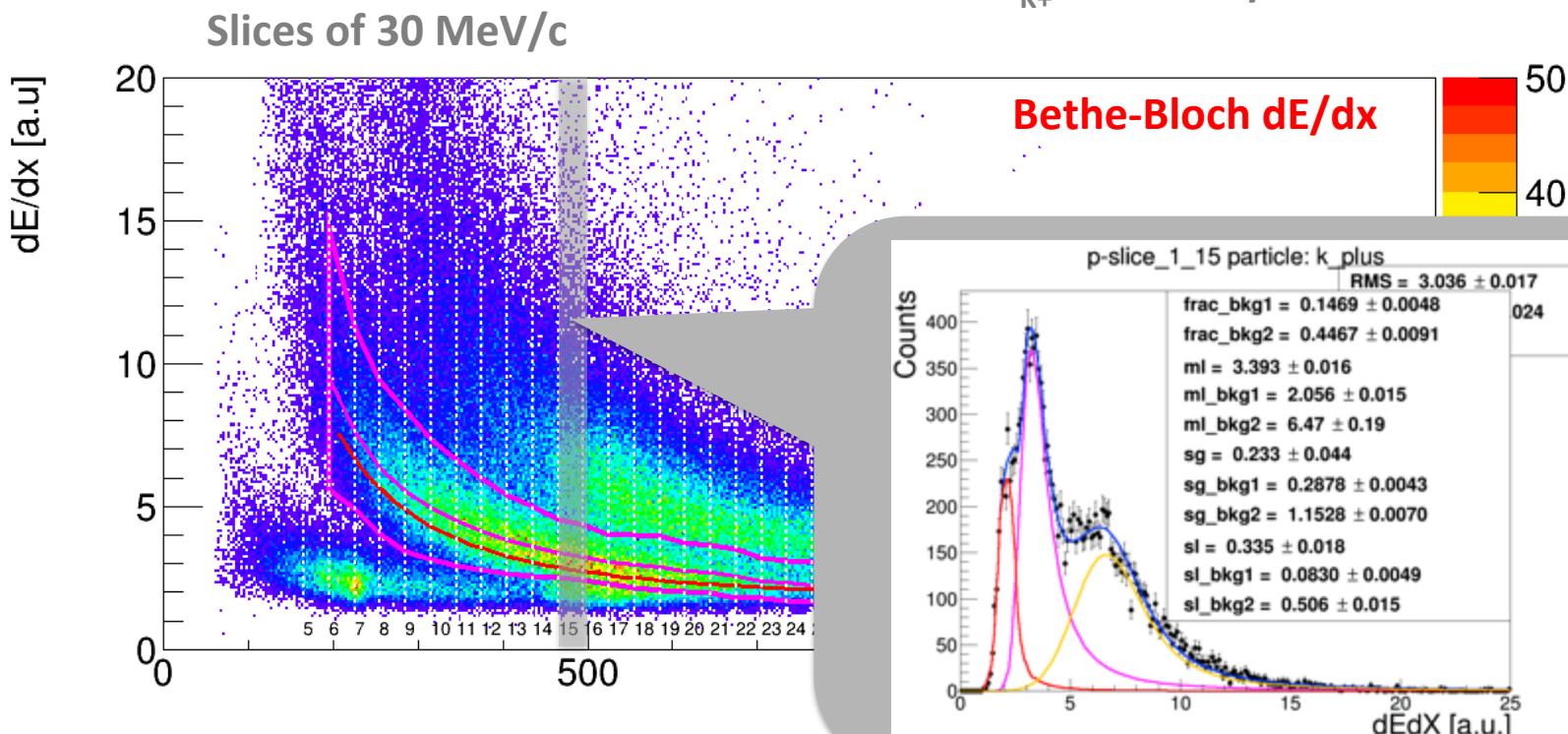
System 1



PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

System 1



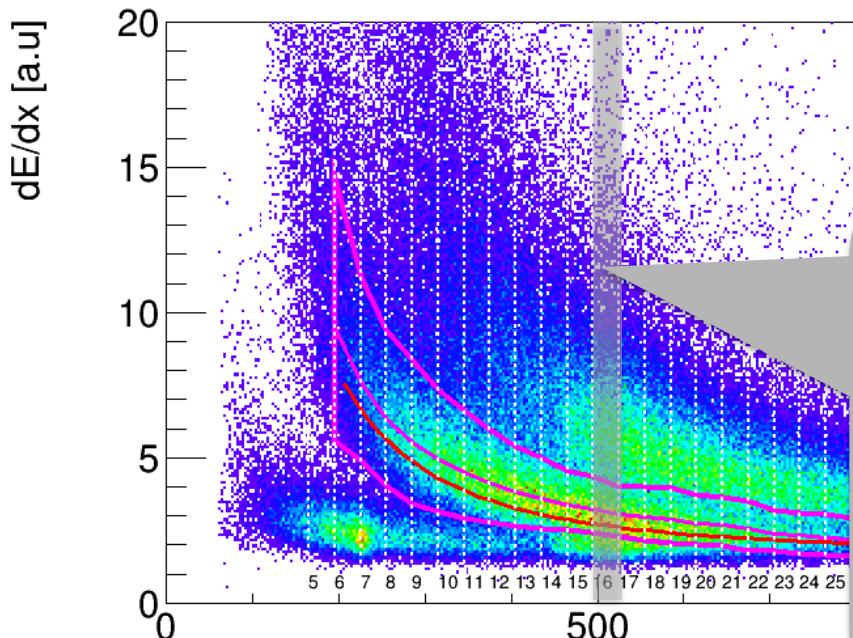
SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

