



中国科学技术大学
University of Science and Technology of China

Isobar hypernuclei

2022/11/9

H3I embedding



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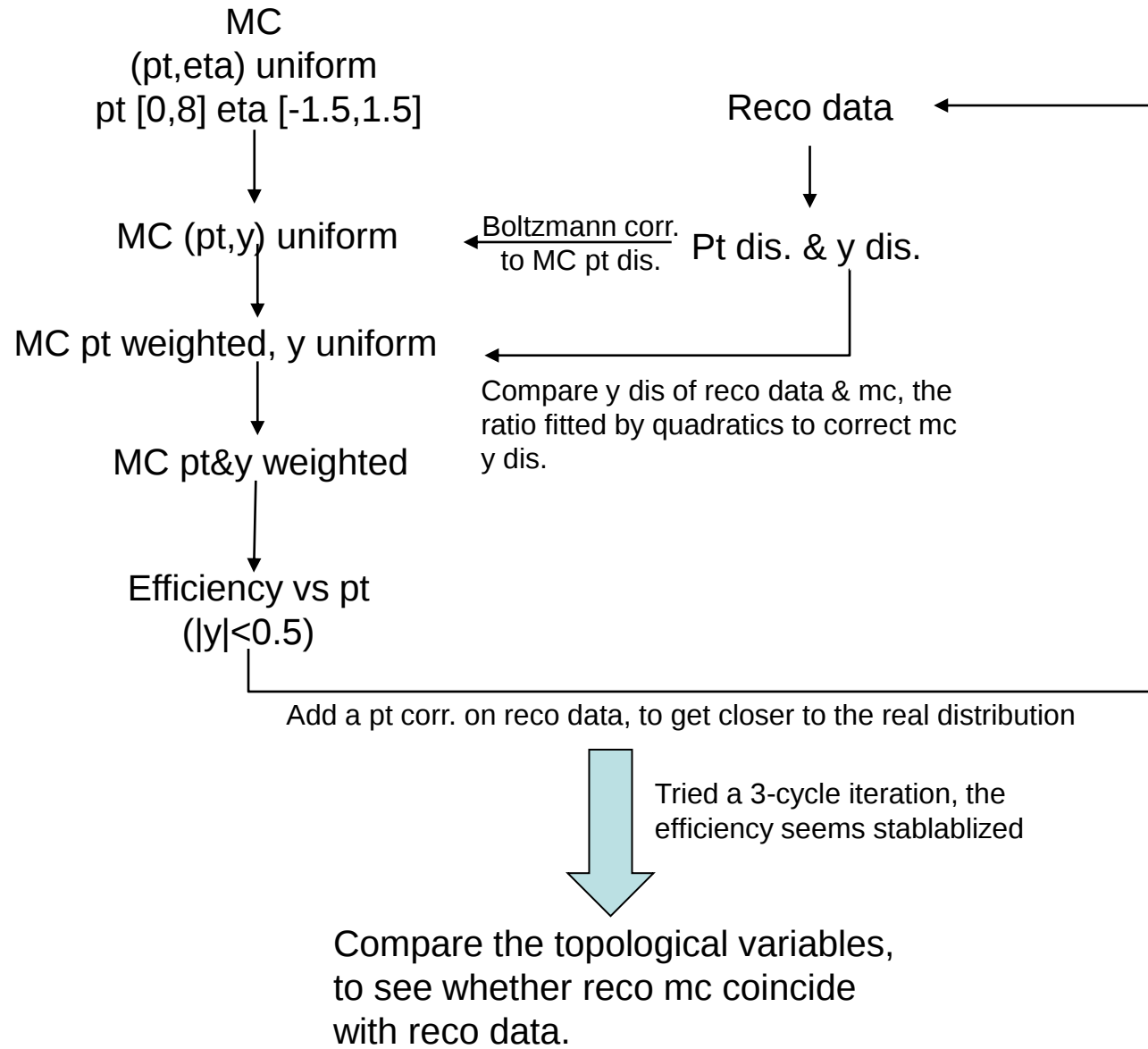
Request Type

Standard Embedding request (particle in real events)

