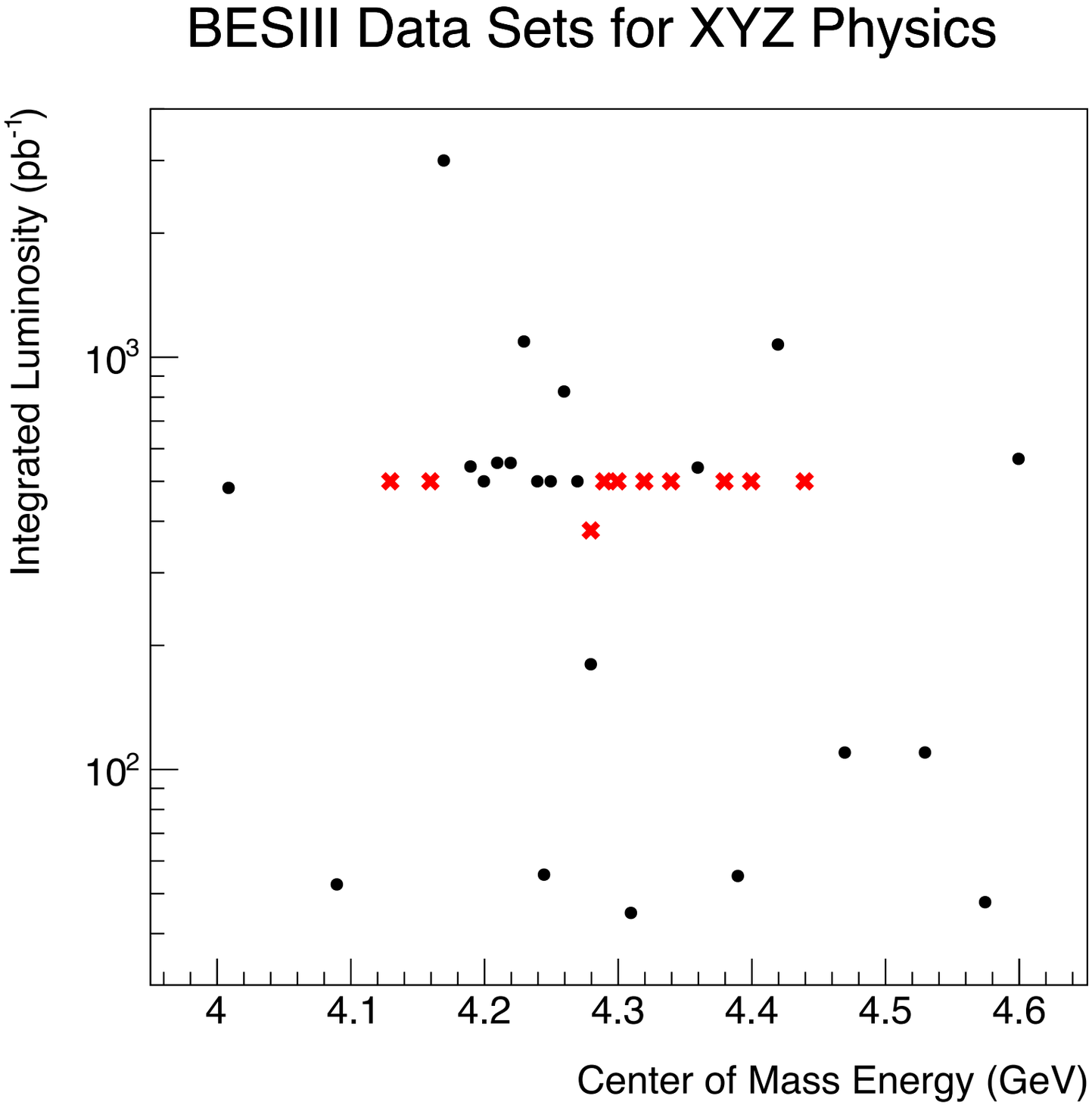
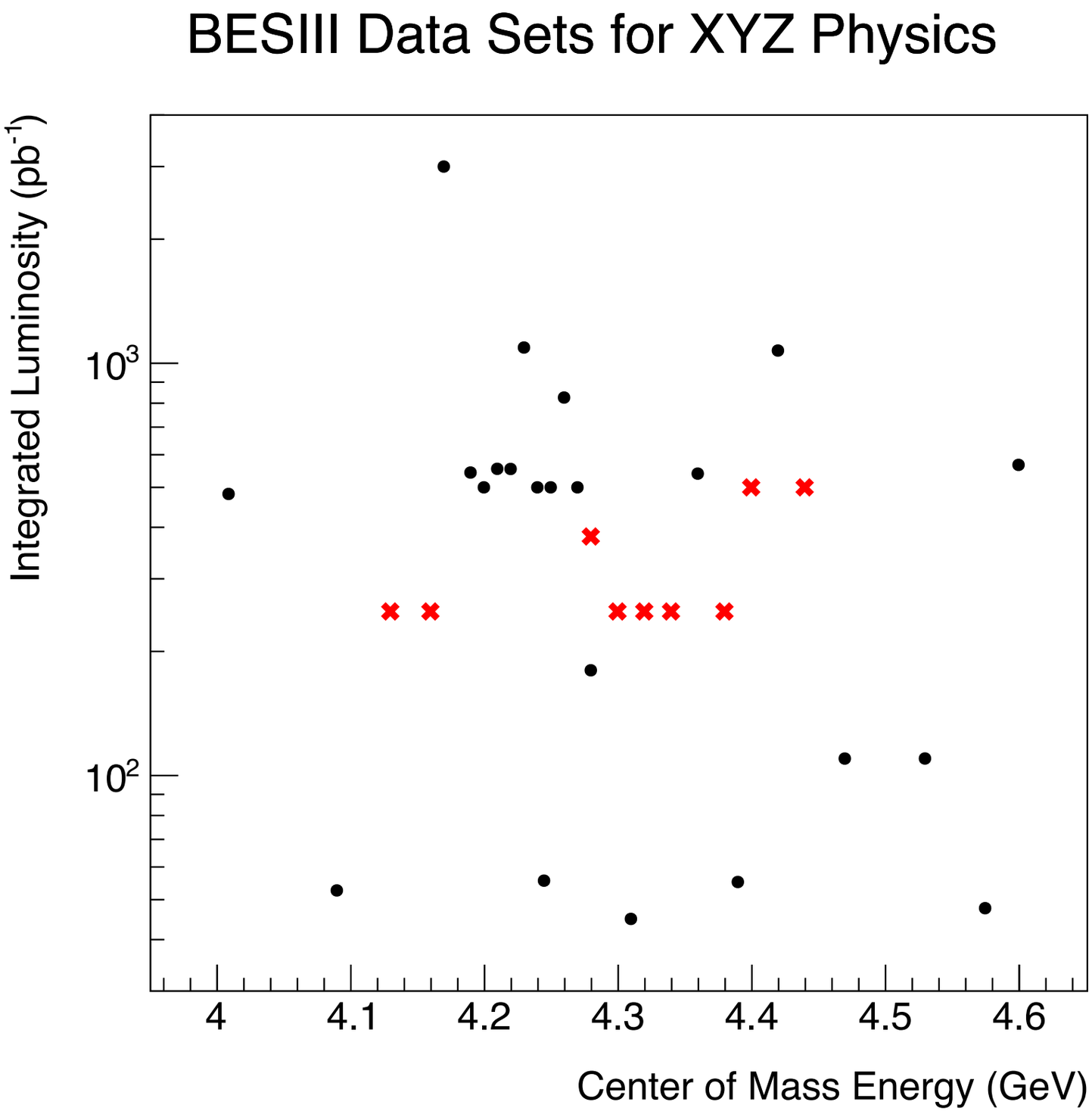
2019 XYZ Data-Taking

* Can we reduce the plan from 5 to 3fb^{-1}?