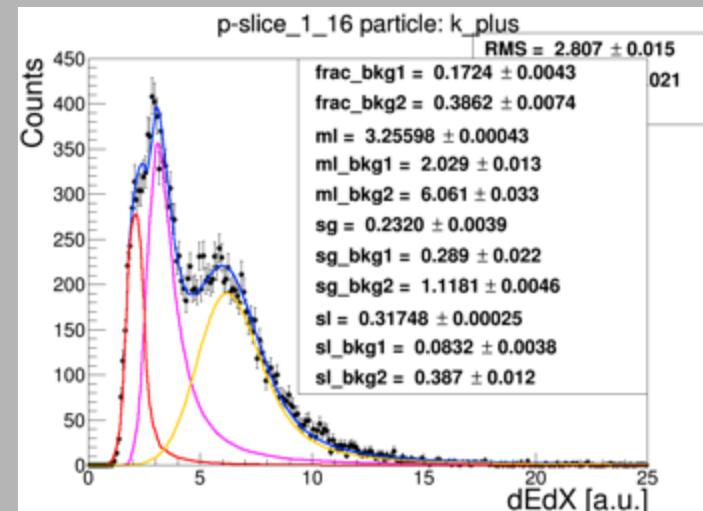
System 1

Slices of 30 MeV/c



SELECTION of Kaons:
 $M_{K+} \pm 50$ MeV/c²

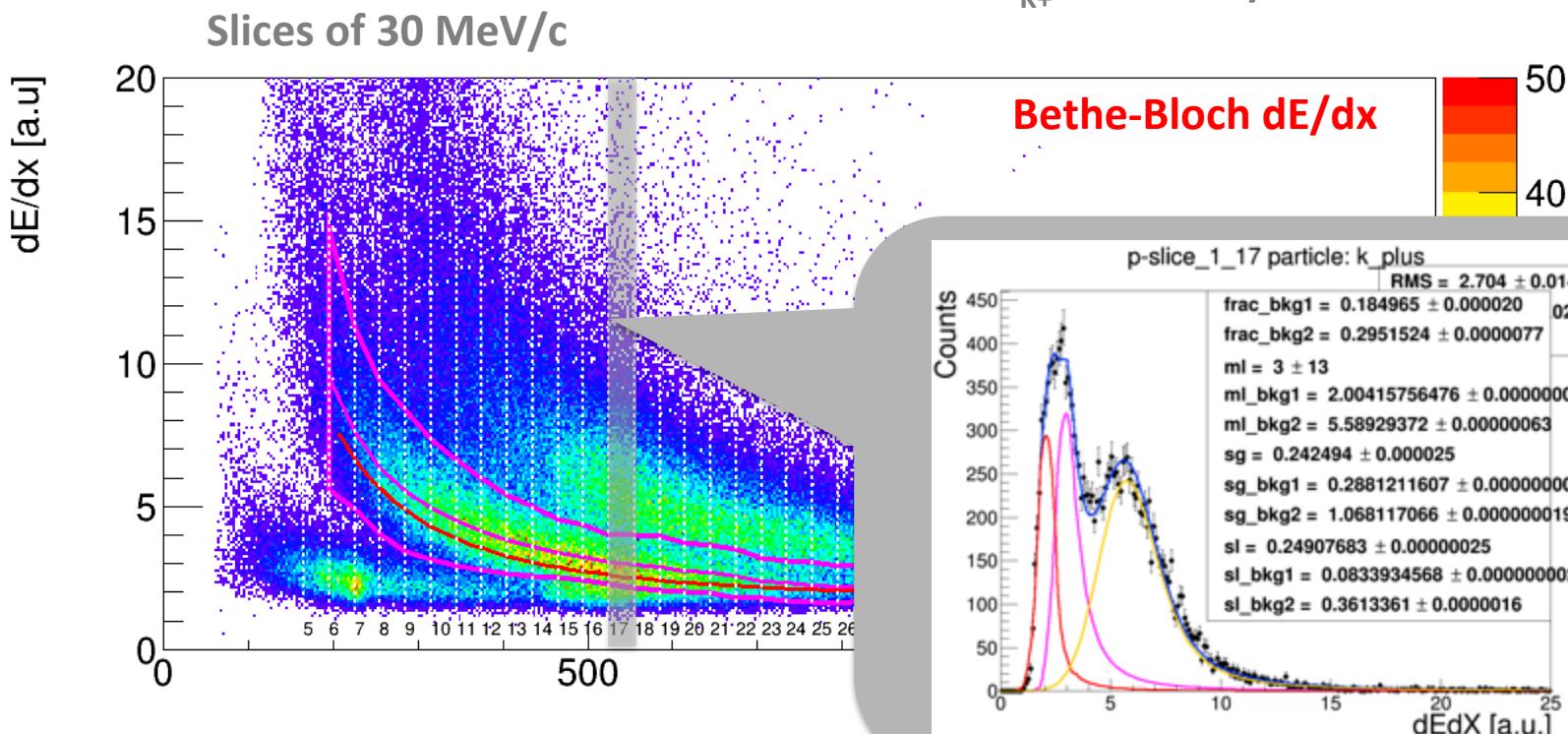
Bethe-Bloch dE/dx



PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

System 1

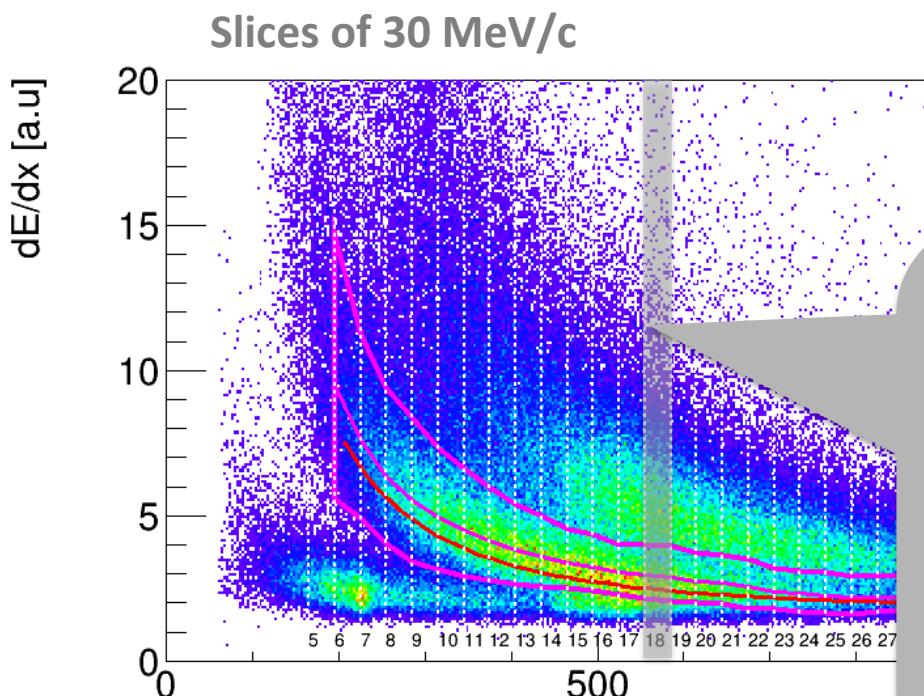


SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

System 1



SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

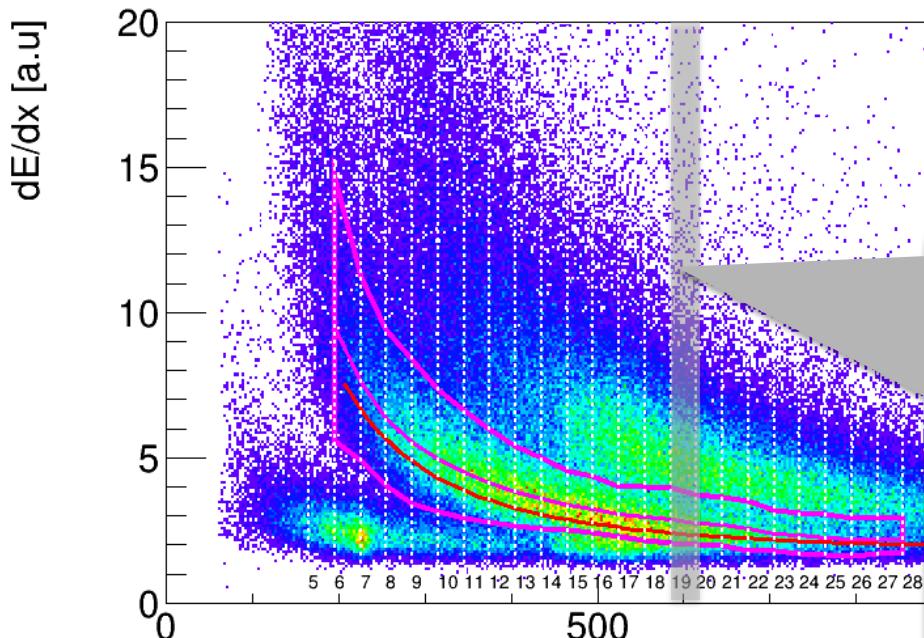


PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

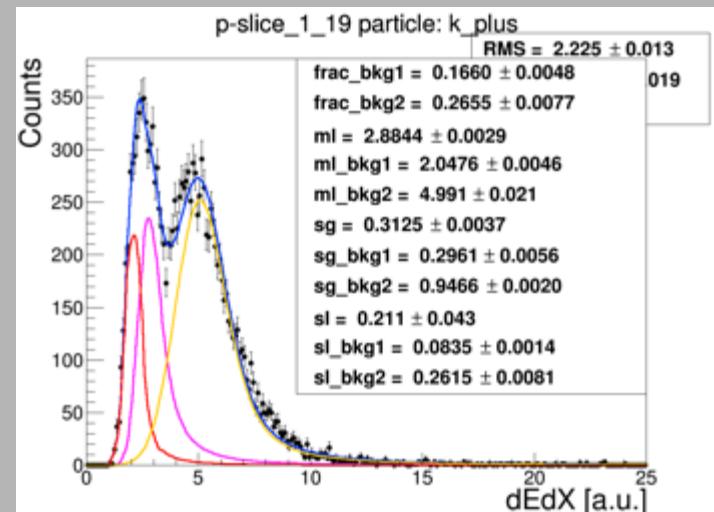
System 1

Slices of 30 MeV/c



SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

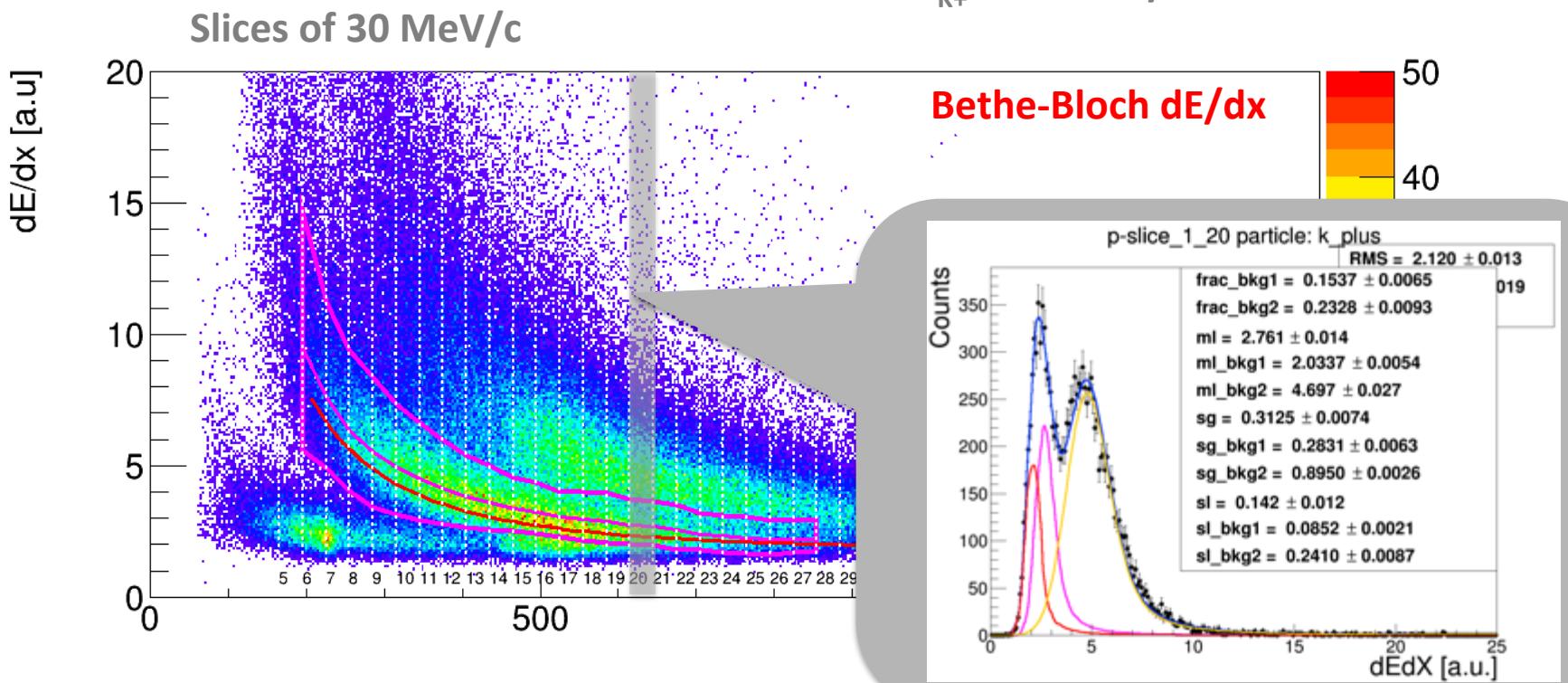
Bethe-Bloch dE/dx



PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

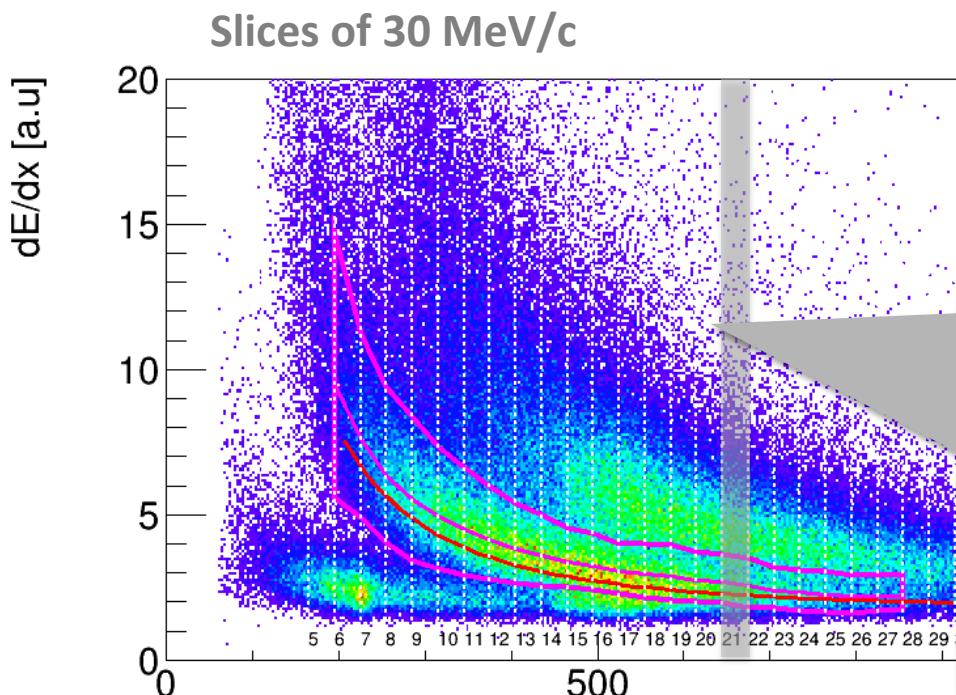
System 1



PID Selection Procedure

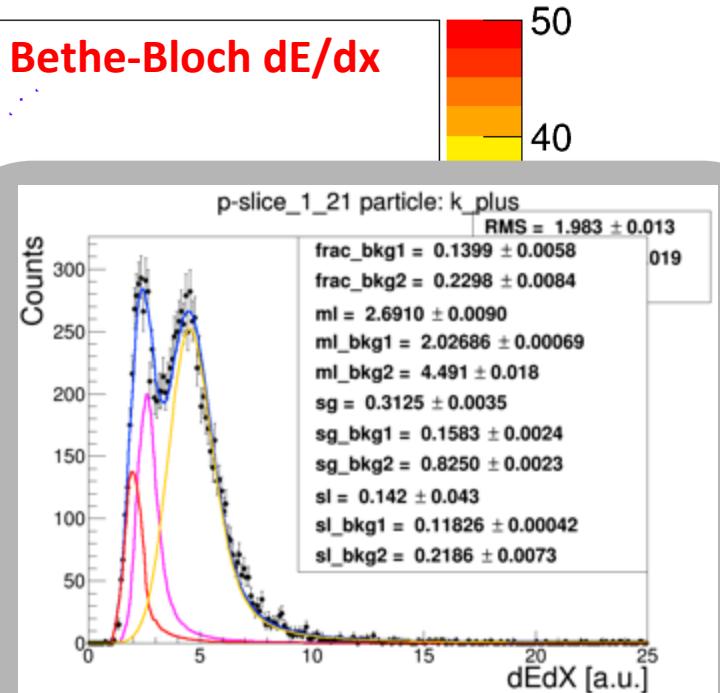
EXP: π^-W (w.o. energy loss correction)

System 1



SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

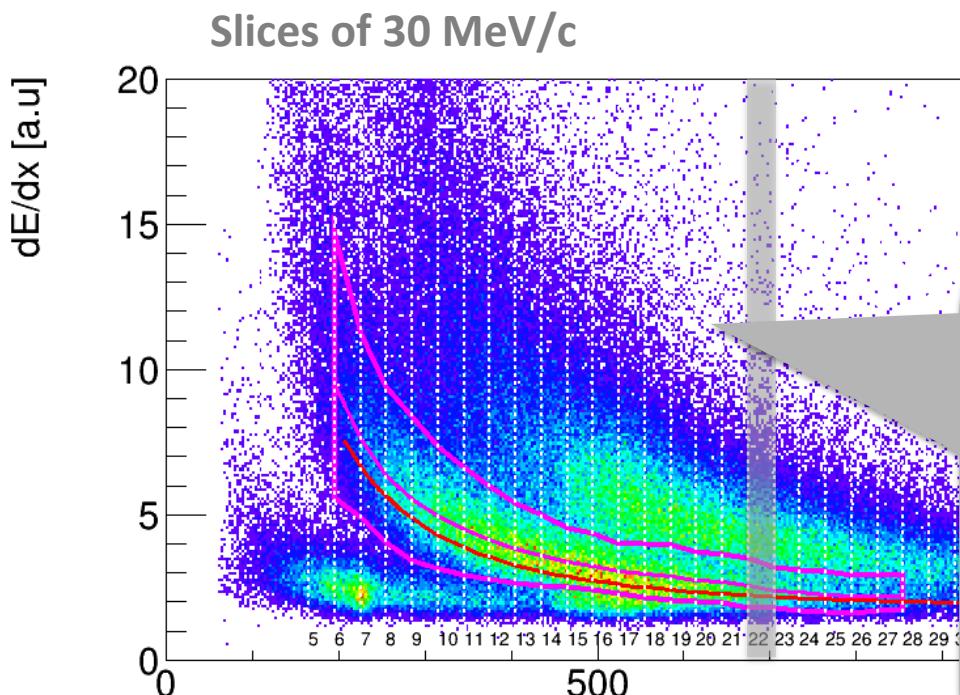
Bethe-Bloch dE/dx



PID Selection Procedure

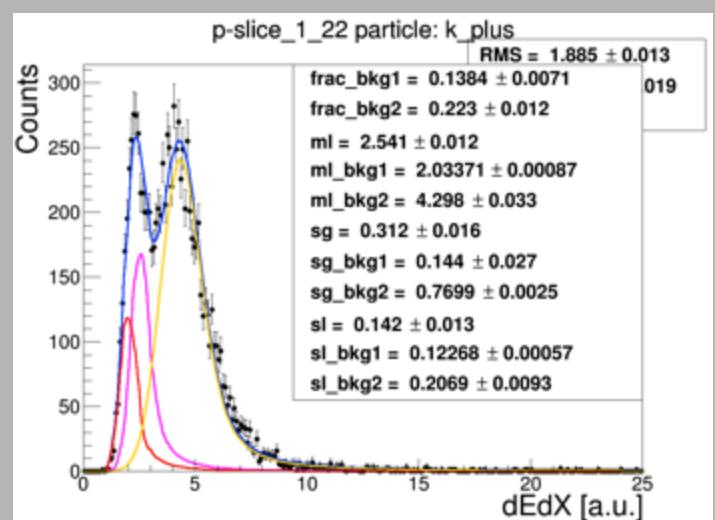
EXP: π^-W (w.o. energy loss correction)

System 1



SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

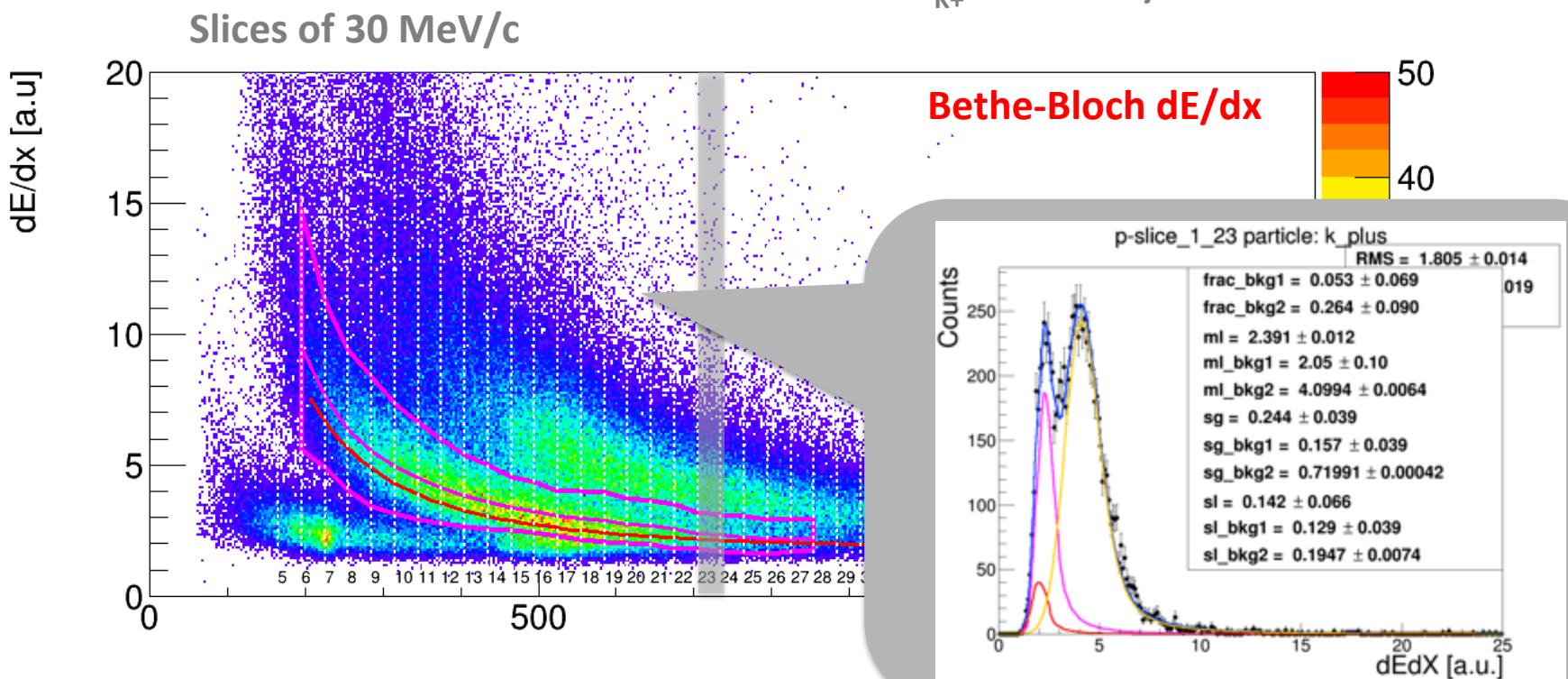
Bethe-Bloch dE/dx



PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

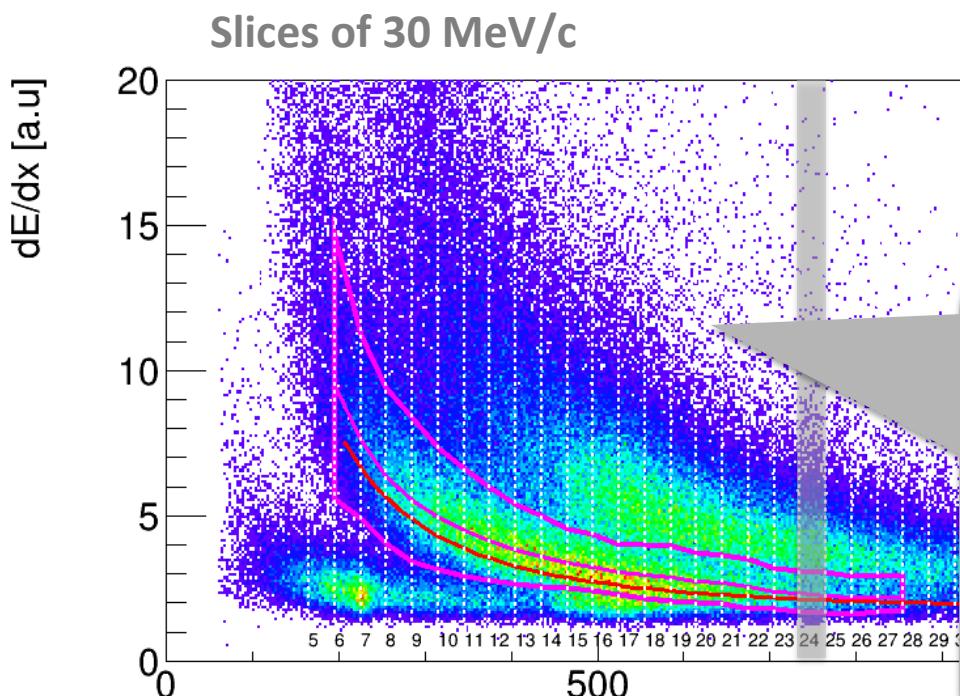
System 1



PID Selection Procedure

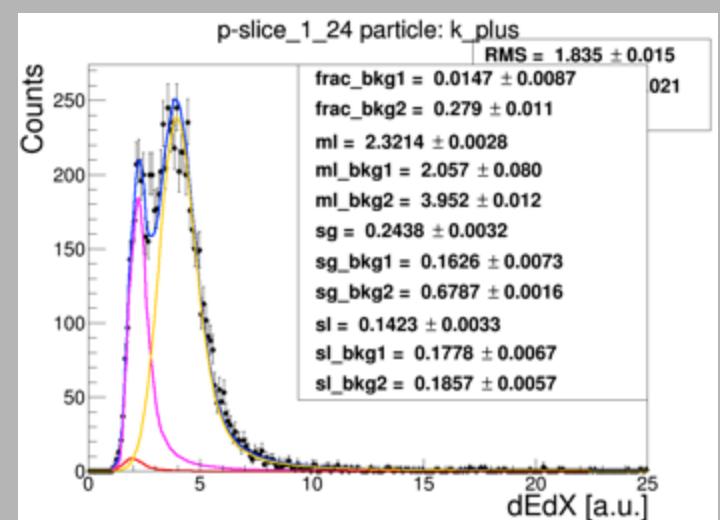
EXP: π^-W (w.o. energy loss correction)