Description

- • Real Data: Isobar 200GeV Zr+Zr, Ru+Ru
- • Trigger Id = (350001 || 350011 || 350003 || 350013 || 350023 || 350033 || 350043 || 350505 || 350515 || 350502 || 350512 || 350503 || 350513 || 350504 || 350514 || 350501 || 350511 || 350507 || 350517 || 6 || 600601 || 600011 || 600021 || 600031 || 600012 || 600022 || 600032 || 600042)
- • Production Library: P20ic
- • Particle: (anti-)hyper-hydrogen3
- • Particles per event 5% mult
- • $-60 < \text{VertexZ} < 60$ cm
- • $-3.15 < \text{phi} < 3.15$ in radian, flat
- • $-1.5 < \text{eta} < 1.5$, flat
- • $0.0 < \text{Pt} < 8.0$ GeV/c, flat

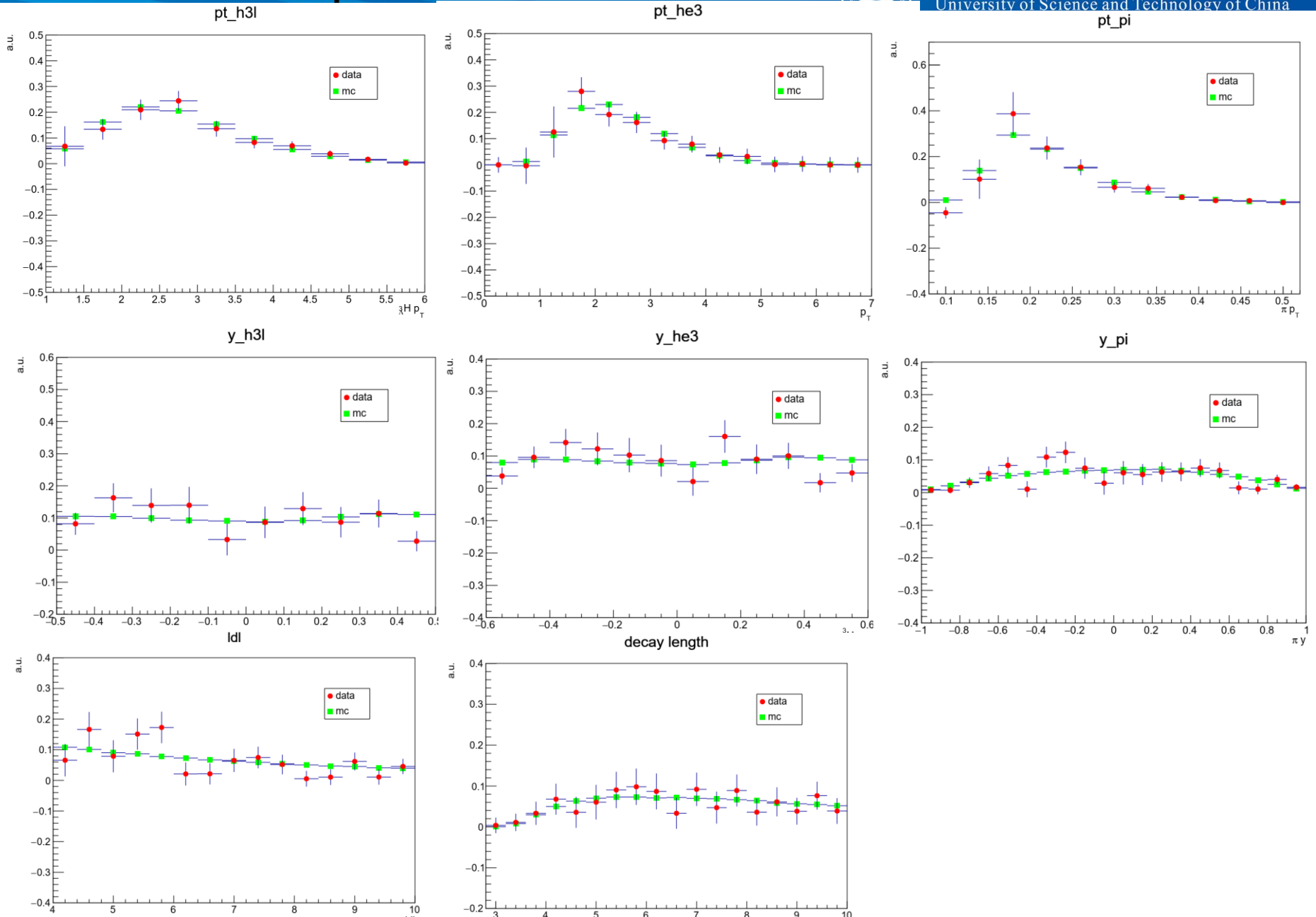
Method to calc efficiency



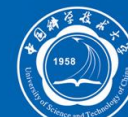
Results: topo variables



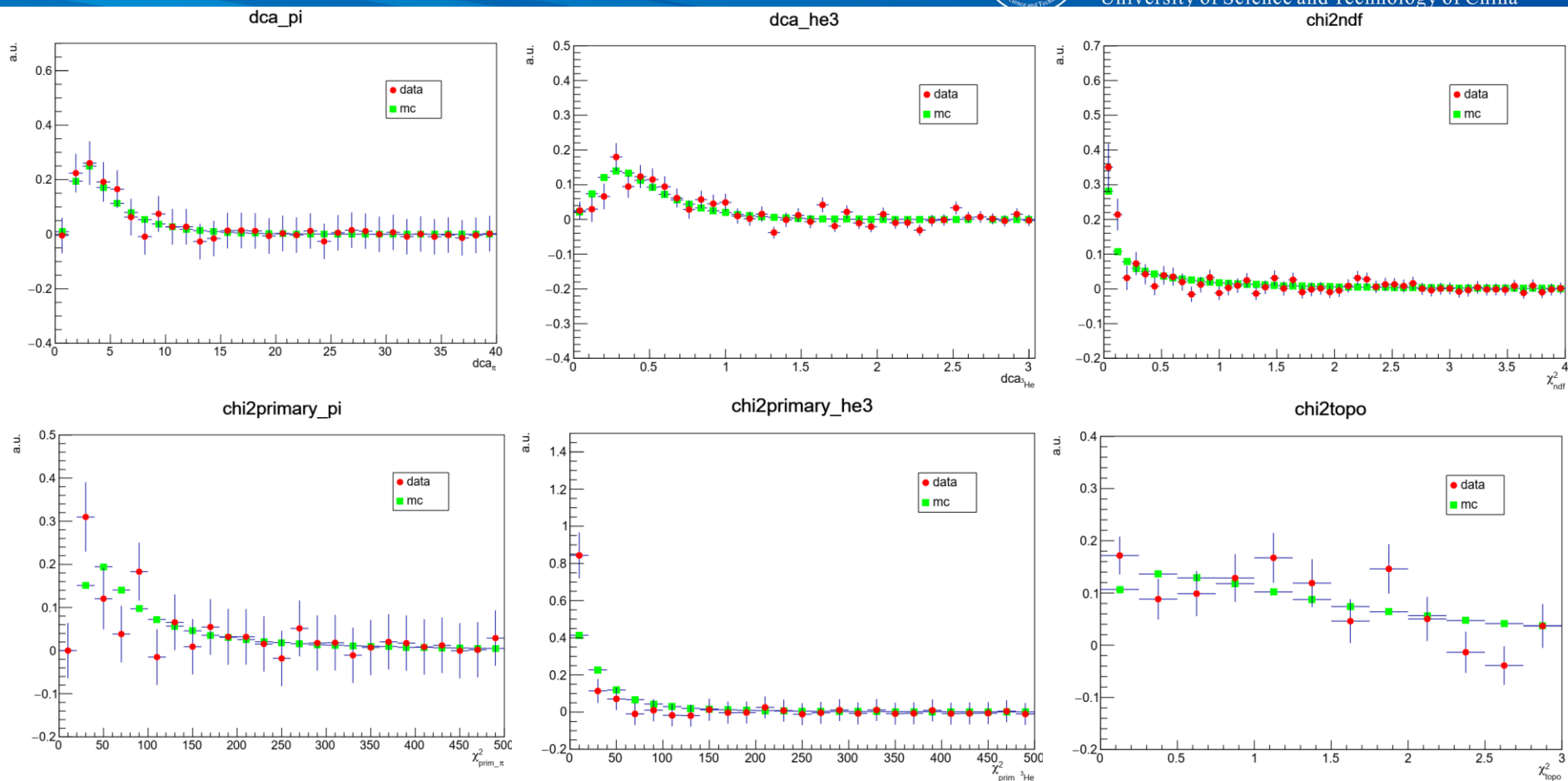
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Results: topo variables