Charmonium Meeting
Ryan Mitchell
July 3, 2018

ORIGINAL	ALTERNATE I	ALTERNATE II
500 at 4130	250 at 4130	0 at 4130
500 at 4160	250 at 4160	0 at 4160
380 at 4280	380 at 4280	0 at 4280
500 at 4290	0 at 4290	500 at 4290
500 at 4300	250 at 4300	0 at 4300
500 at 4320	250 at 4320	500 at 4320
500 at 4340	250 at 4340	500 at 4340
500 at 4380	250 at 4380	500 at 4380
500 at 4400	500 at 4400	500 at 4400
500 at 4440	500 at 4440	500 at 4440
TOTAL = 4880	TOTAL = 2880	TOTAL = 3000


BESIII Data Sets for XYZ Physics
Integrated Luminosity (pb^{-1})
10^3
10^2
4
4.1
4.2
4.3
4.4
4.5
4.6
Center of Mass Energy (GeV)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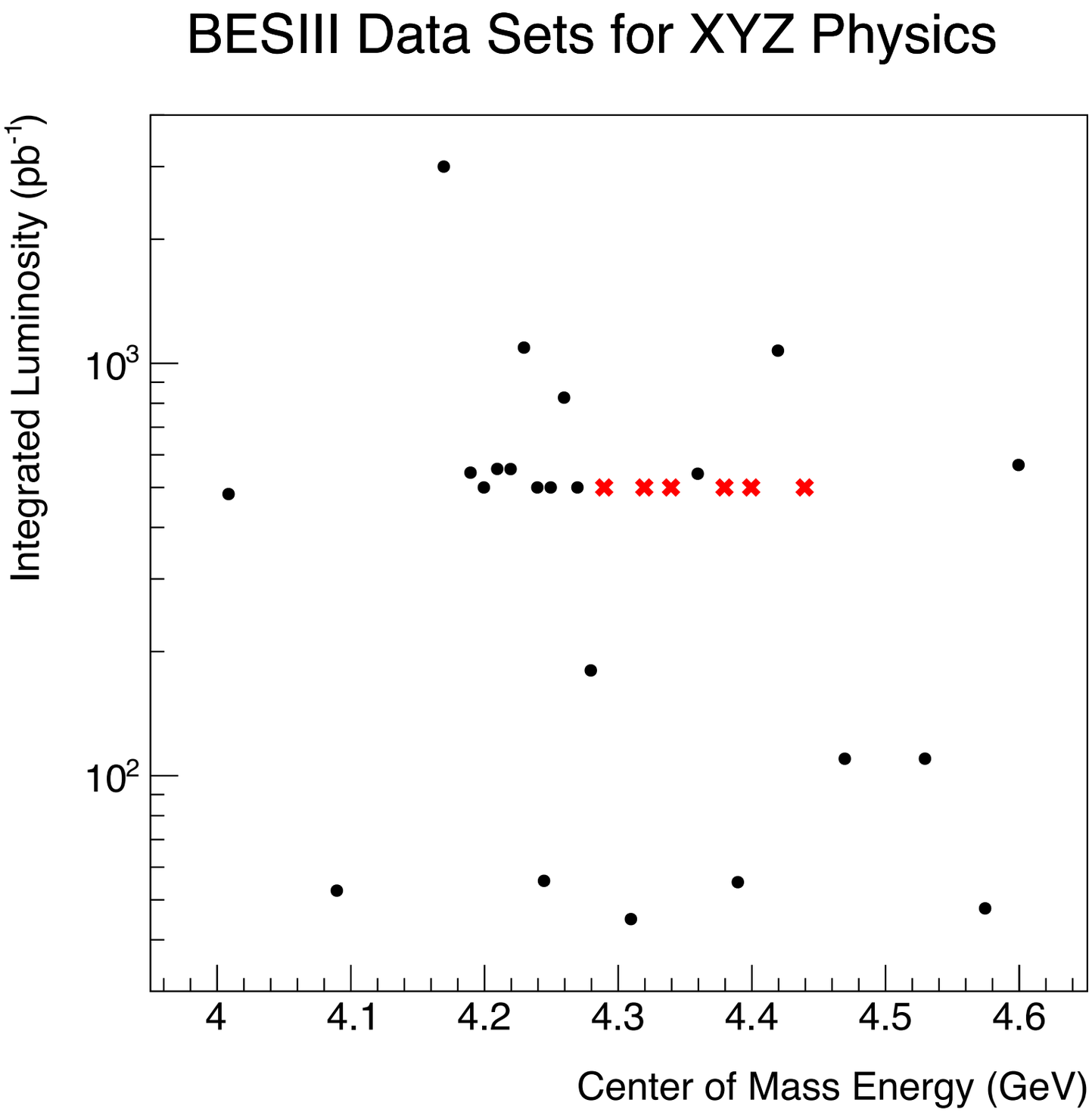
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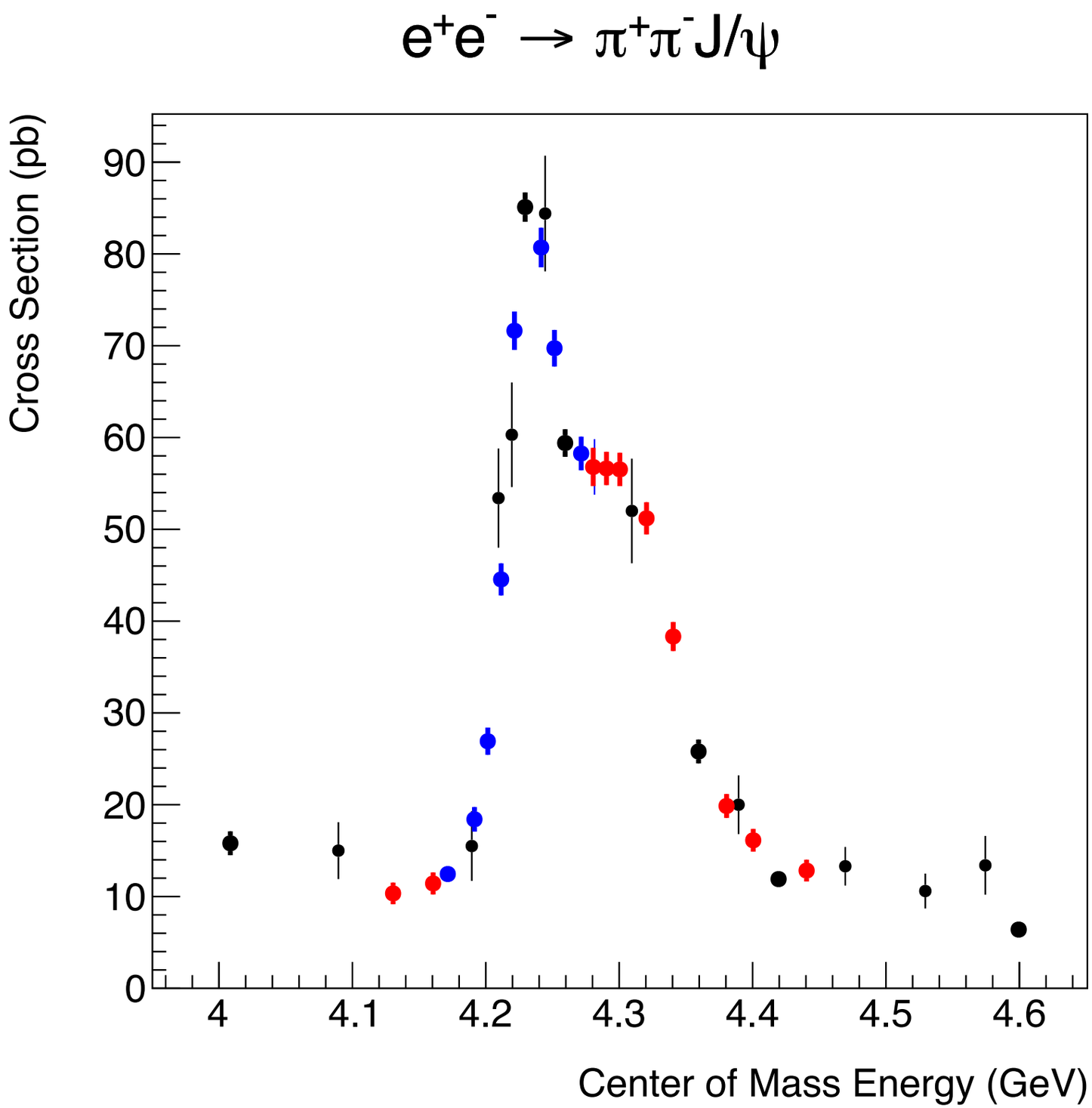
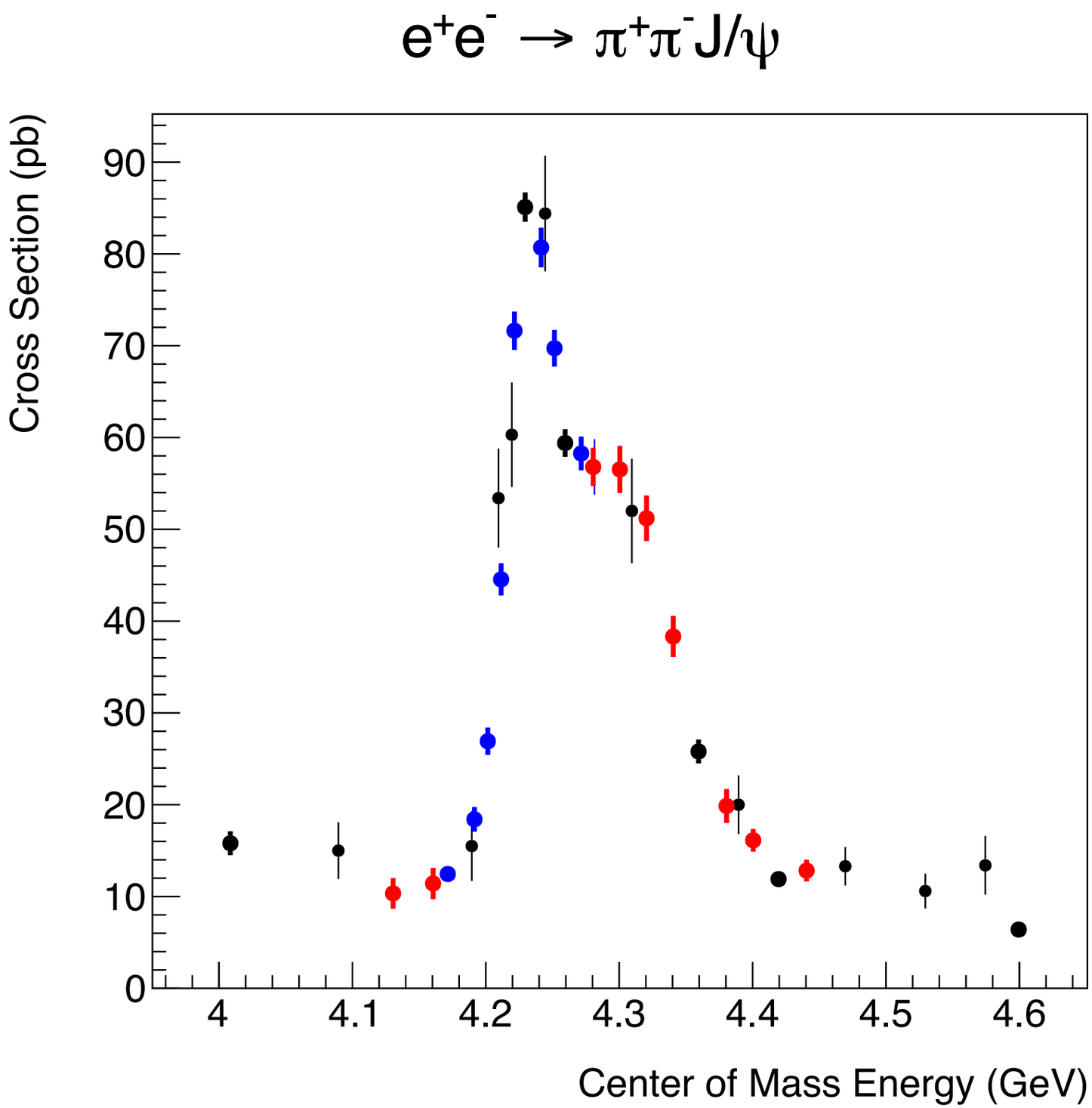