System 1



SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

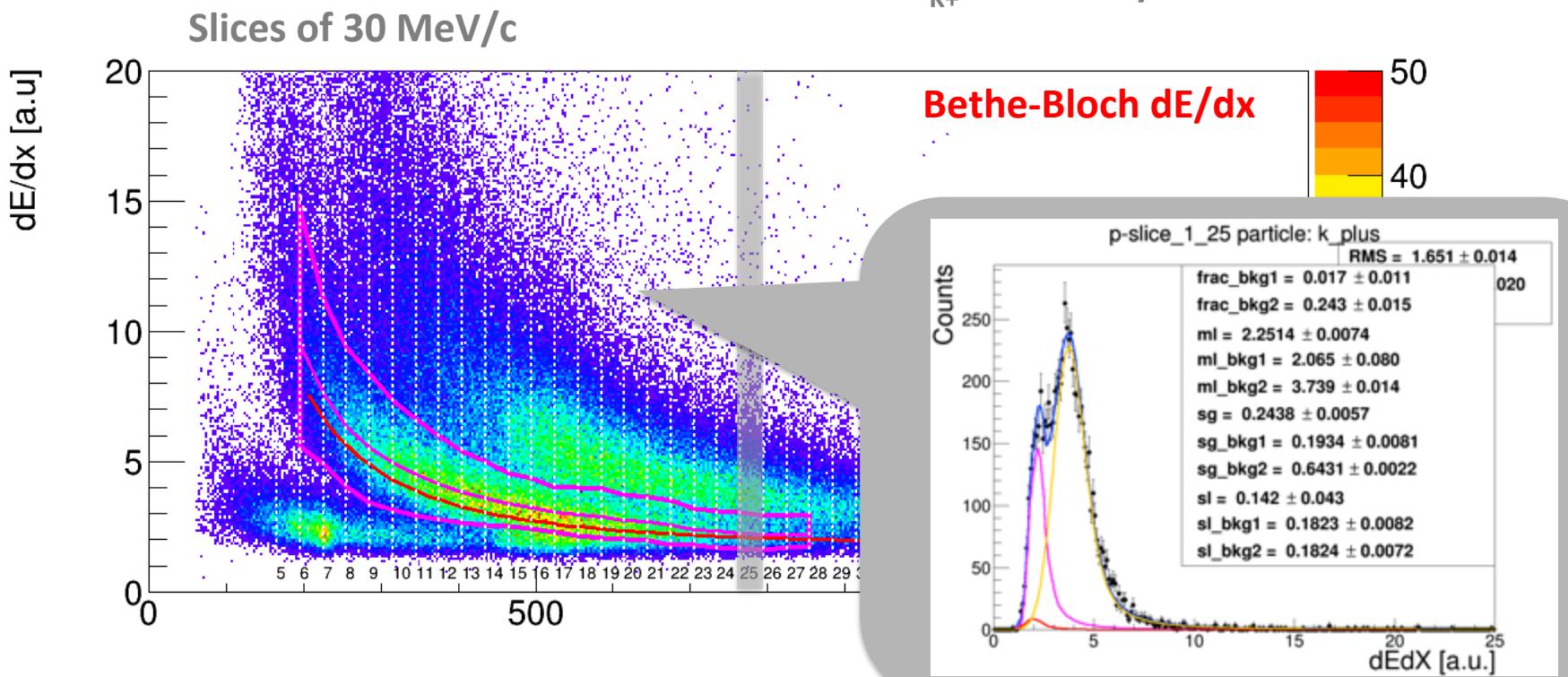
Bethe-Bloch dE/dx



PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

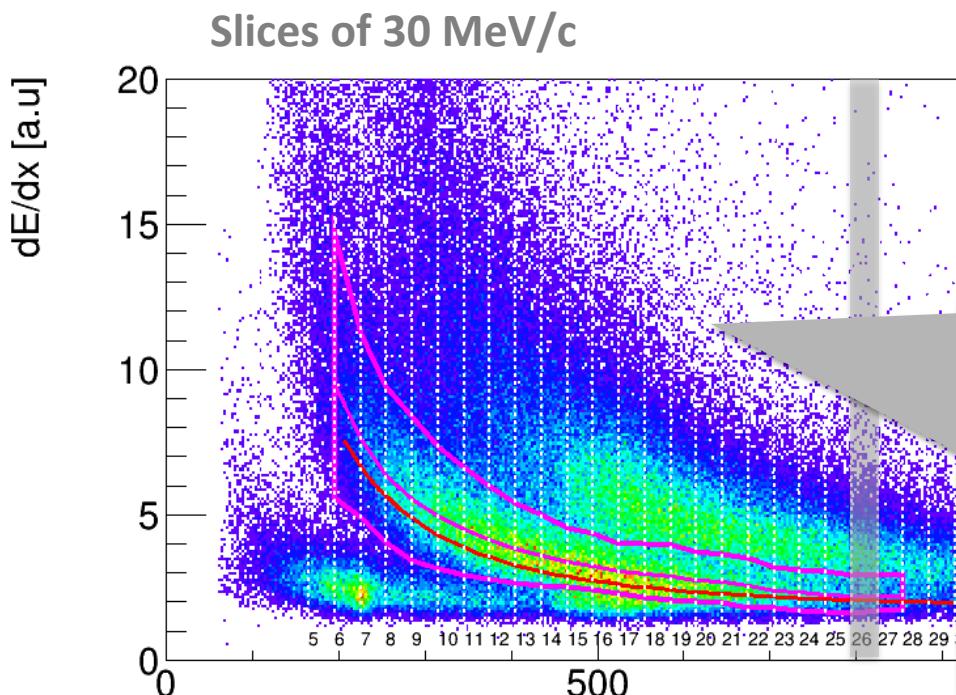
System 1



PID Selection Procedure

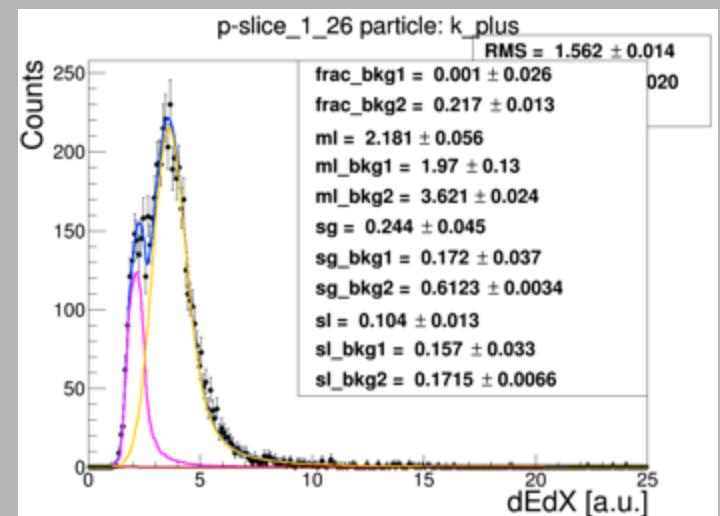
EXP: π^-W (w.o. energy loss correction)

System 1



SELECTION of Kaons:
 $M_{K^+} \pm 50 \text{ MeV}/c^2$

Bethe-Bloch dE/dx

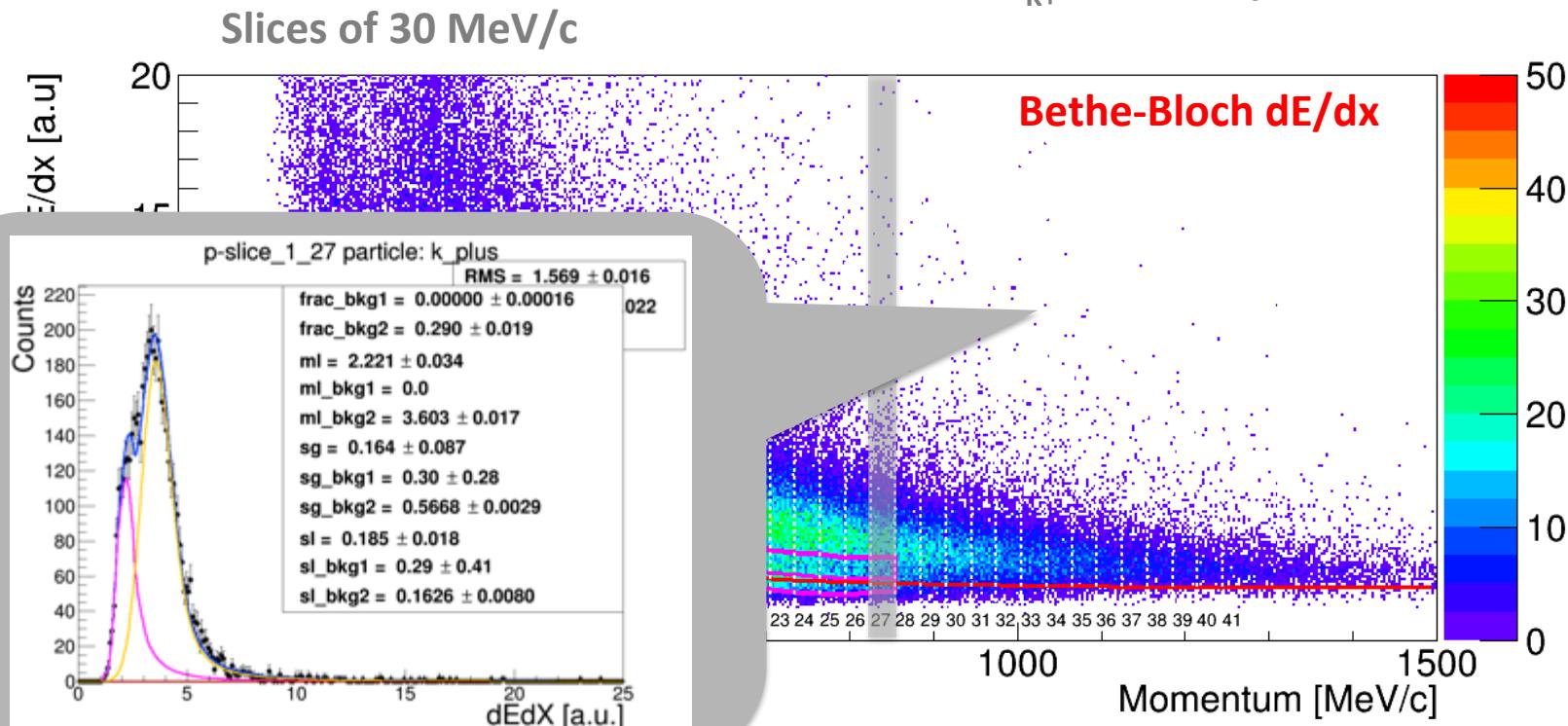


PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

System 1

SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

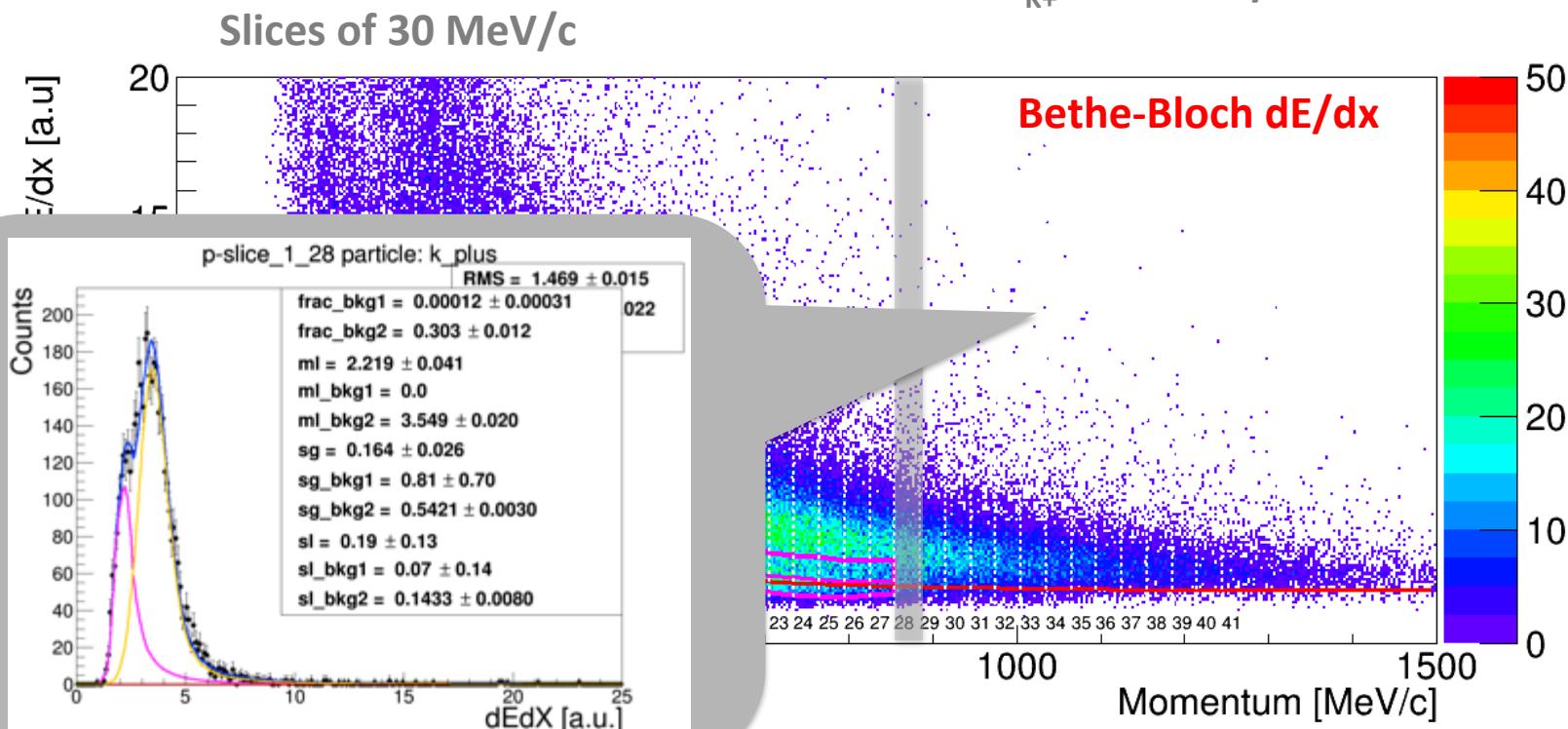


PID Selection Procedure

EXP: π^-W (w.o. energy loss correction)

