What happens with dE/dx ?? Solved mistery ?

Adrián Irles IFIC (UV/CSIC)



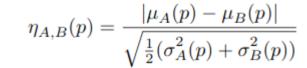


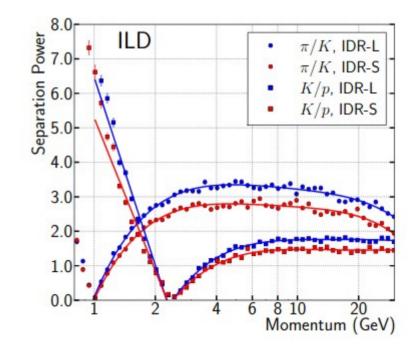
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFIC

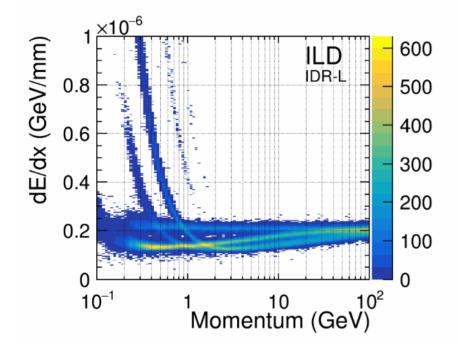


IDR: single particle



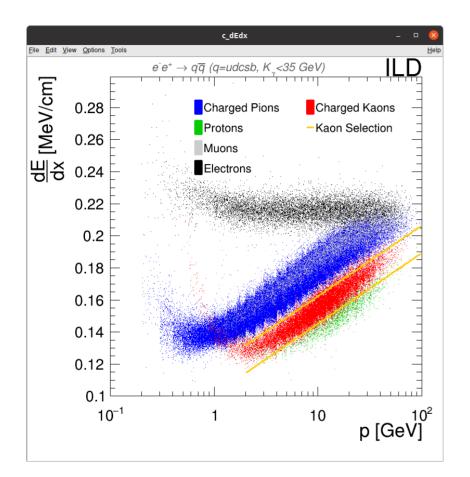


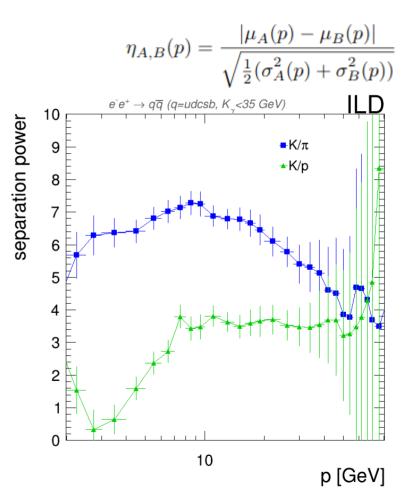




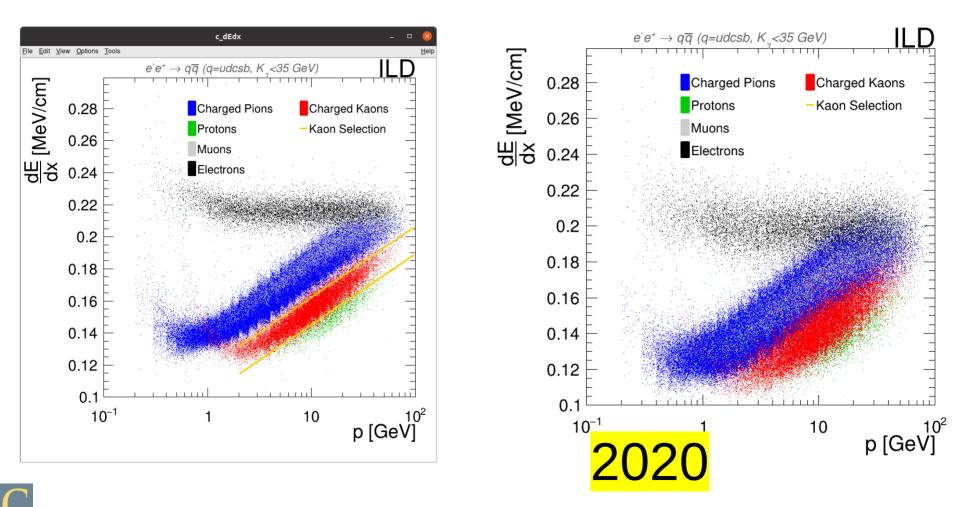
DBD rad return sample (250 GeV)







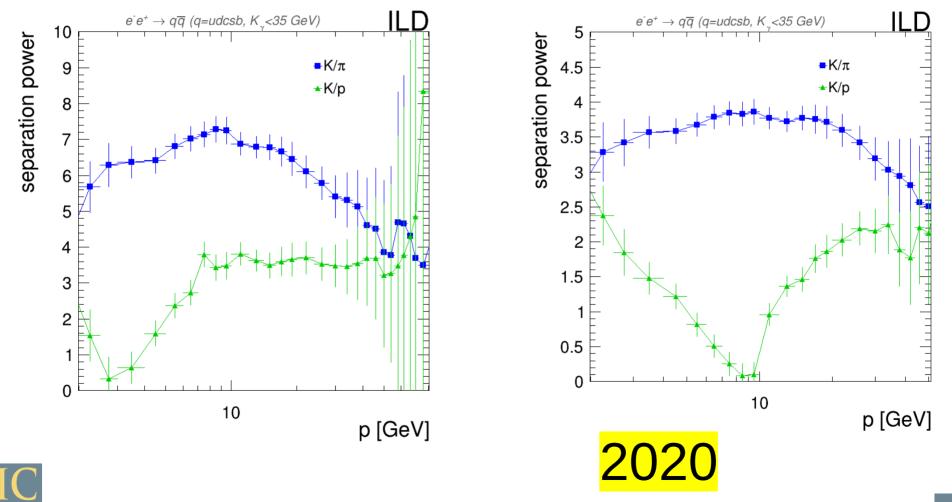
rad return sample (250 GeV) DBD vs 2020





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rad return sample (250 GeV) DBD vs 2020