$e^+e^- \rightarrow \pi^+\pi^- J/\psi$
Cross Section (pb)
0
10
20
30
40
50
60
70
80
90
4
4.1
4.2
4.3
4.4
4.5
4.6
Center of Mass Energy (GeV)


$e^+e^- \rightarrow \pi^+\pi^- J/\psi$
Cross Section (pb)
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60
70
80
90
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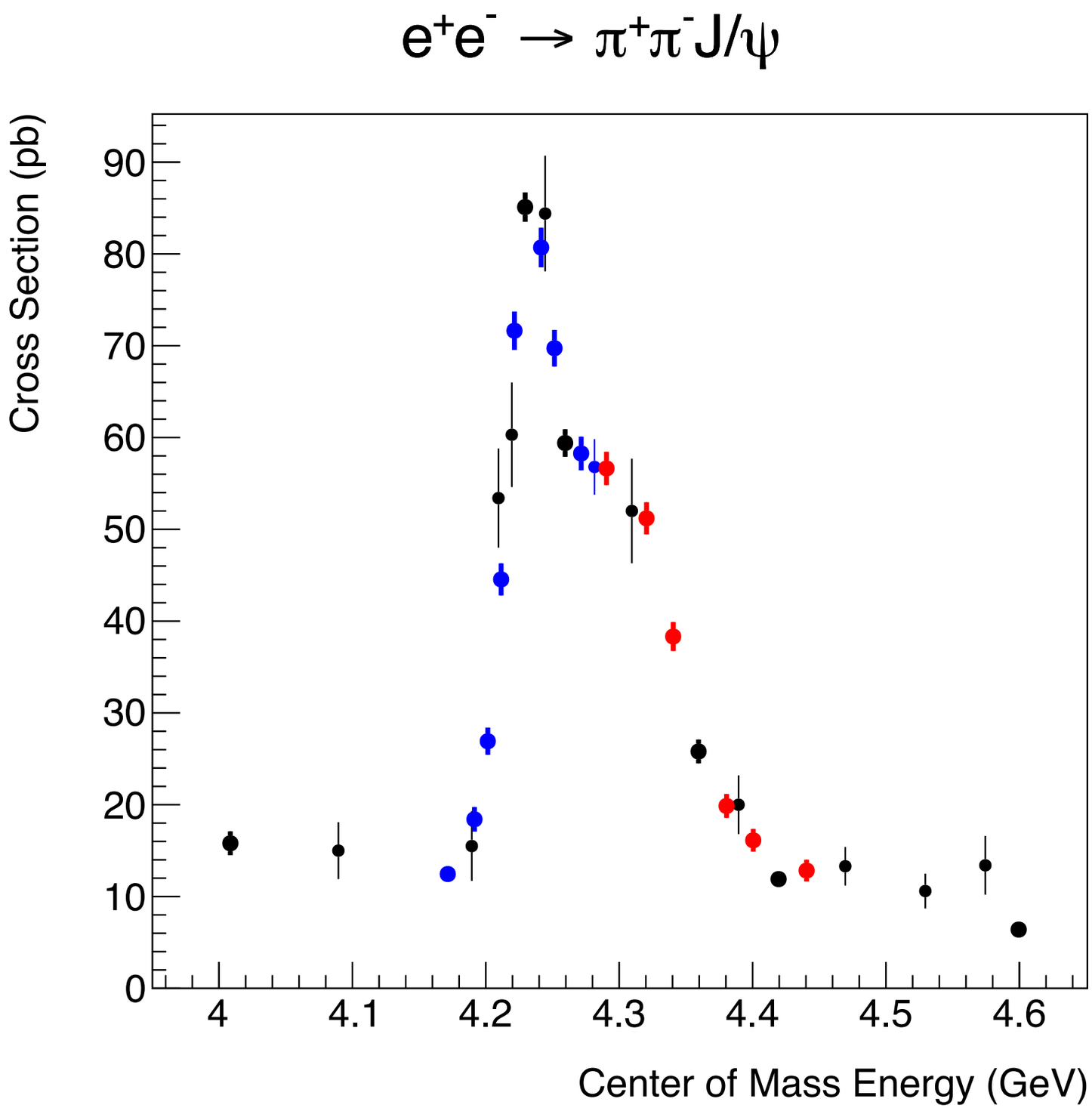
Center of Mass Energy (GeV)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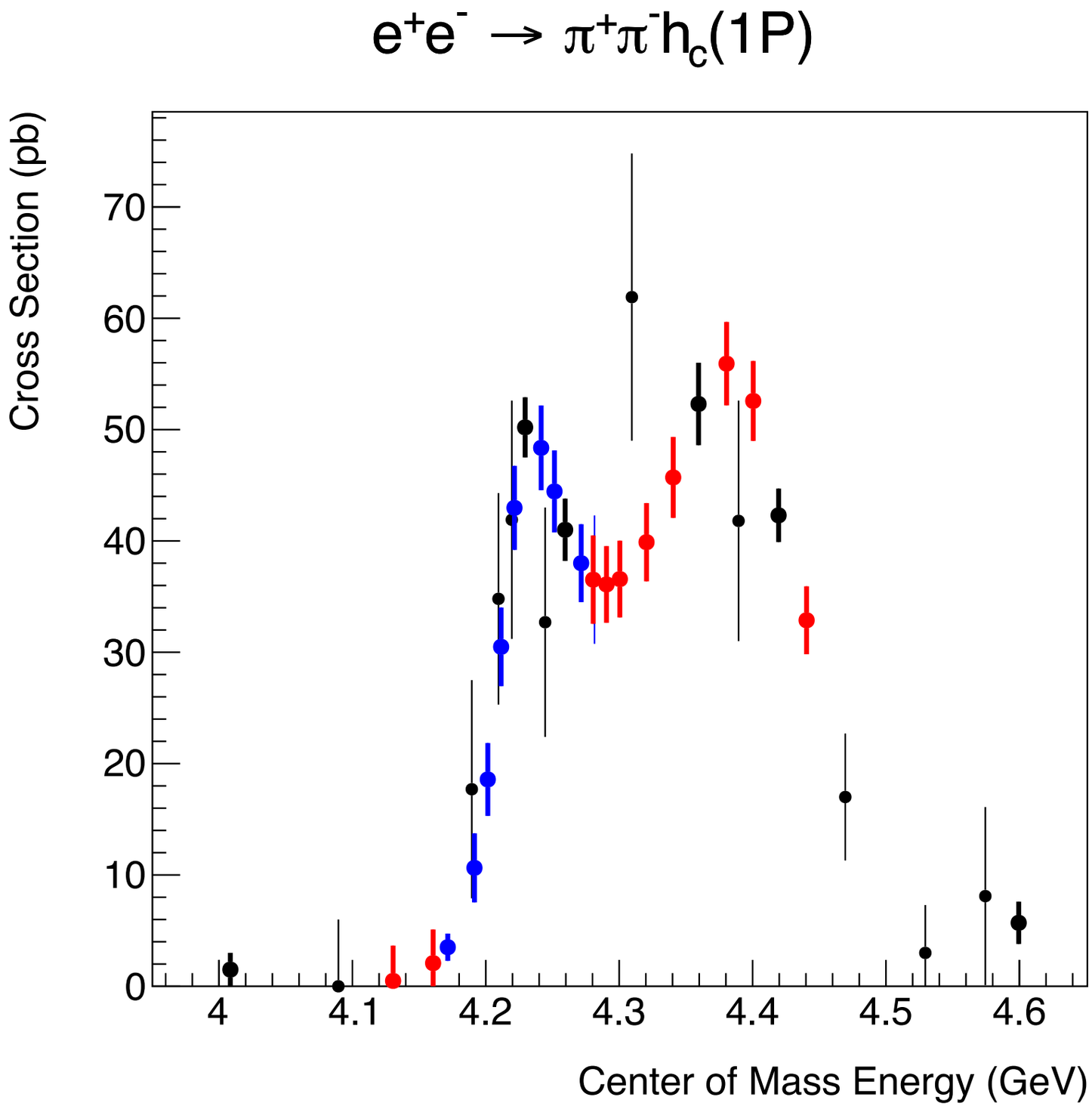
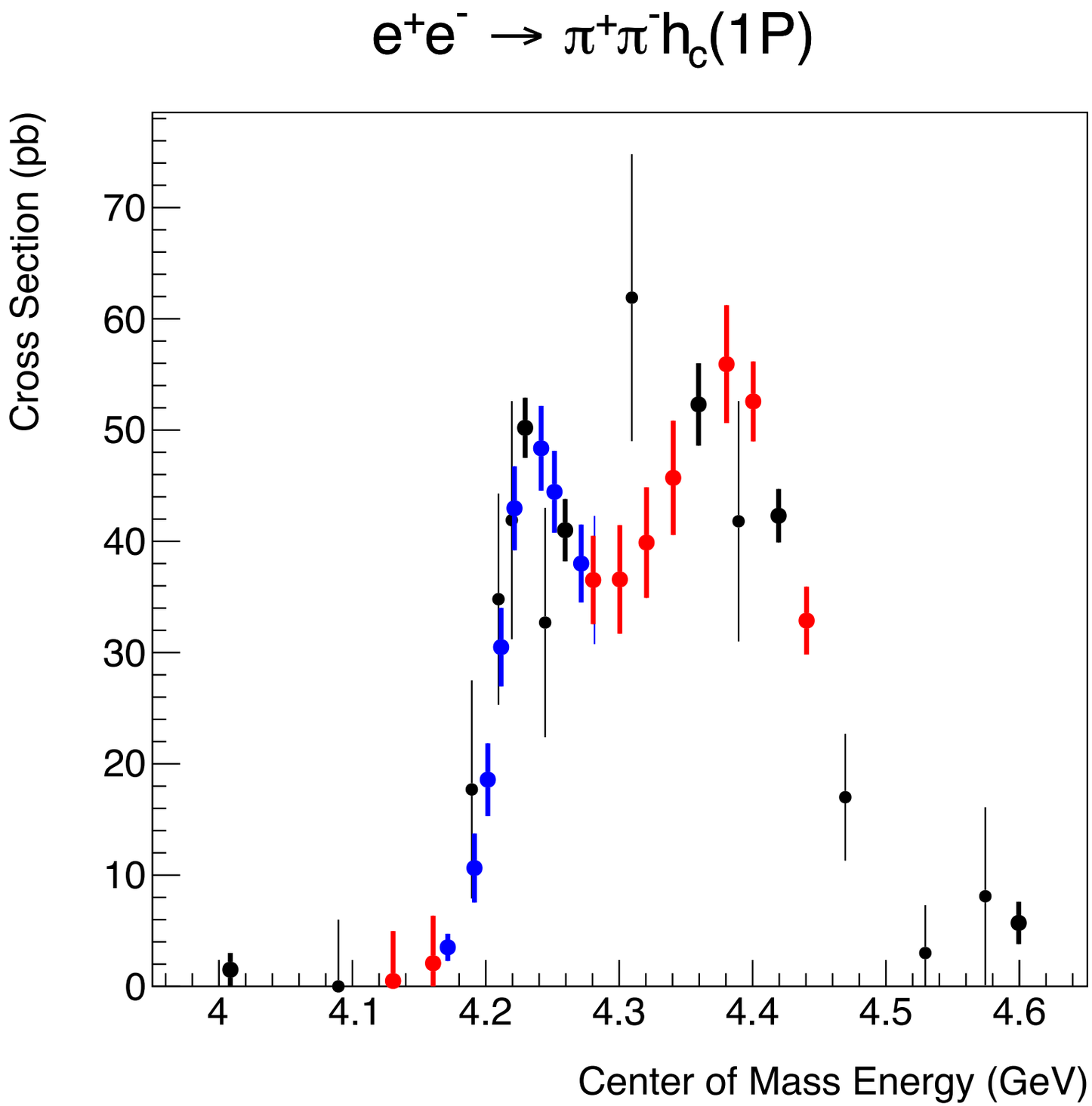
Center of Mass Energy (GeV)


$e^+e^- \to \pi^+\pi^- h_c(1P)$