System 1

SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$



GIBUU: SYSTEM 1

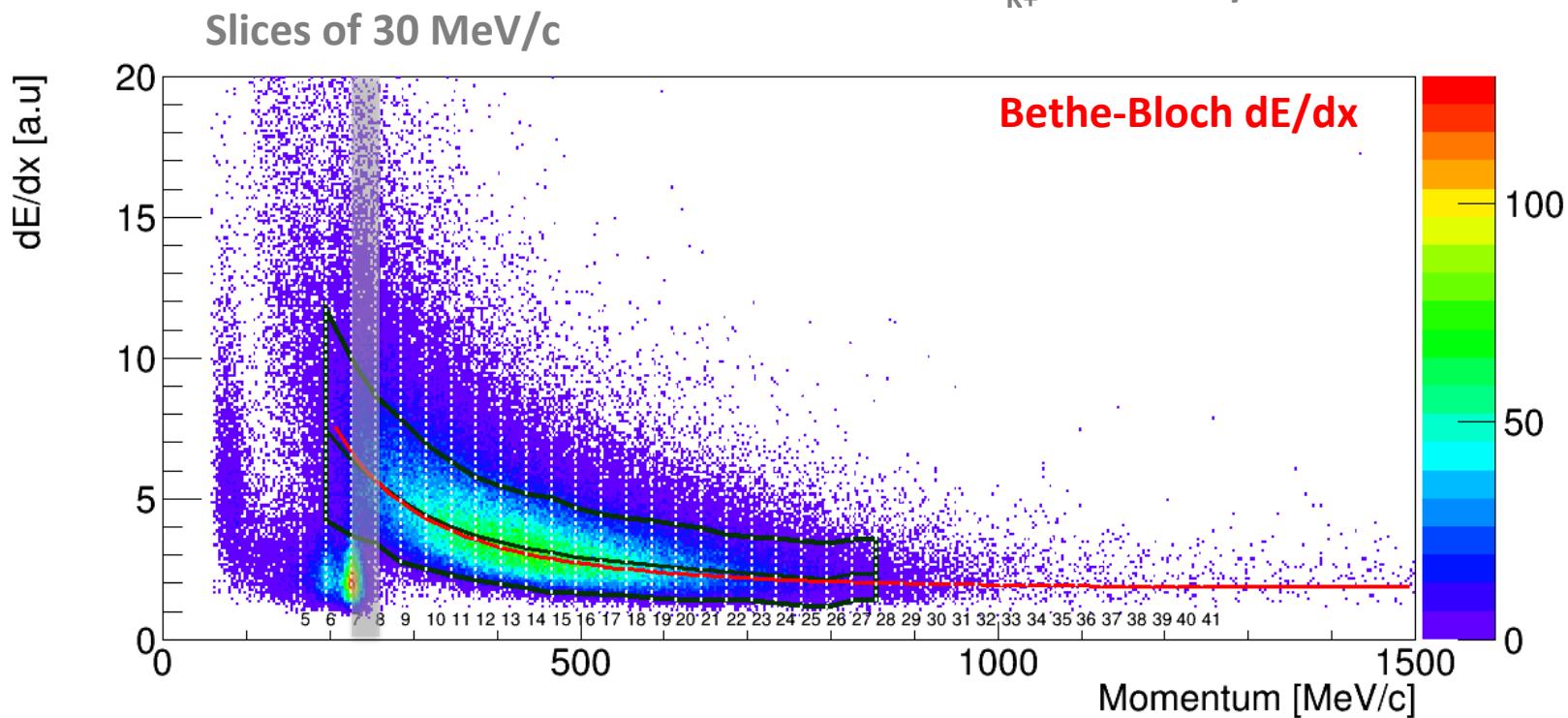


PID Selection Procedure

GiBUU: π^-W (w.o. energy loss correction)

System 1

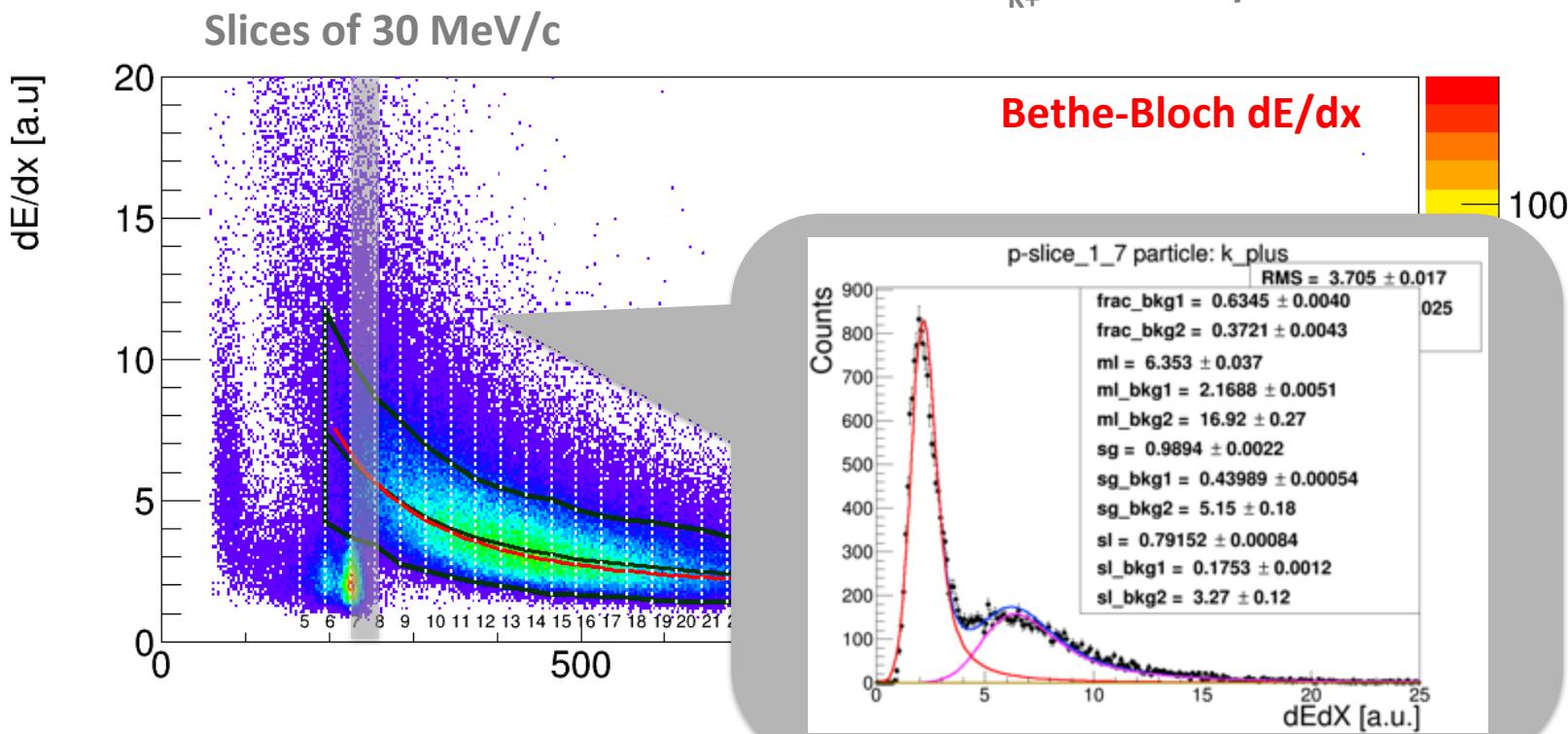
SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$



PID Selection Procedure

GiBUU: π^-W (w.o. energy loss correction)

System 0

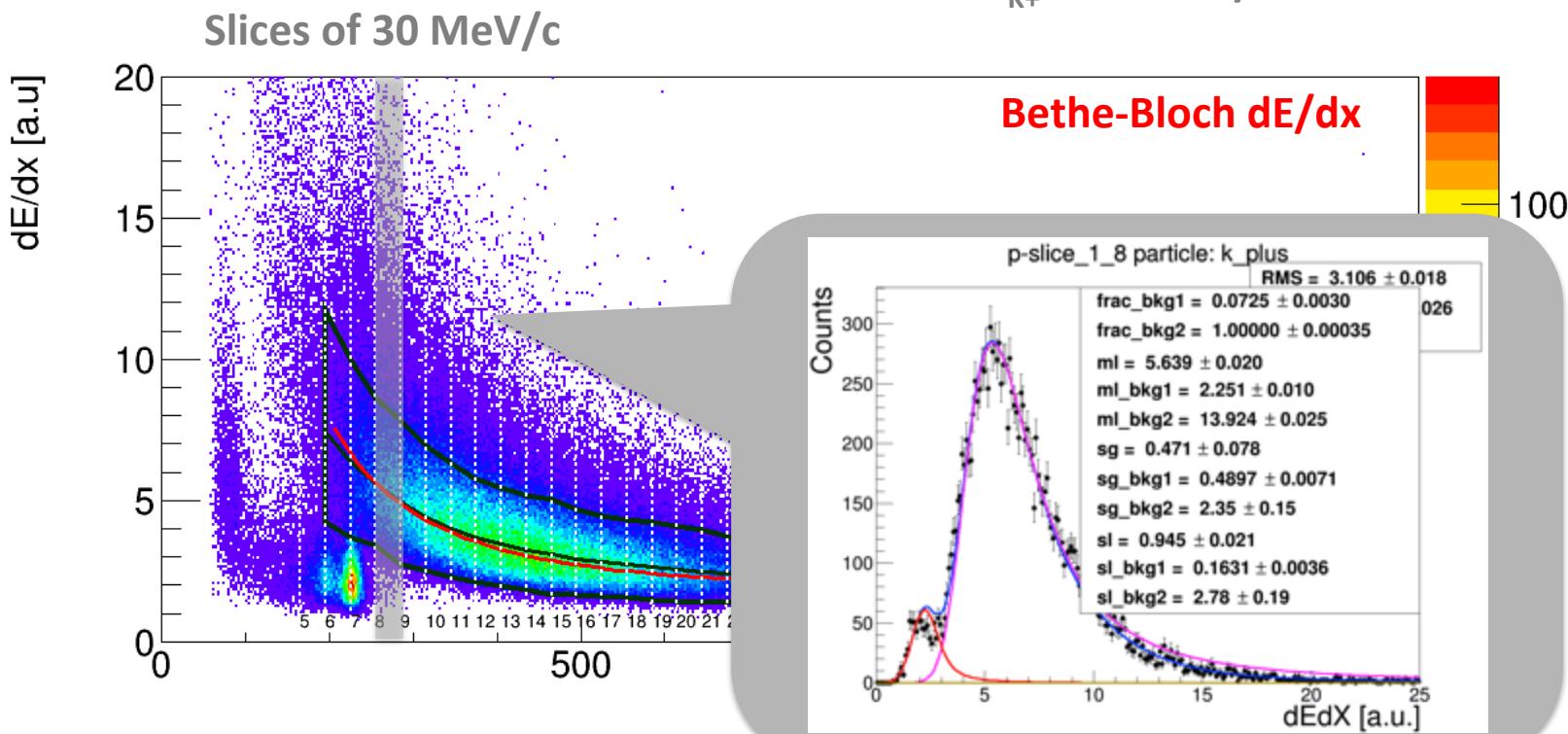


SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

PID Selection Procedure

GiBUU: π^-W (w.o. energy loss correction)

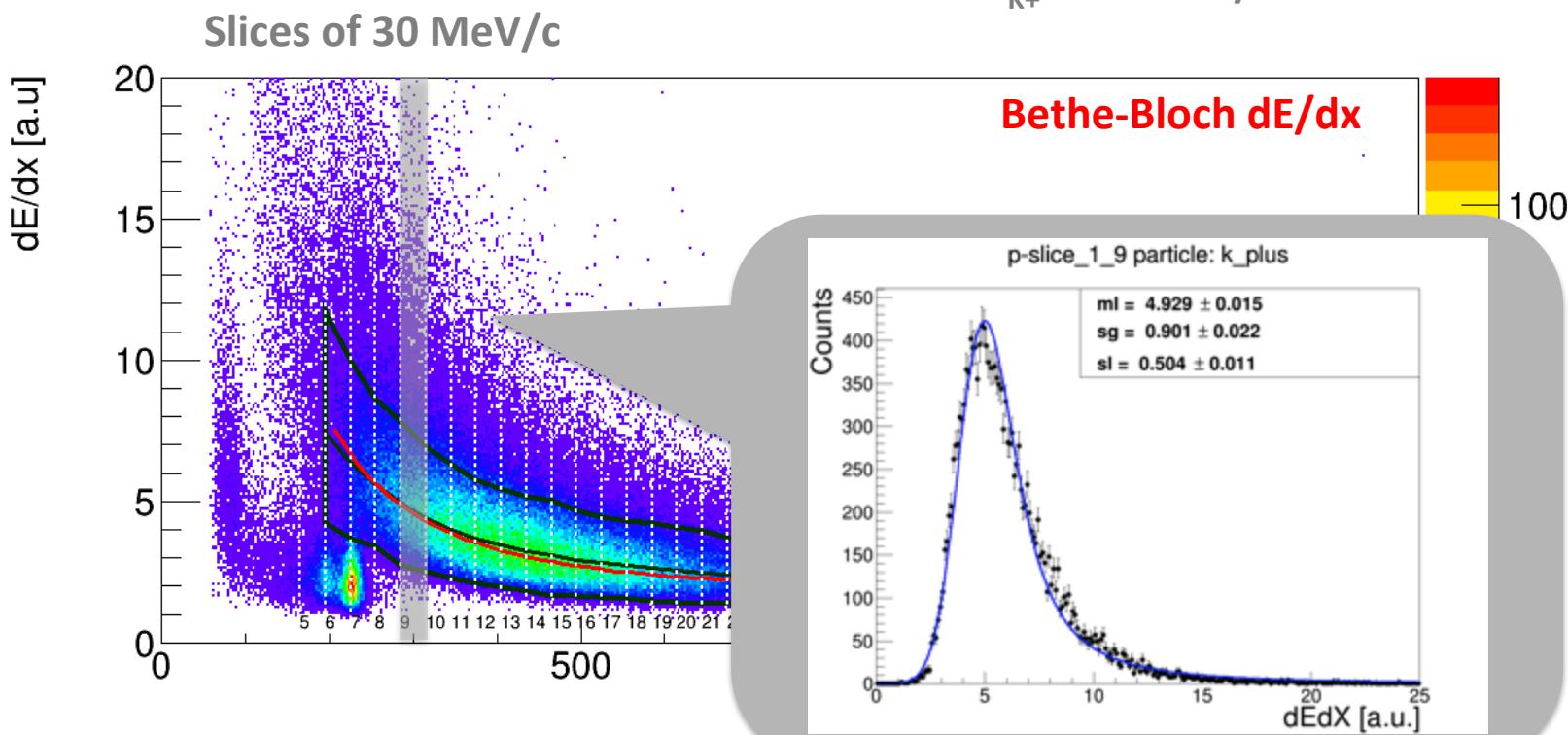
System 0



PID Selection Procedure

GiBUU: π^-W (w.o. energy loss correction)