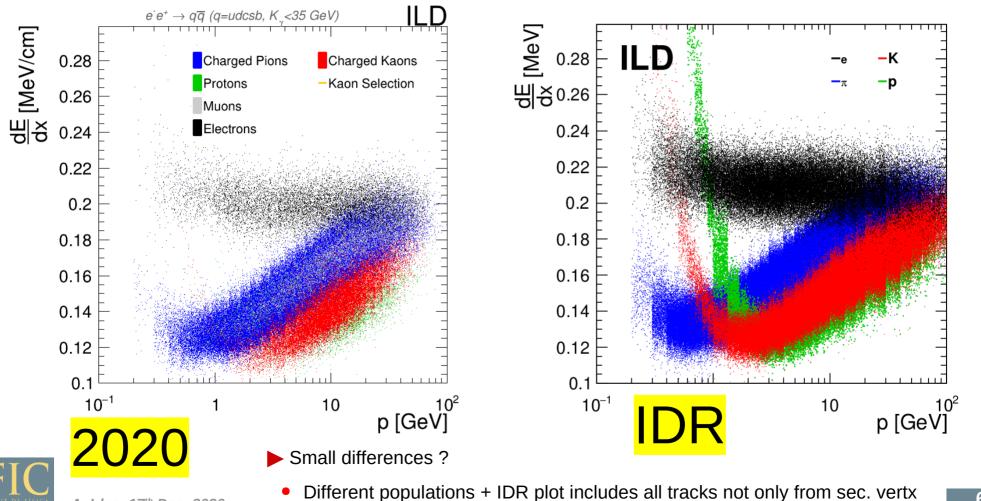
A. Irles, 17th Dec. 2020

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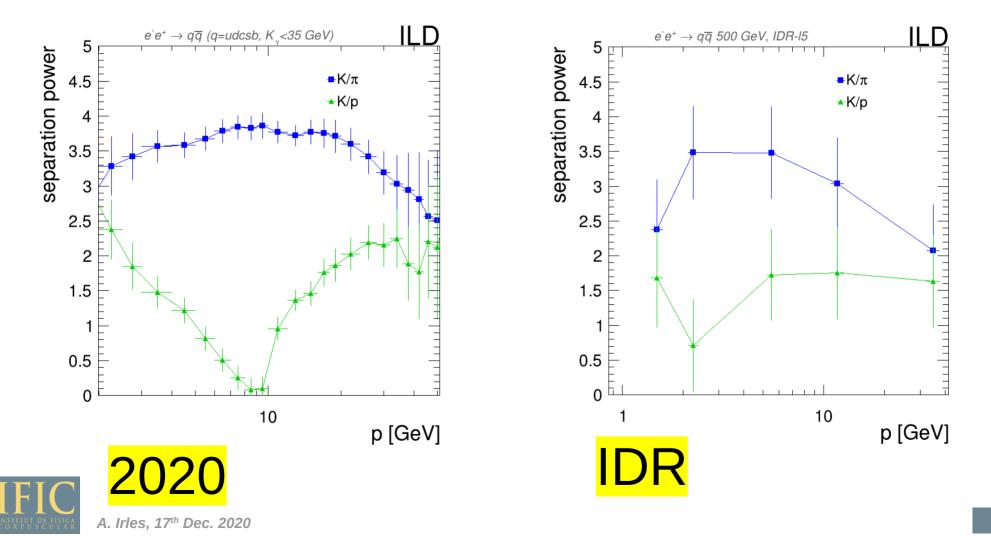
2020 250 GeV vs IDR 500 GeV (large mod)

A. Irles, 17th Dec. 2020



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rad return sample (250 GeV) DBD vs 2020

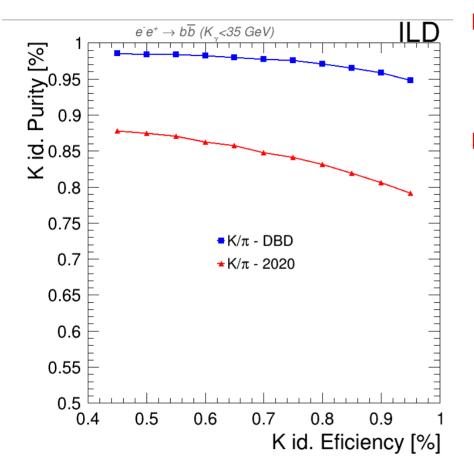


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Conclusions ?





- We are currently over estimating the Kaon Separation capabilities.
 - Impact on the efficiency of K-K election
 - Impact on the p-value of the K method
- What do we do?