Cross Section (pb)
0
10
20
30
40
50
60
70
4
4.1
4.2
4.3
4.4
4.5
4.6
Center of Mass Energy (GeV)


$e^+e^- \to \pi^+\pi^- h_c(1P)$
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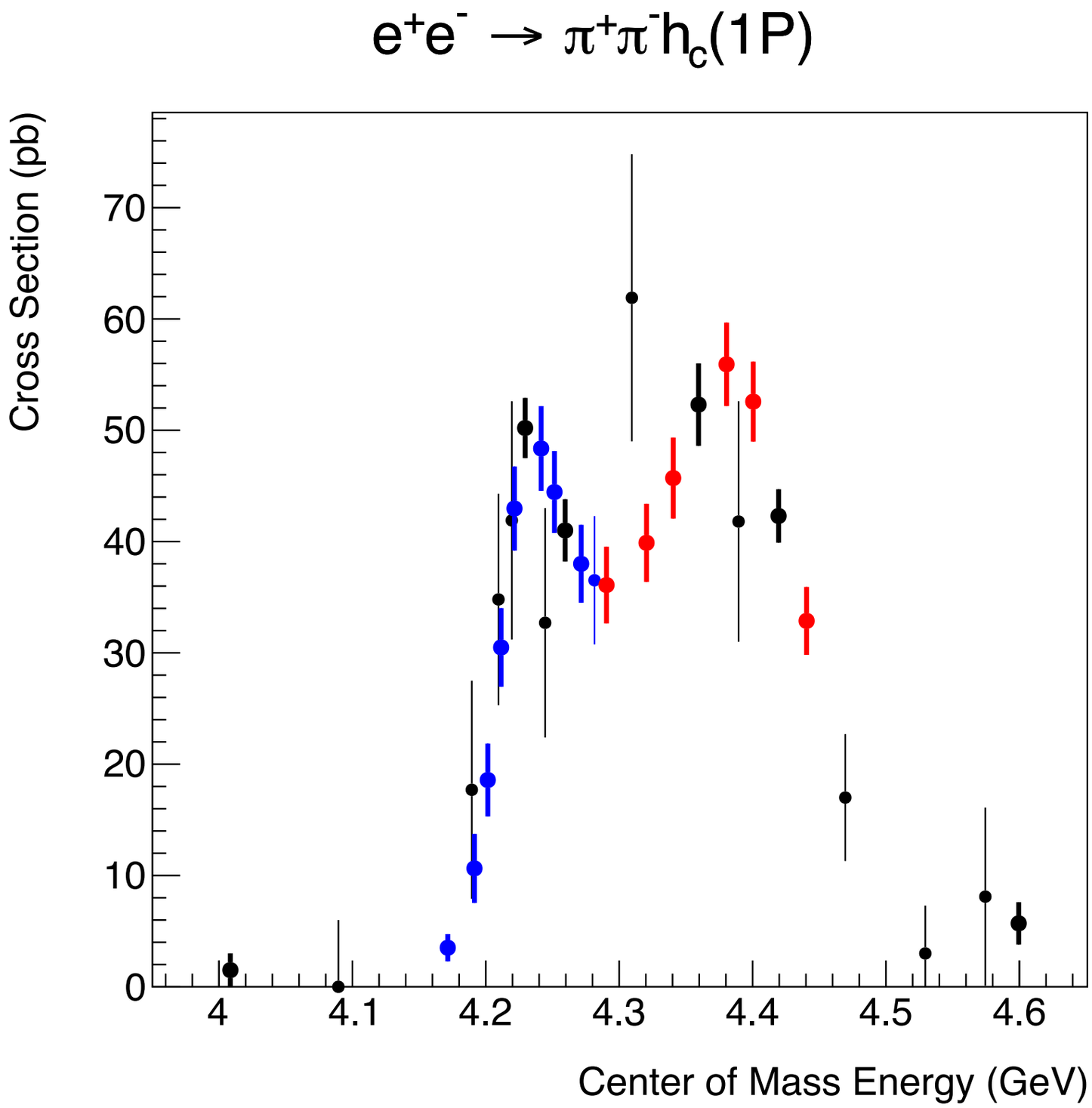
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