System 0

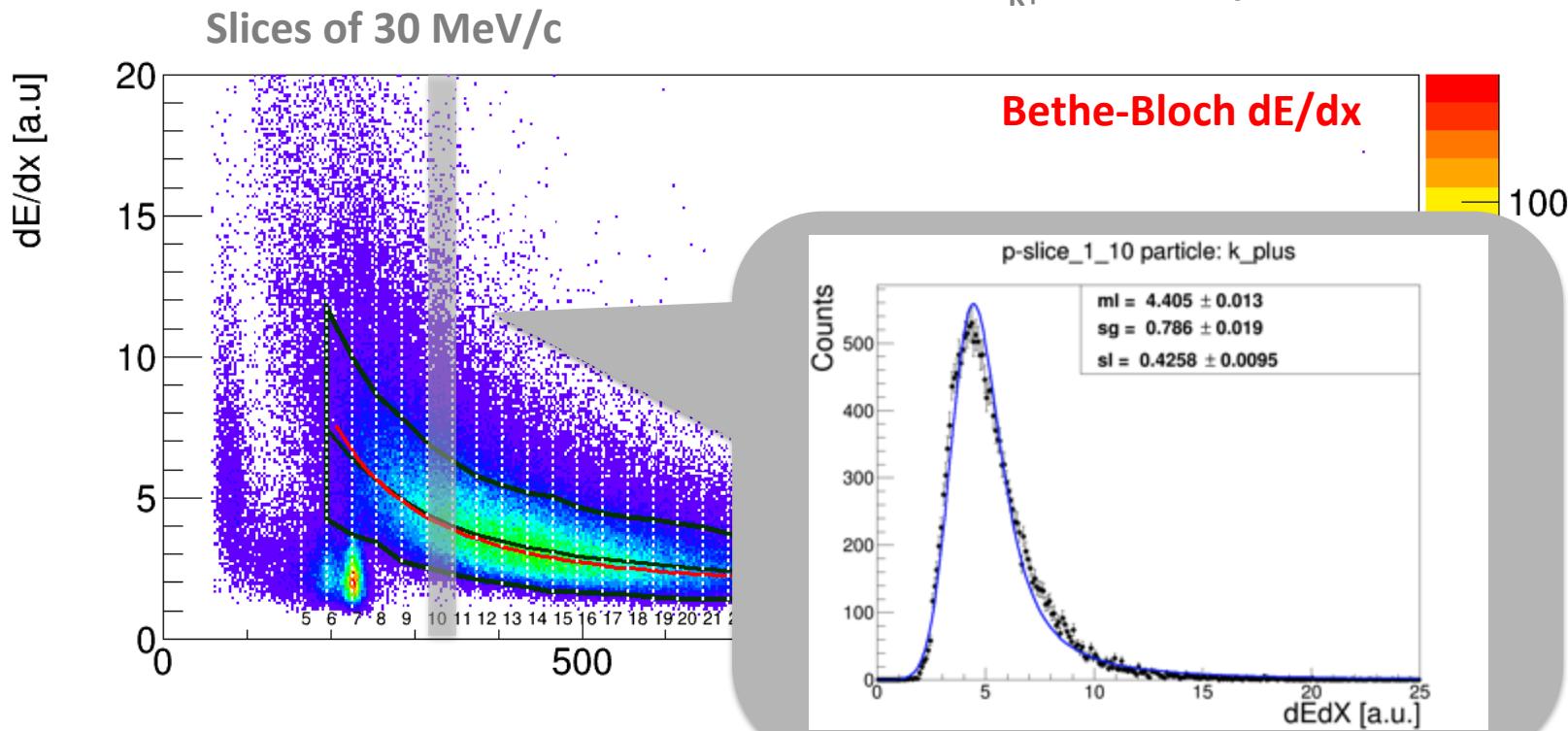


PID Selection Procedure

GiBUU: π^-W (w.o. energy loss correction)

System 0

SELECTION of Kaons:
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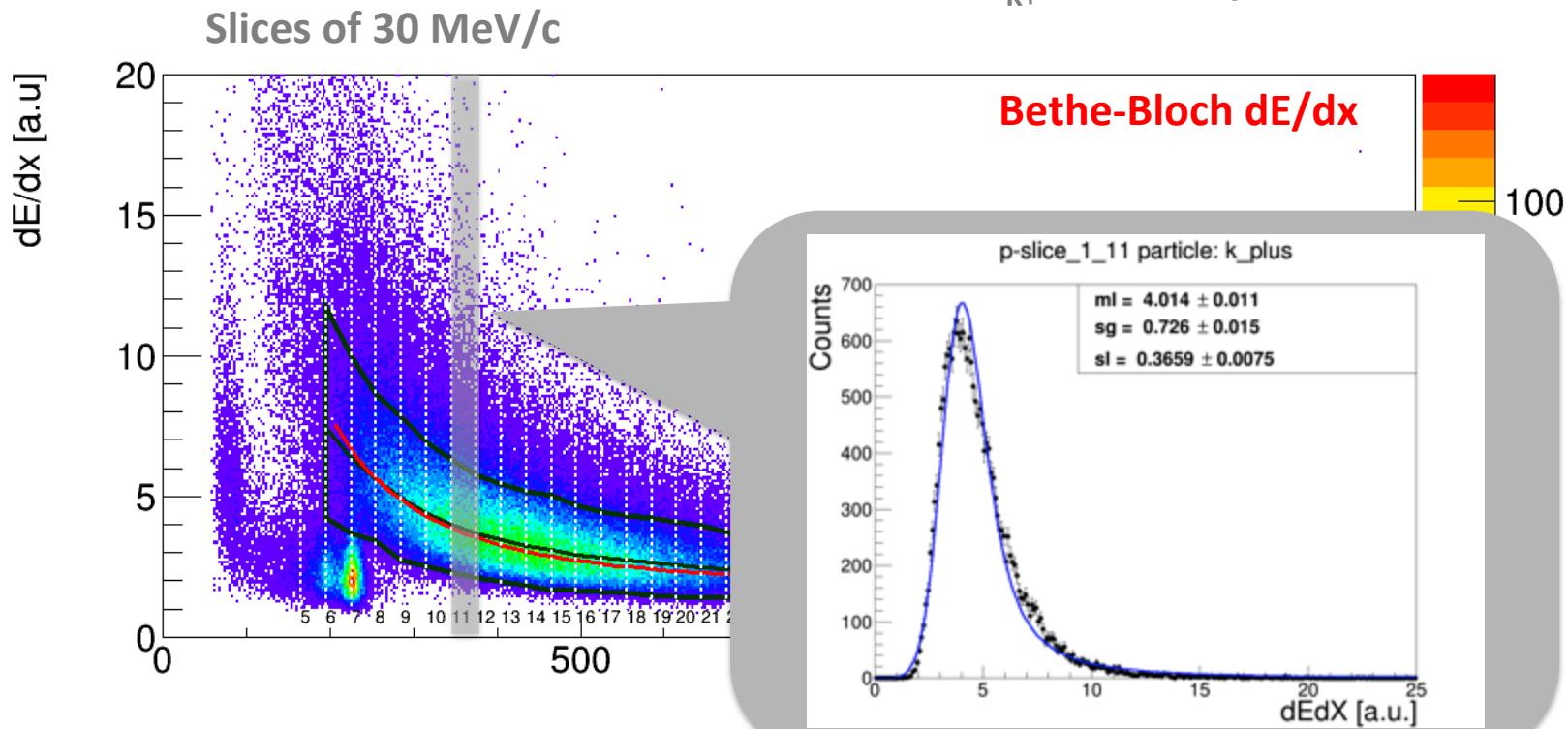


PID Selection Procedure

GiBUU: π^-W (w.o. energy loss correction)

System 0

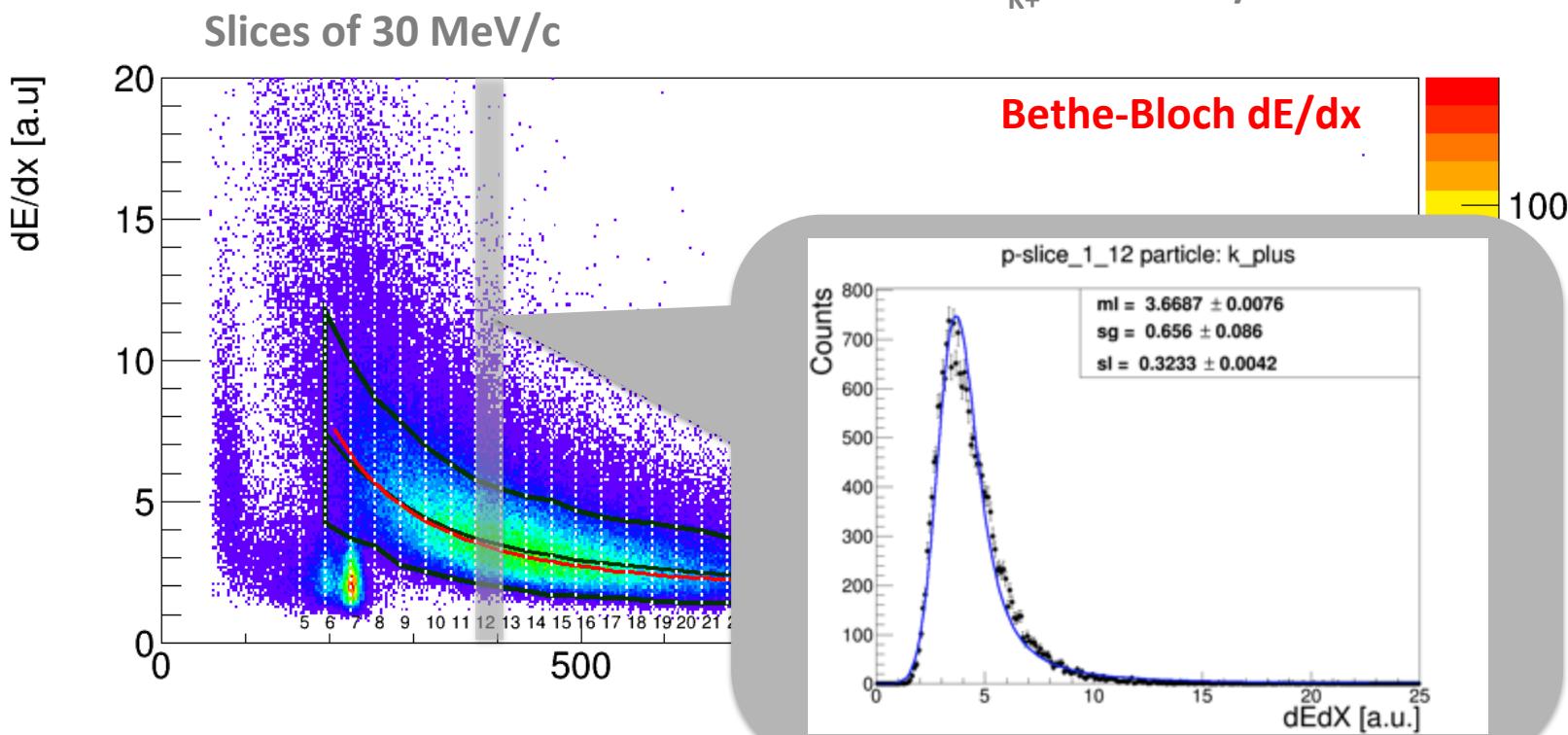
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GiBUU: π^-W (w.o. energy loss correction)

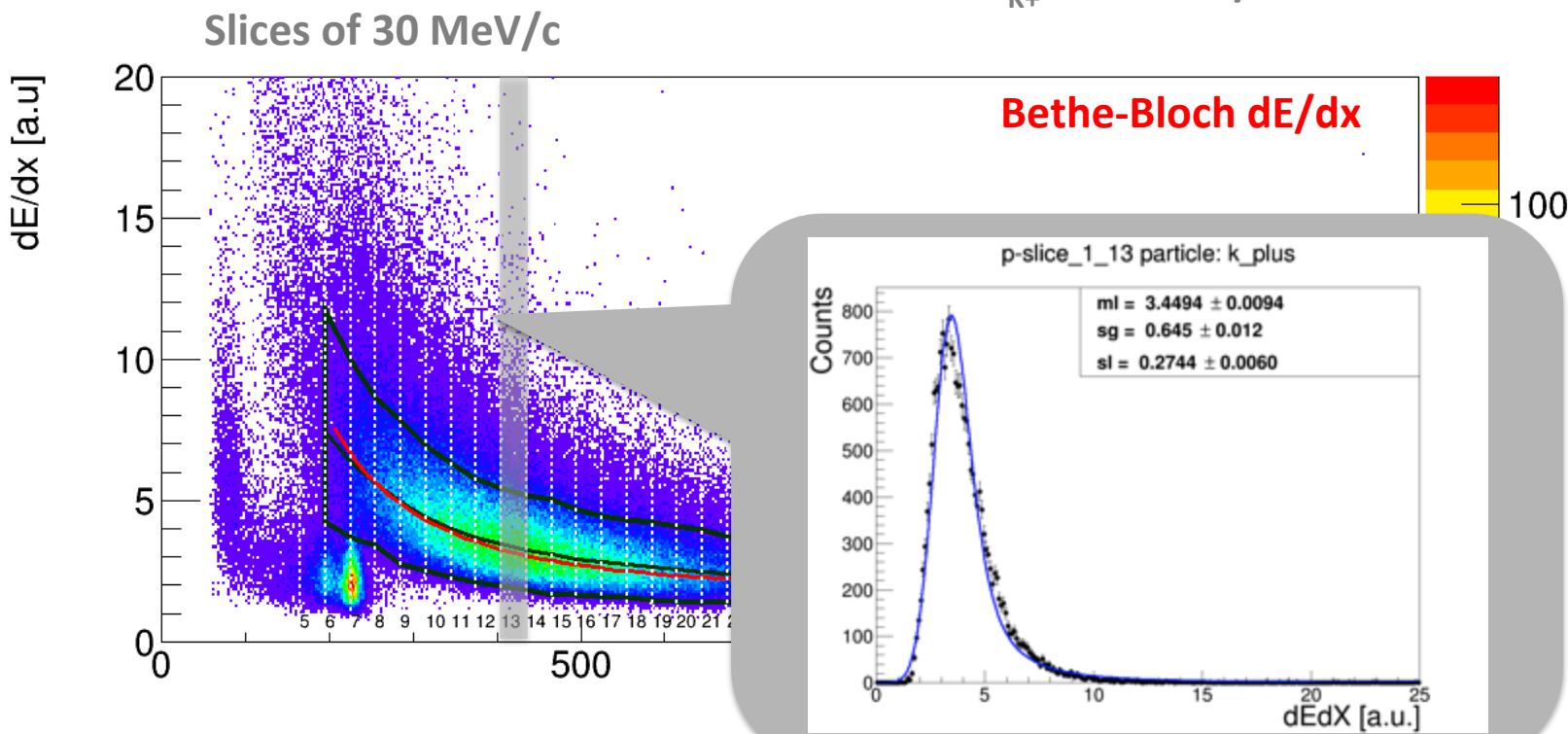
System 0



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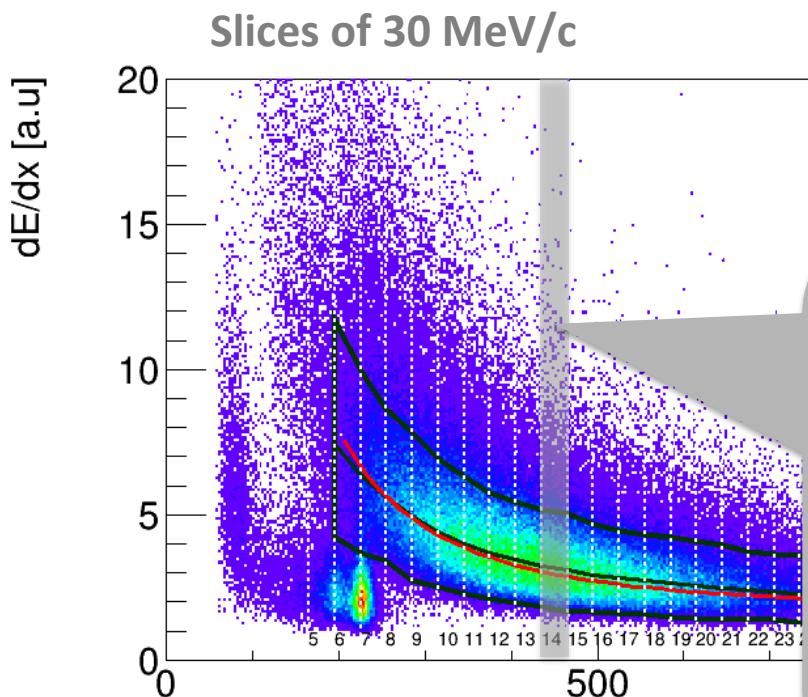
System 0