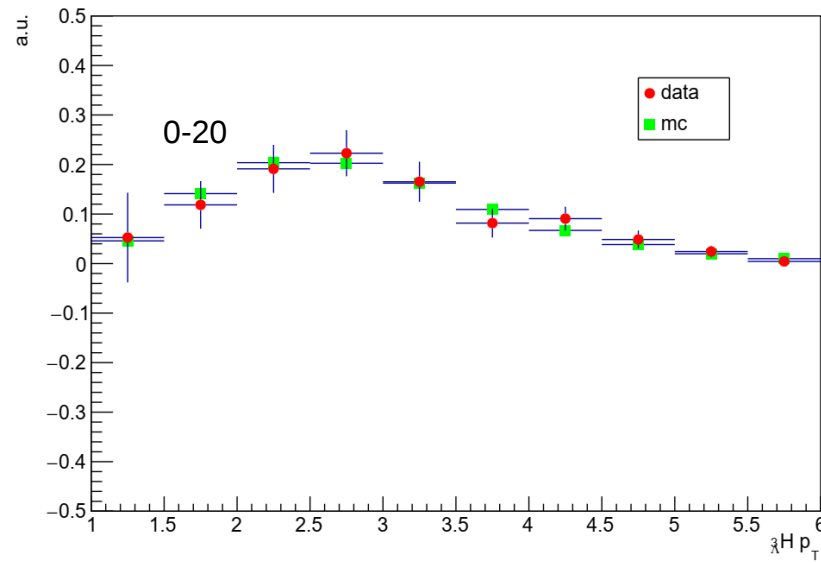


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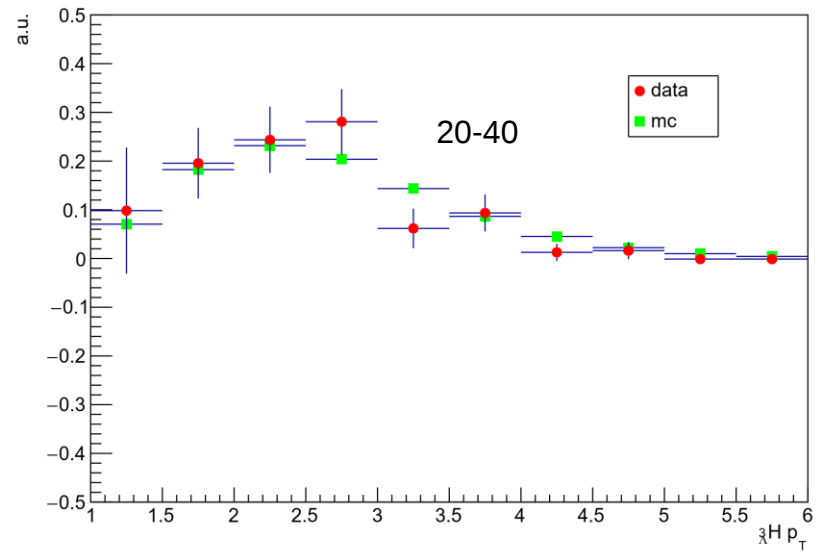




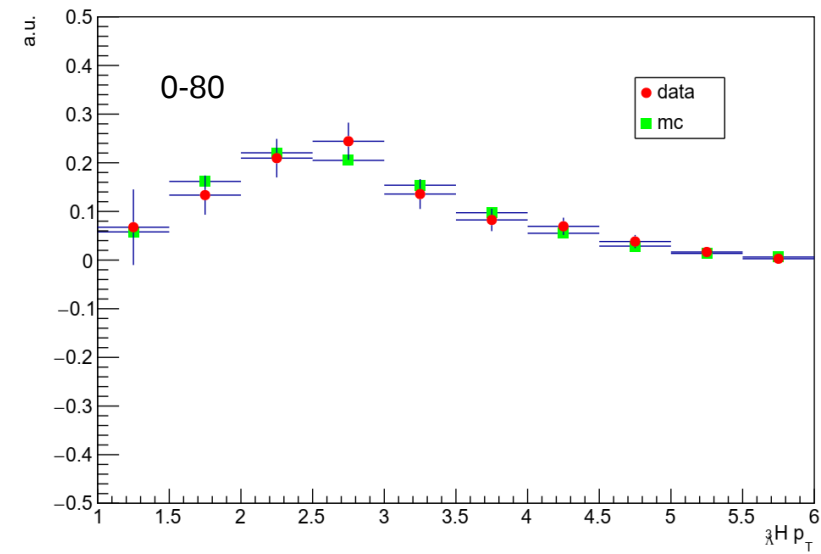
pt_h3l



pt_h3l



pt_h3l



Results: efficiency

