Subject: Re: Influence of the reduced B-field on the track reconstruction
Posted by donghee on Tue, 25 Mar 2014 13:40:23 GMT
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Hi Gianluigi,

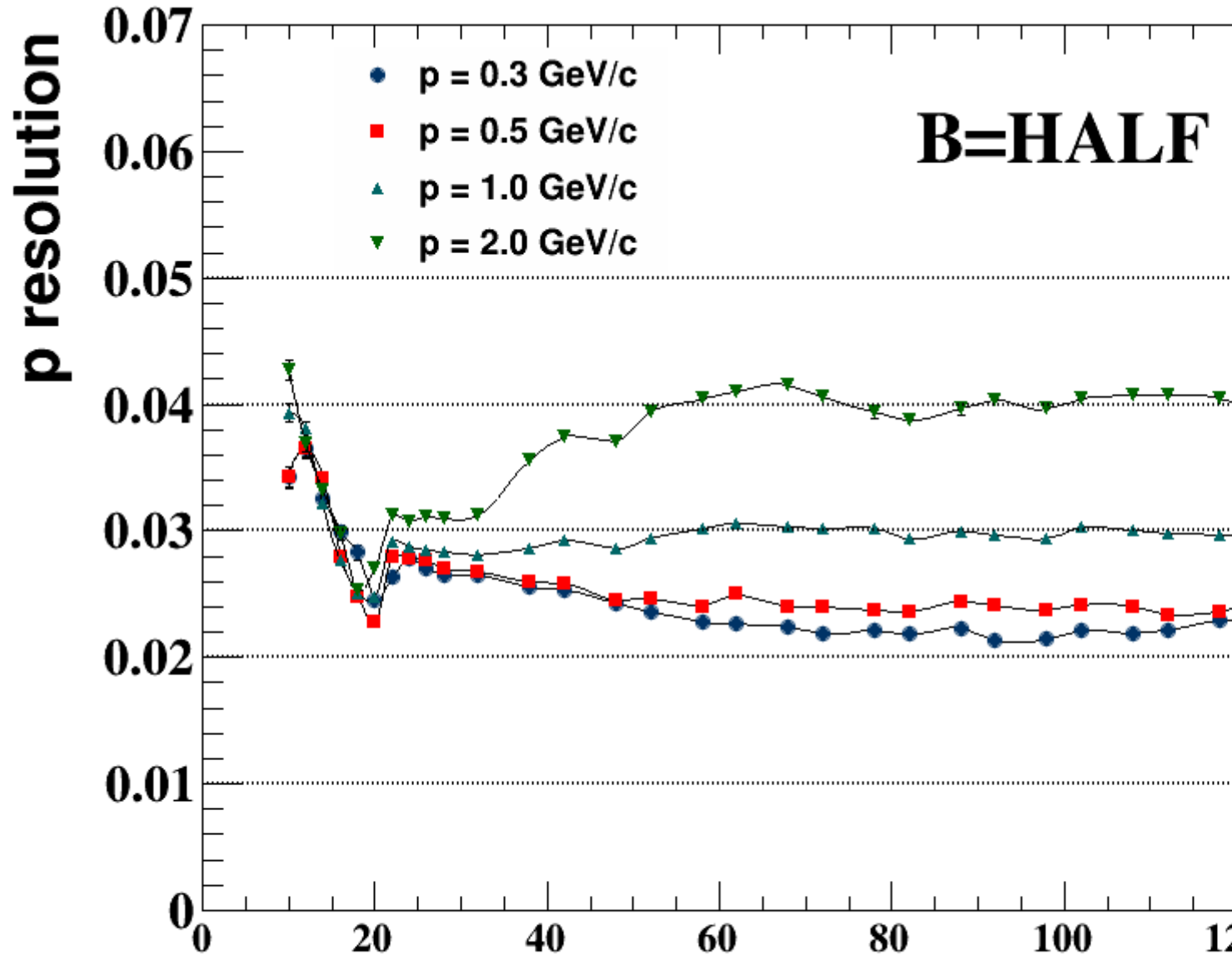
Thank you for your kind update
Introduced new code of the Pattern Recognition class PndTrkTracking2.cxx and .h has been exchanged and run again
Here is the output with new code.

The improvement is a level of few %, not so significant.
I assume that the reduced field map has lower performance than full field map, that should be a natural feature due to small bending power of produced particle inside solenoid field.
It would be great to check again same study with an important physics channel analysis.

Best wishes,
Donghee

File Attachments

1) new_summary_for_B_half.pdf, downloaded 436 times
2) new_summary_for_B_half.png, downloaded 1192 times


p resolution
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0
20
40
60
80
100
p = 0.3 GeV/c
p = 0.5 GeV/c
p = 1.0 GeV/c
p = 2.0 GeV/c
B=HALF