PID Selection Procedure

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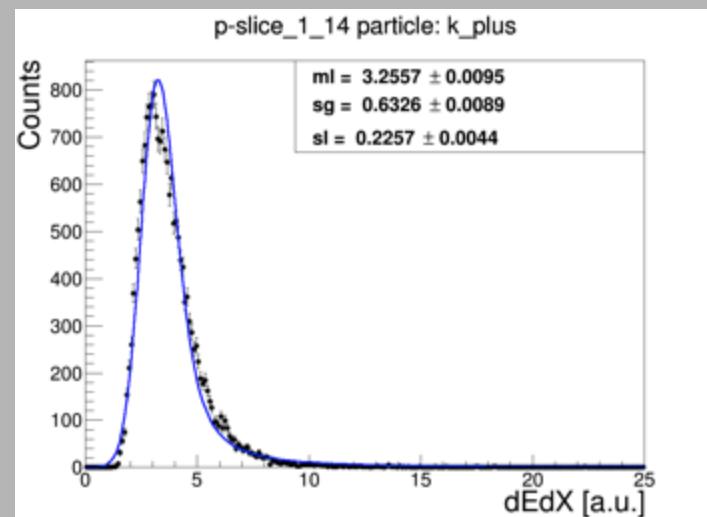
System 0



SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

Bethe-Bloch dE/dx

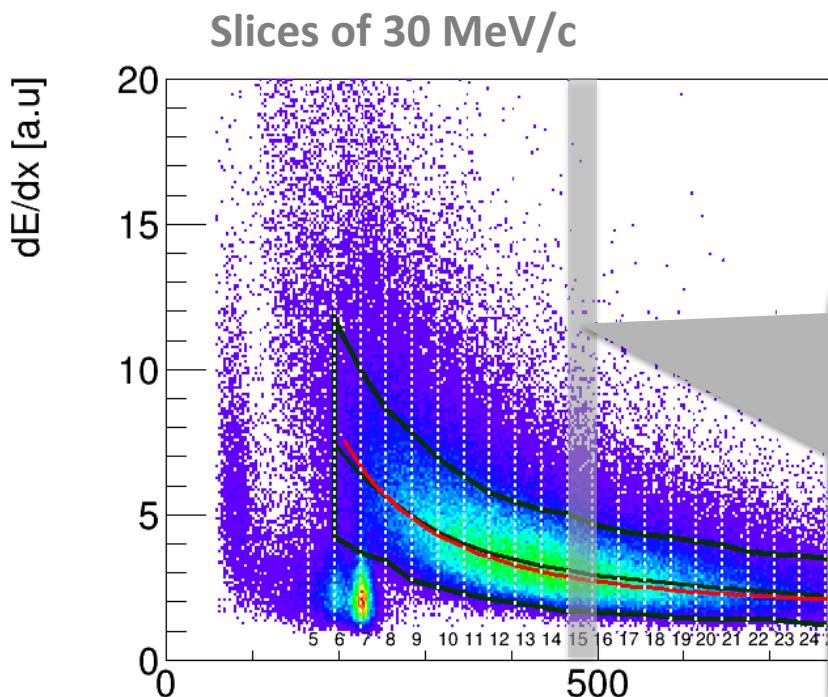
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PID Selection Procedure

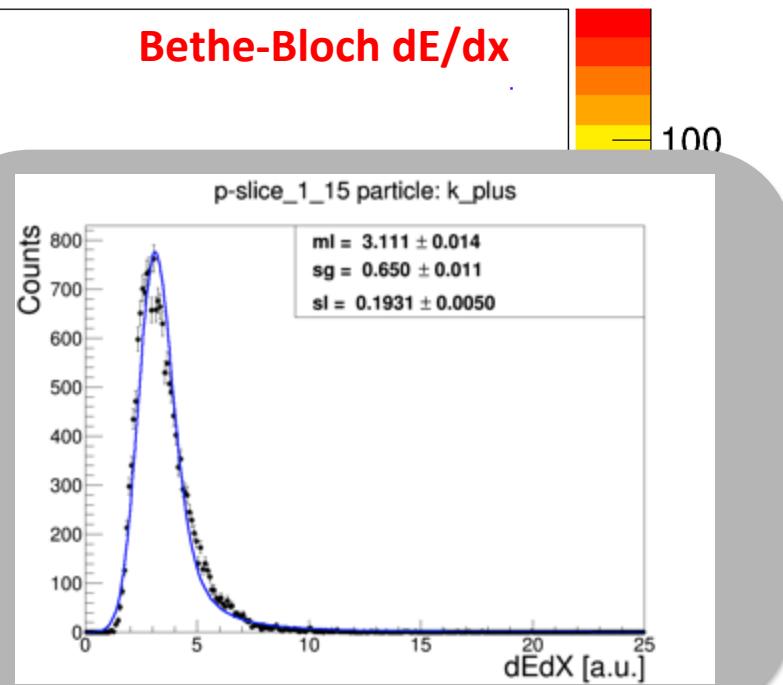
GiBUU: π^-W (w.o. energy loss correction)

System 0



SELECTION of Kaons:
 $M_{K+} \pm 50 \text{ MeV}/c^2$

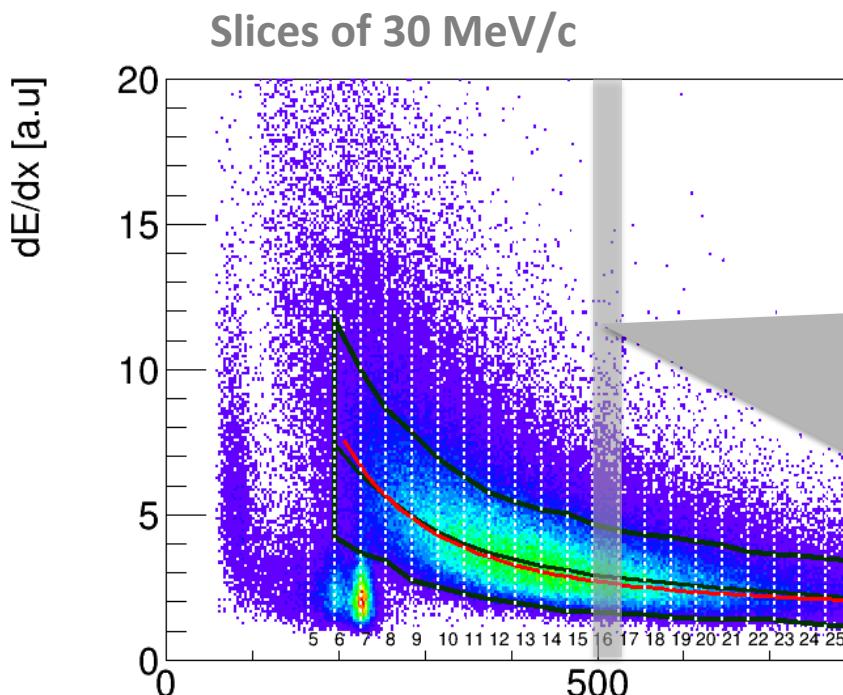
Bethe-Bloch dE/dx



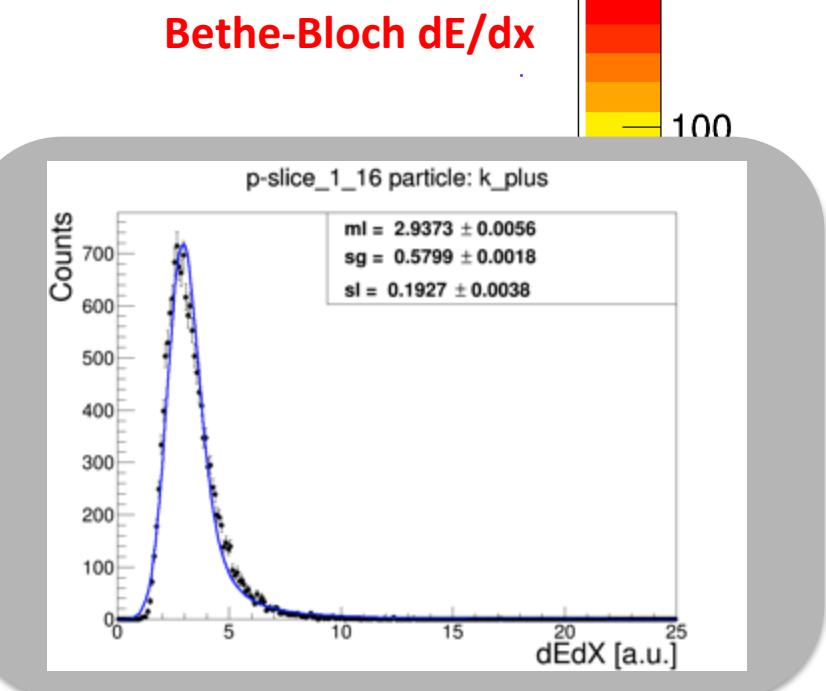
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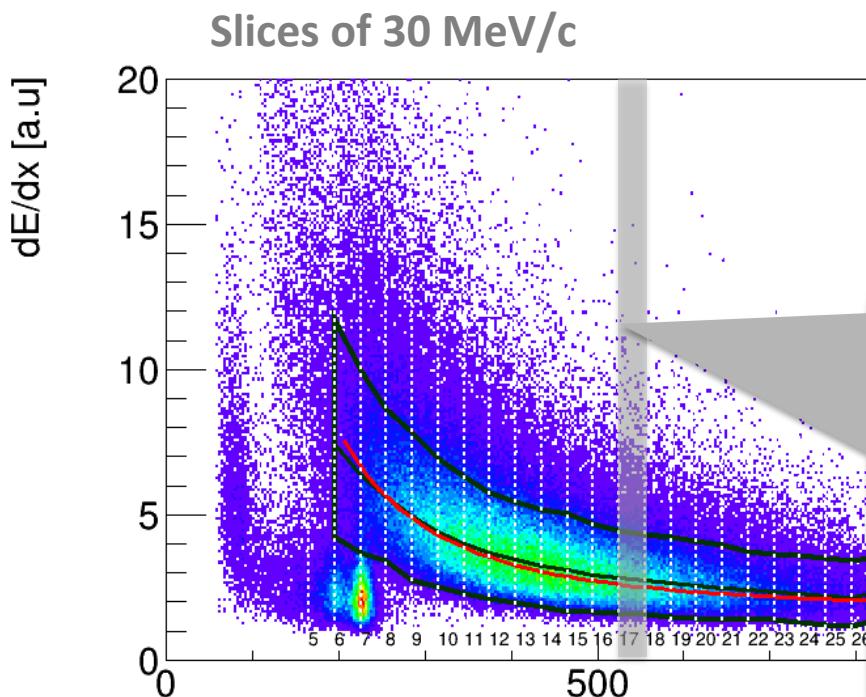
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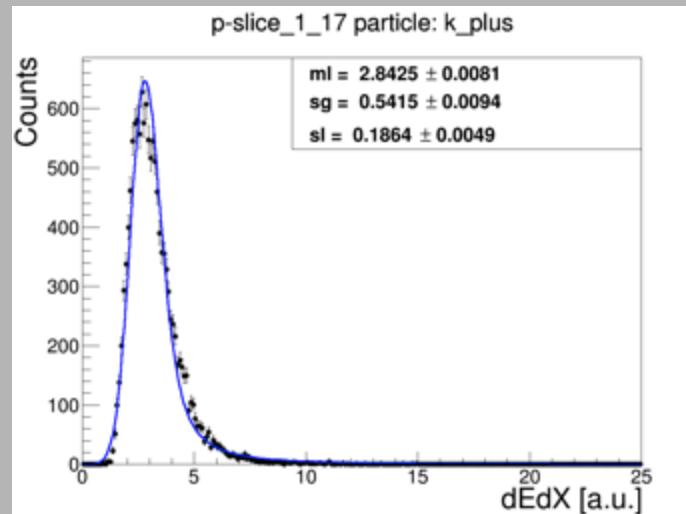
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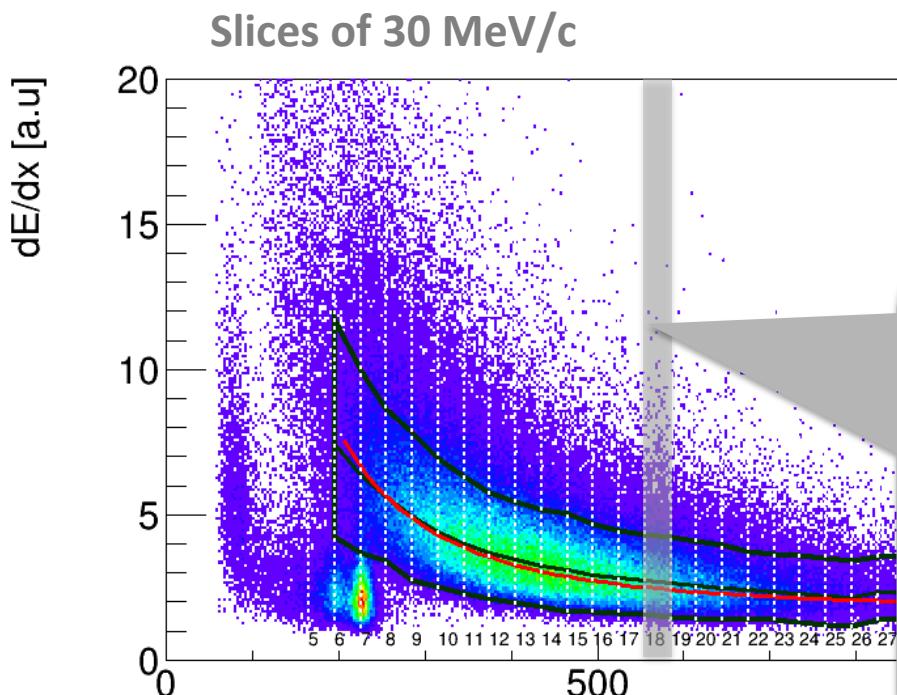
Bethe-Bloch dE/dx



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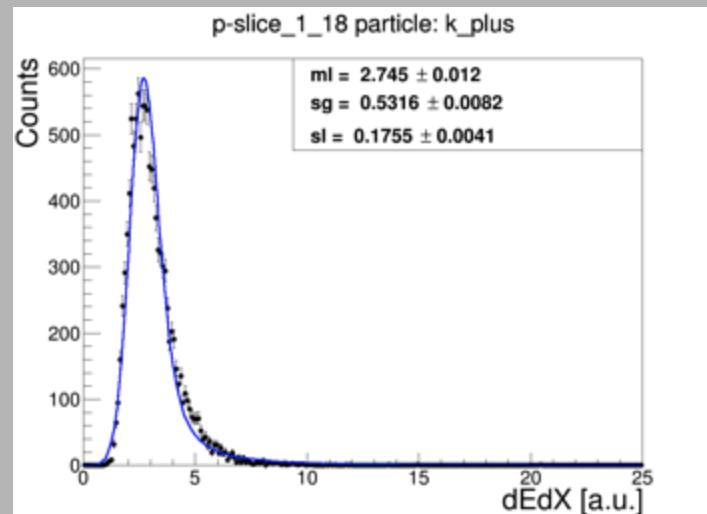
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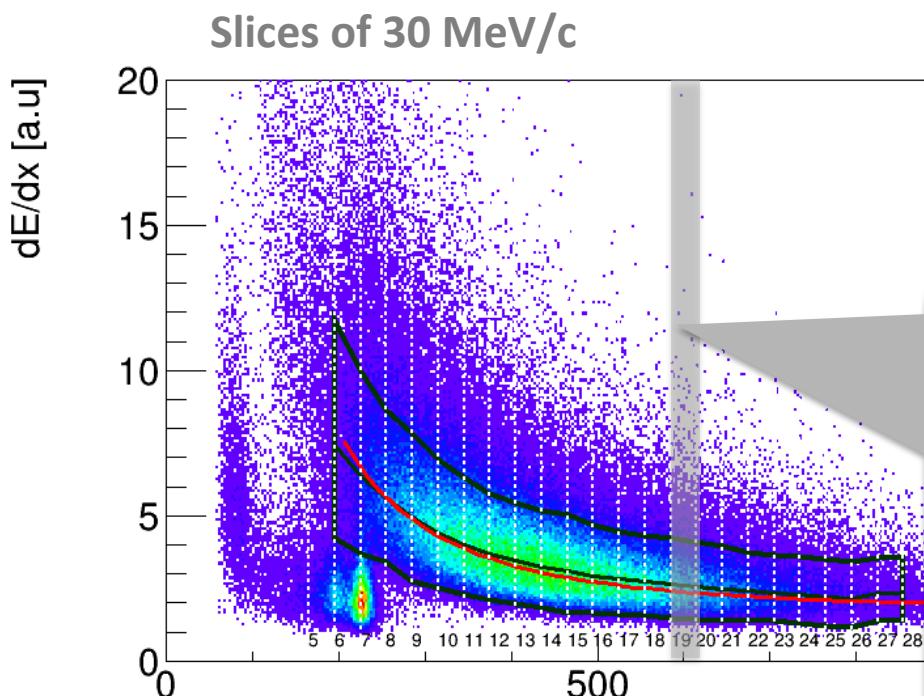
Bethe-Bloch dE/dx



PID Selection Procedure

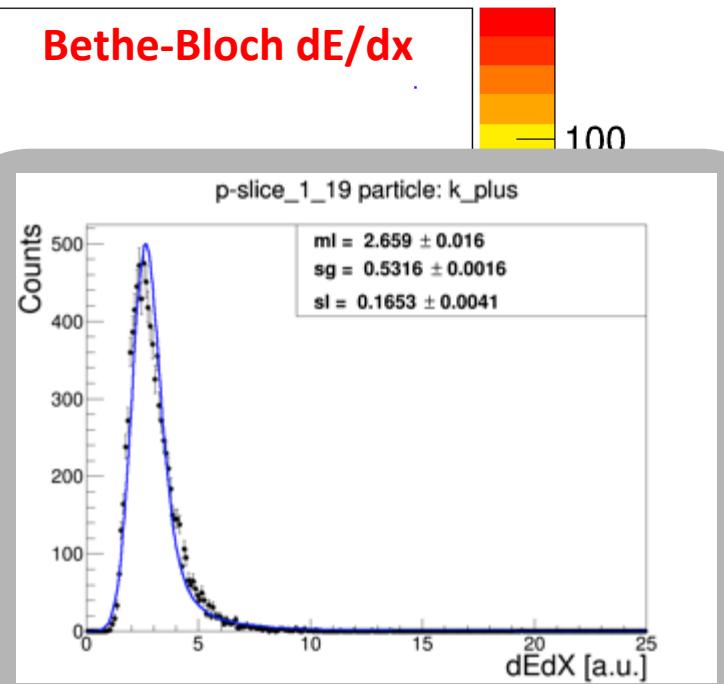
GiBUU: π^-W (w.o. energy loss correction)

System 0



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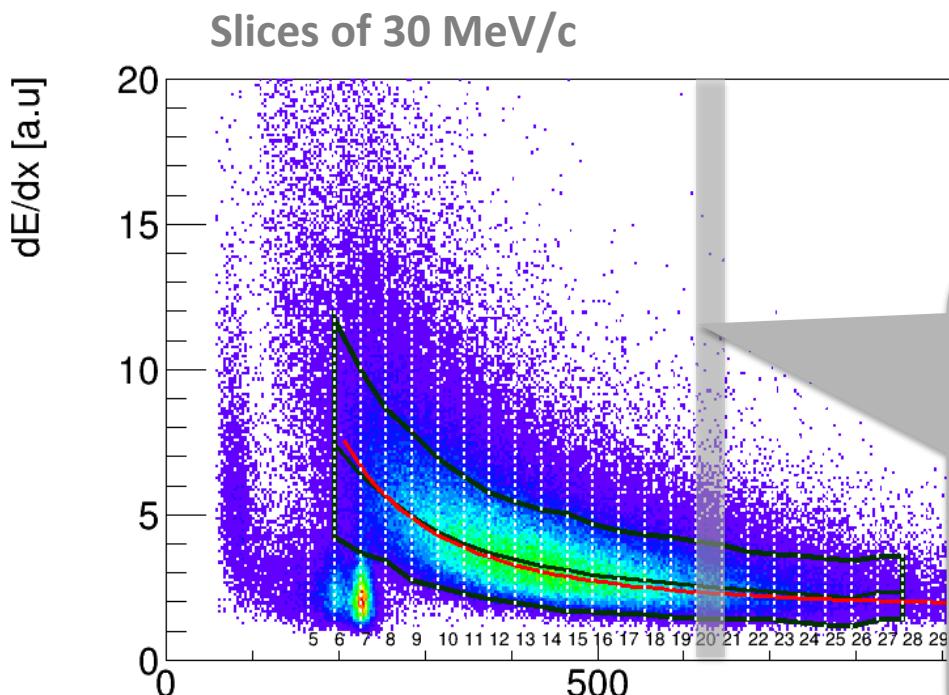
Bethe-Bloch dE/dx



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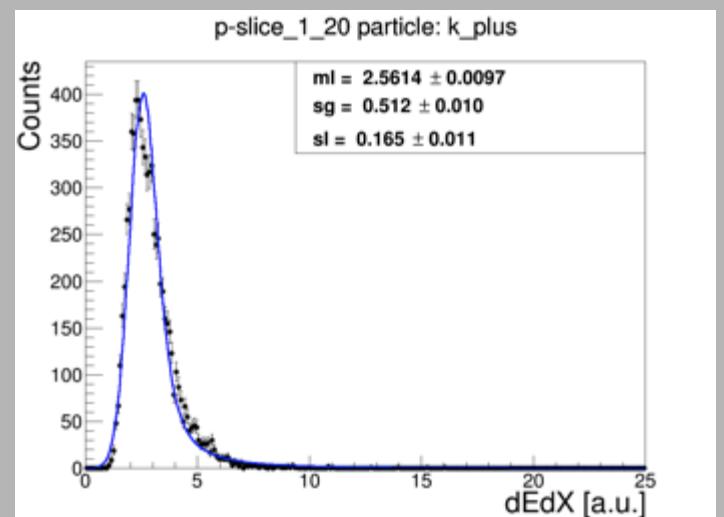
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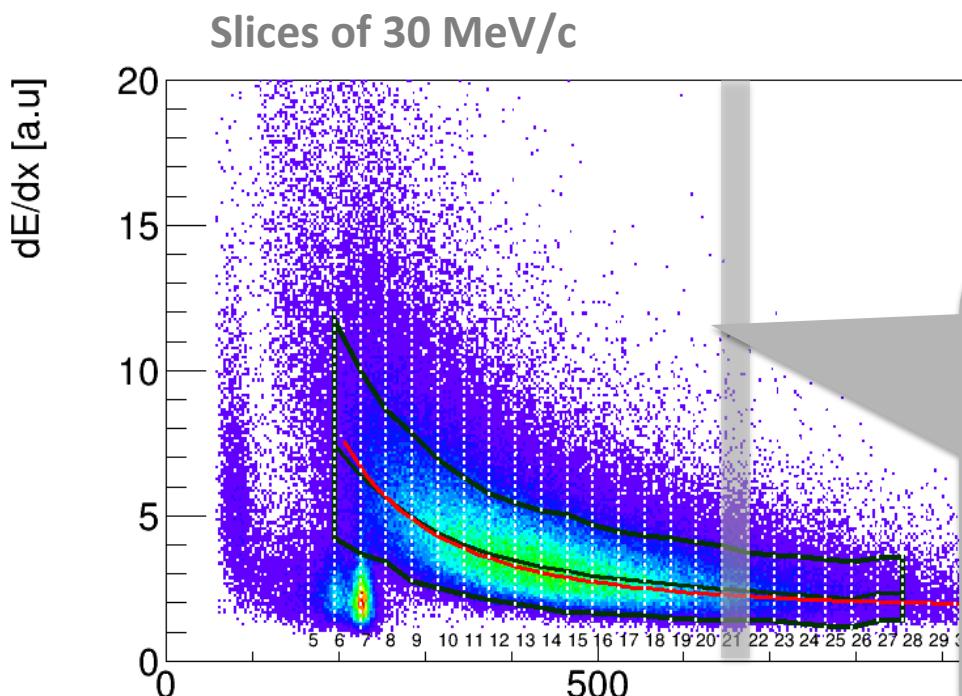
Bethe-Bloch dE/dx



PID Selection Procedure

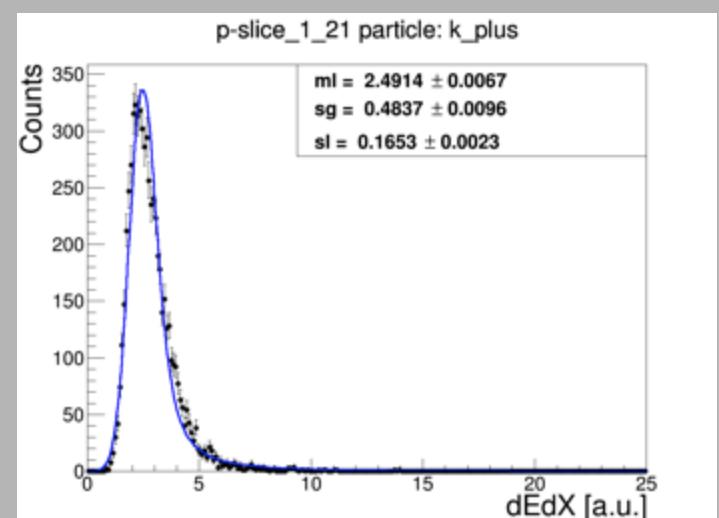
GiBUU: π^-W (w.o. energy loss correction)

System 0



SELECTION of Kaons:
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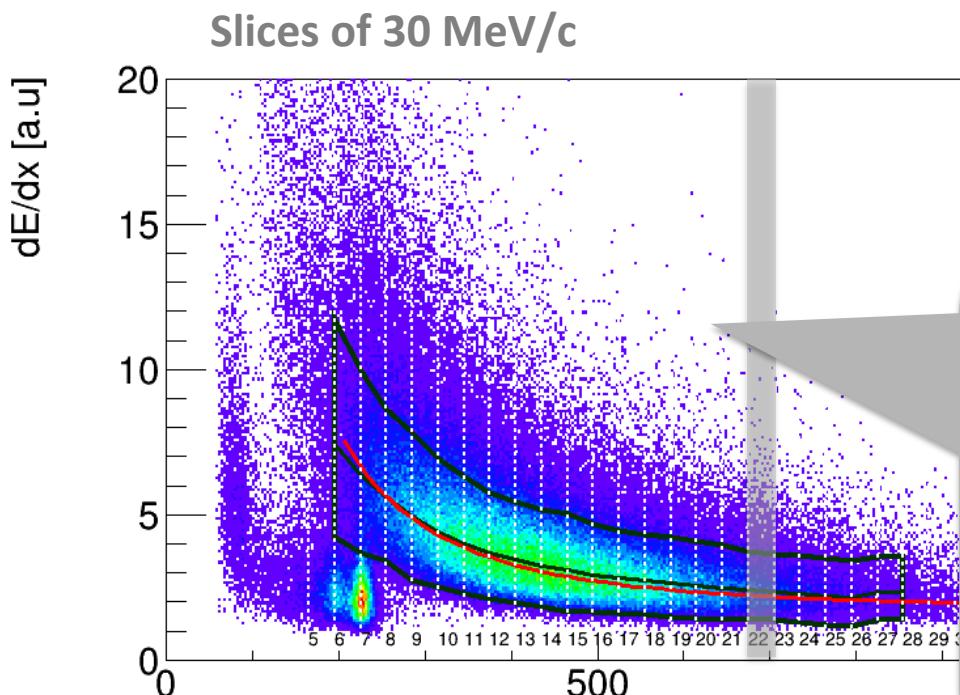
Bethe-Bloch dE/dx



PID Selection Procedure

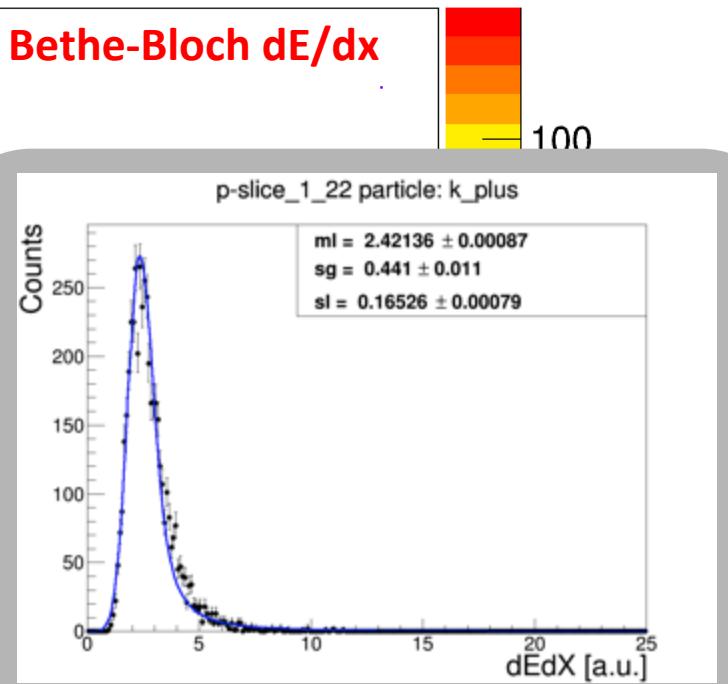
GiBUU: π^-W (w.o. energy loss correction)

System 0



SELECTION of Kaons:
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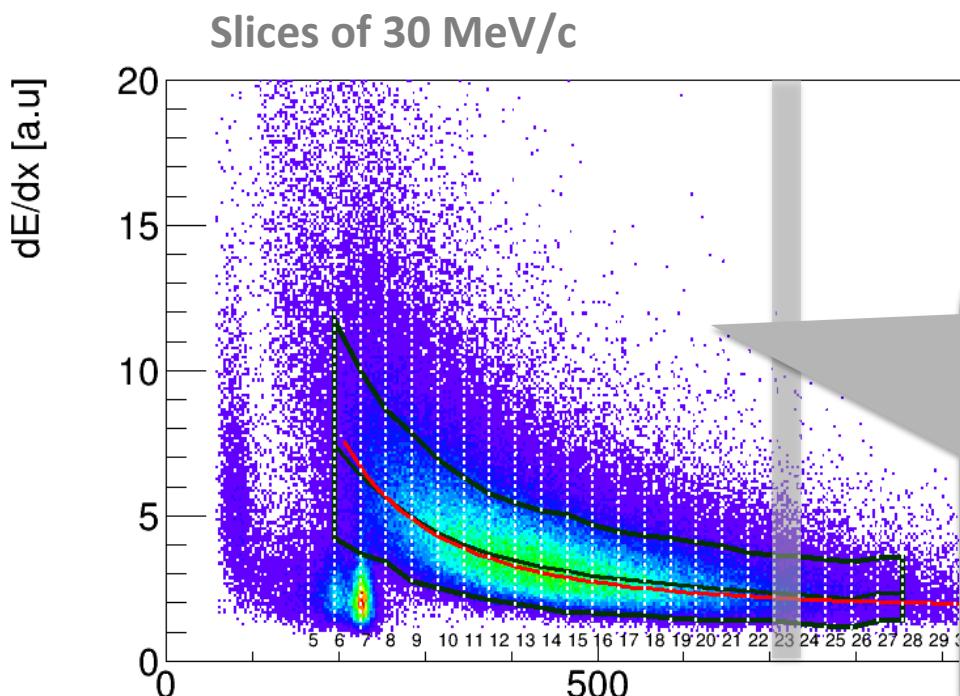
Bethe-Bloch dE/dx



PID Selection Procedure

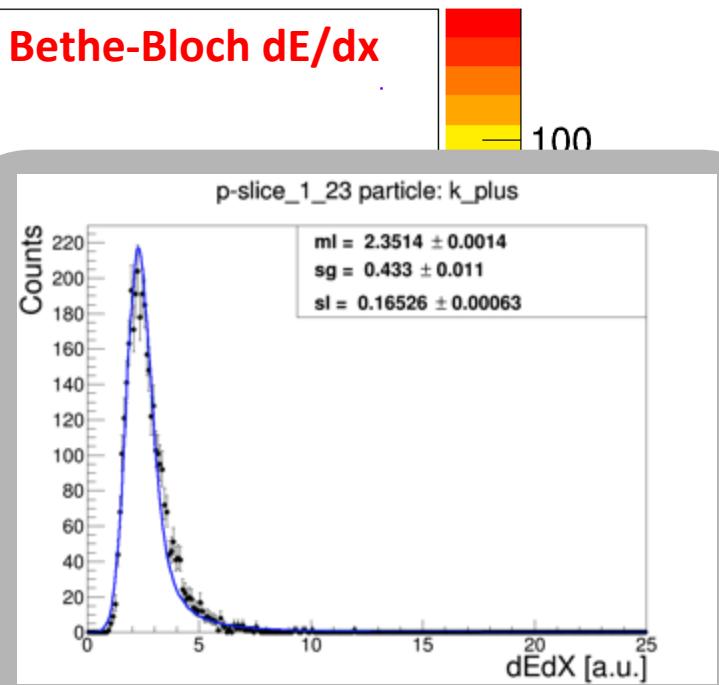
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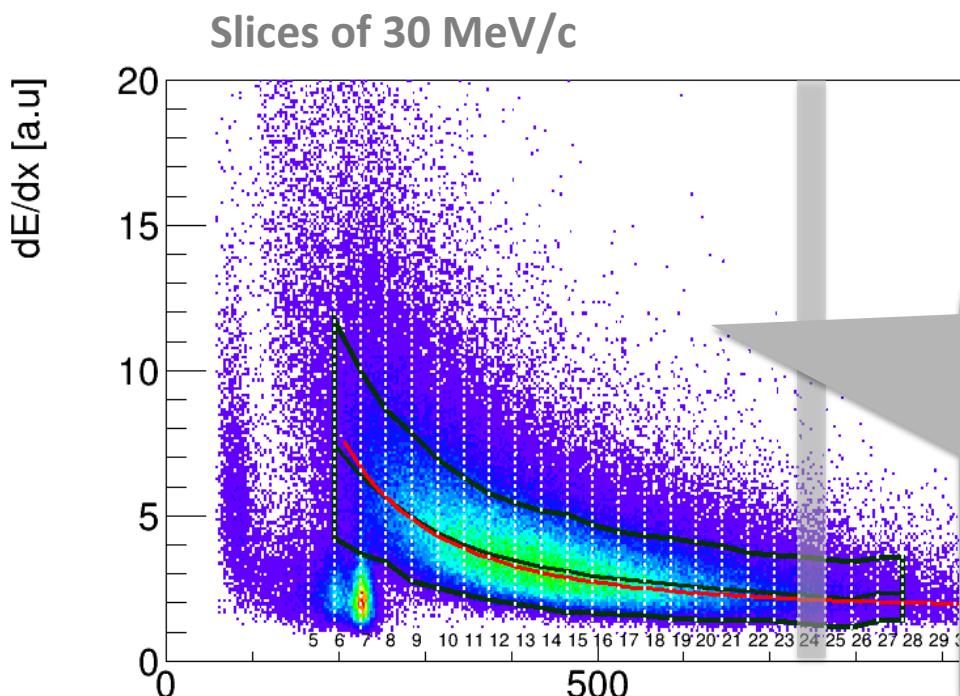
Bethe-Bloch dE/dx



PID Selection Procedure

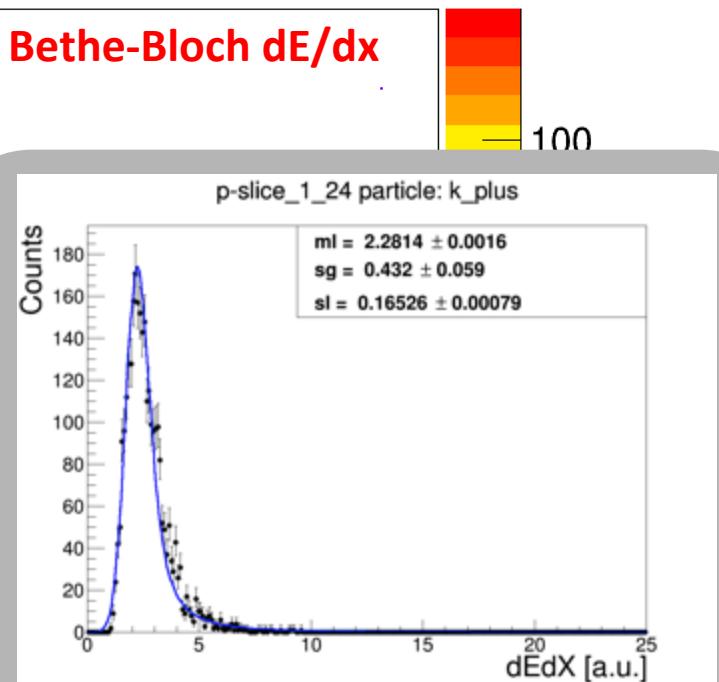
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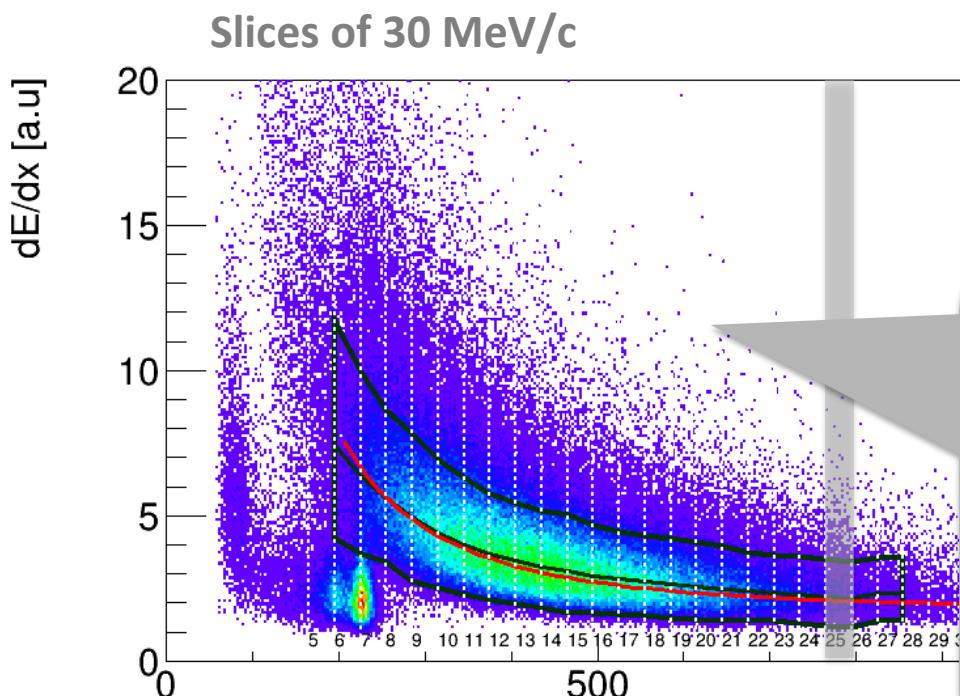
Bethe-Bloch dE/dx



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GiBUU: π^-W (w.o. energy loss correction)

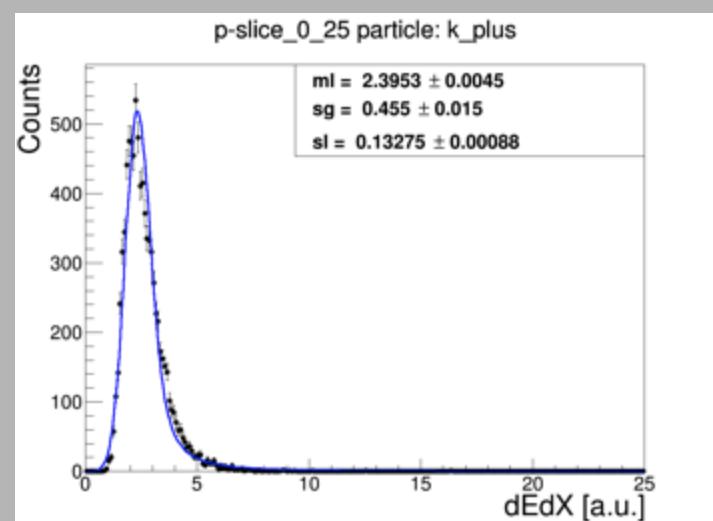
System 0



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 $M_{K+} \pm 50 \text{ MeV}/c^2$

Bethe-Bloch dE/dx

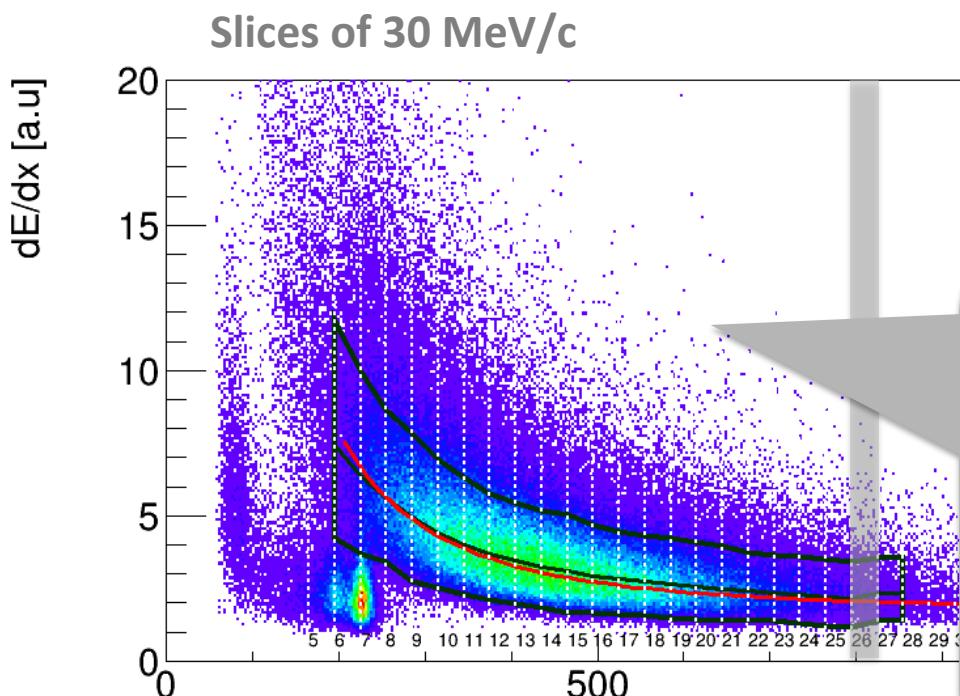
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PID Selection Procedure

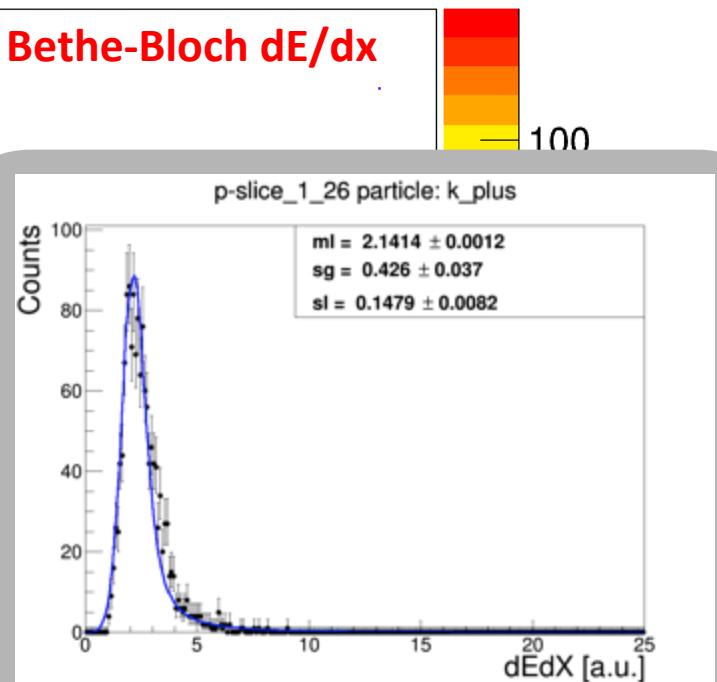
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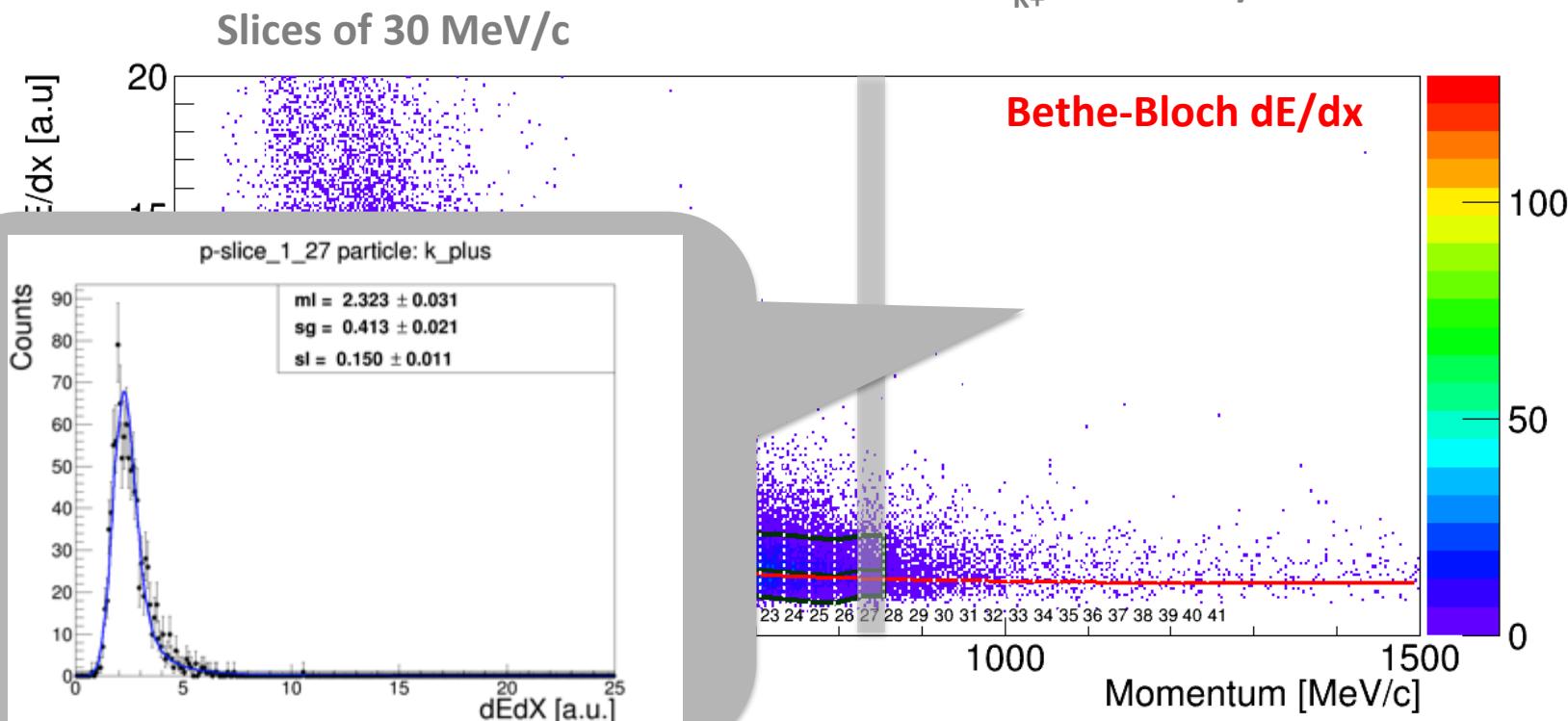


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