

$\gamma n \rightarrow \pi^- p$ cross section extraction

$$\bullet \frac{d\sigma}{dt}(E_\gamma, t) = \frac{N(E_\gamma, t)}{\epsilon(E_\gamma, t)} \frac{A}{N_\gamma(E_\gamma) \rho L N_A} \frac{1}{dt}$$

• N : number of events

• ϵ : acceptance

• A : Atomic mass

• N_γ : photon flux

• ρ : density

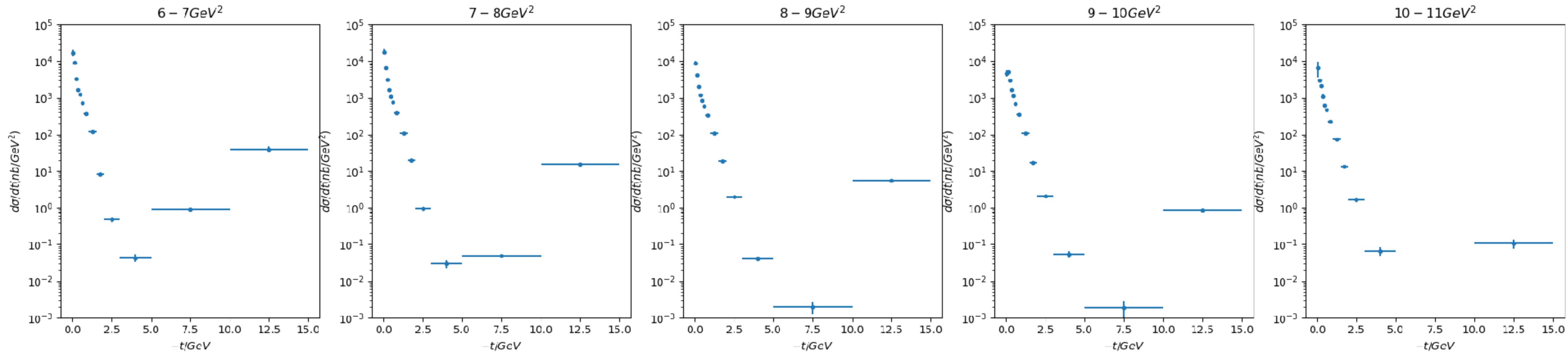
• L : target length

• N_A : Avogadro's number

• dt : t bin size

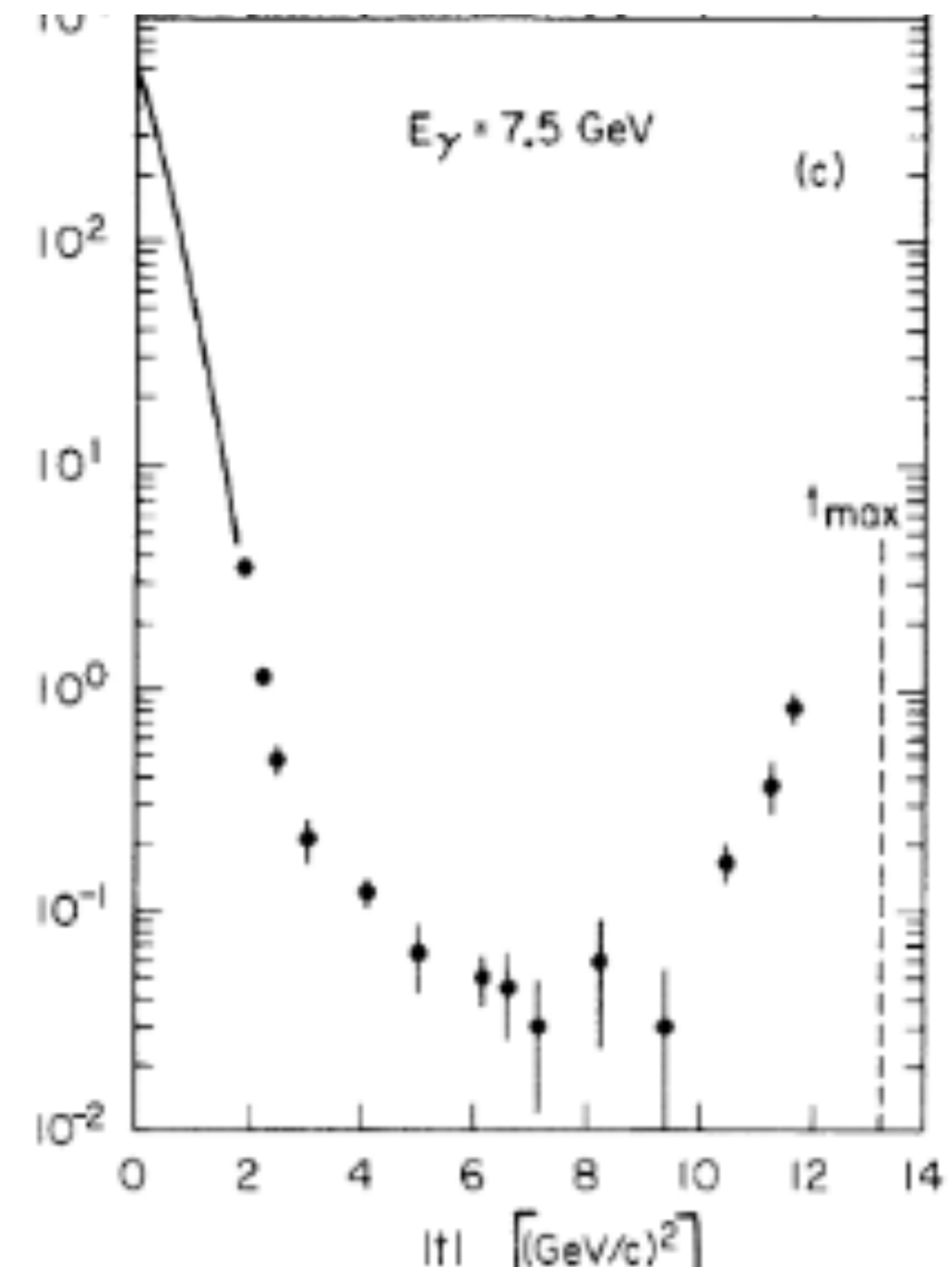
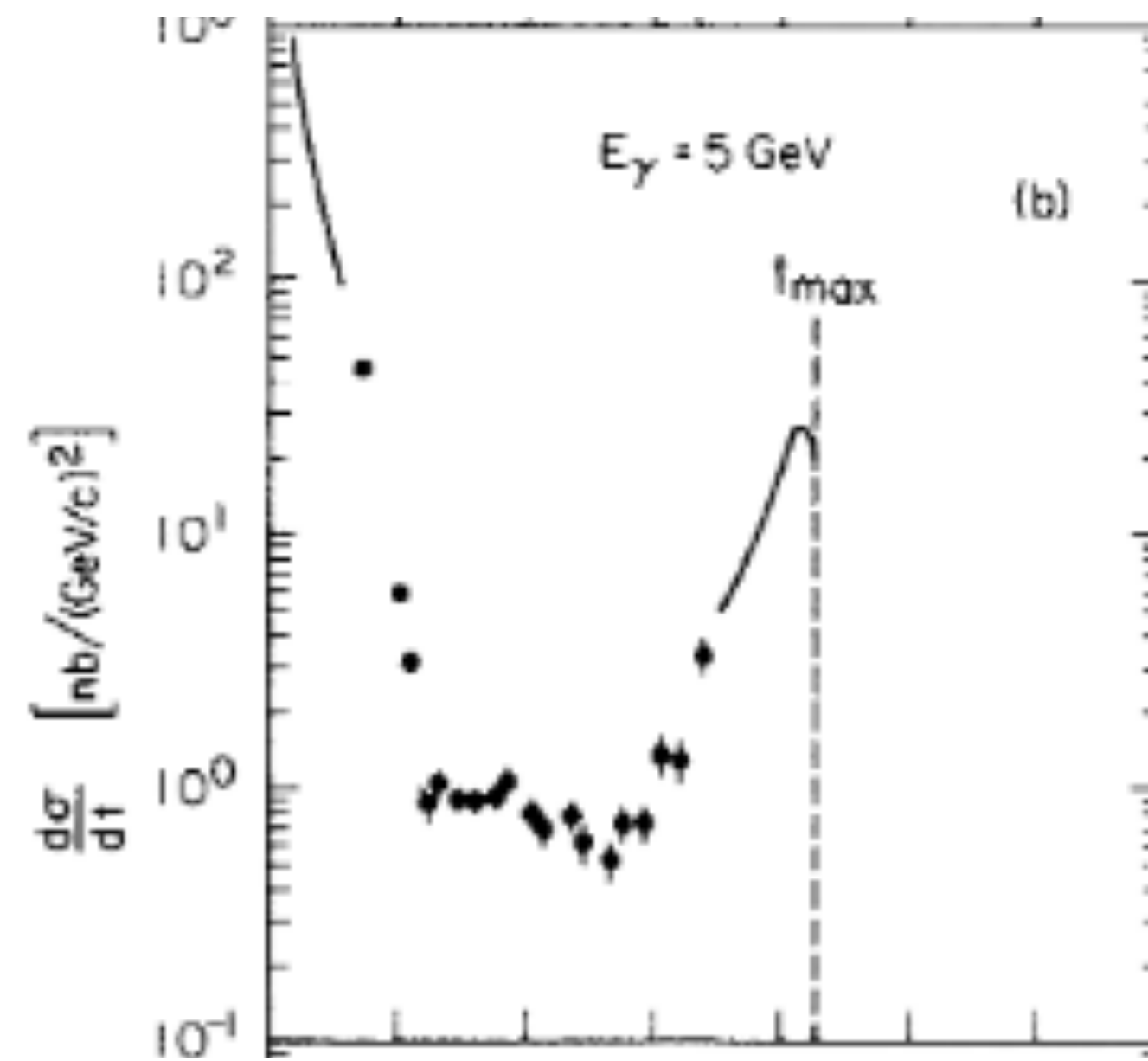
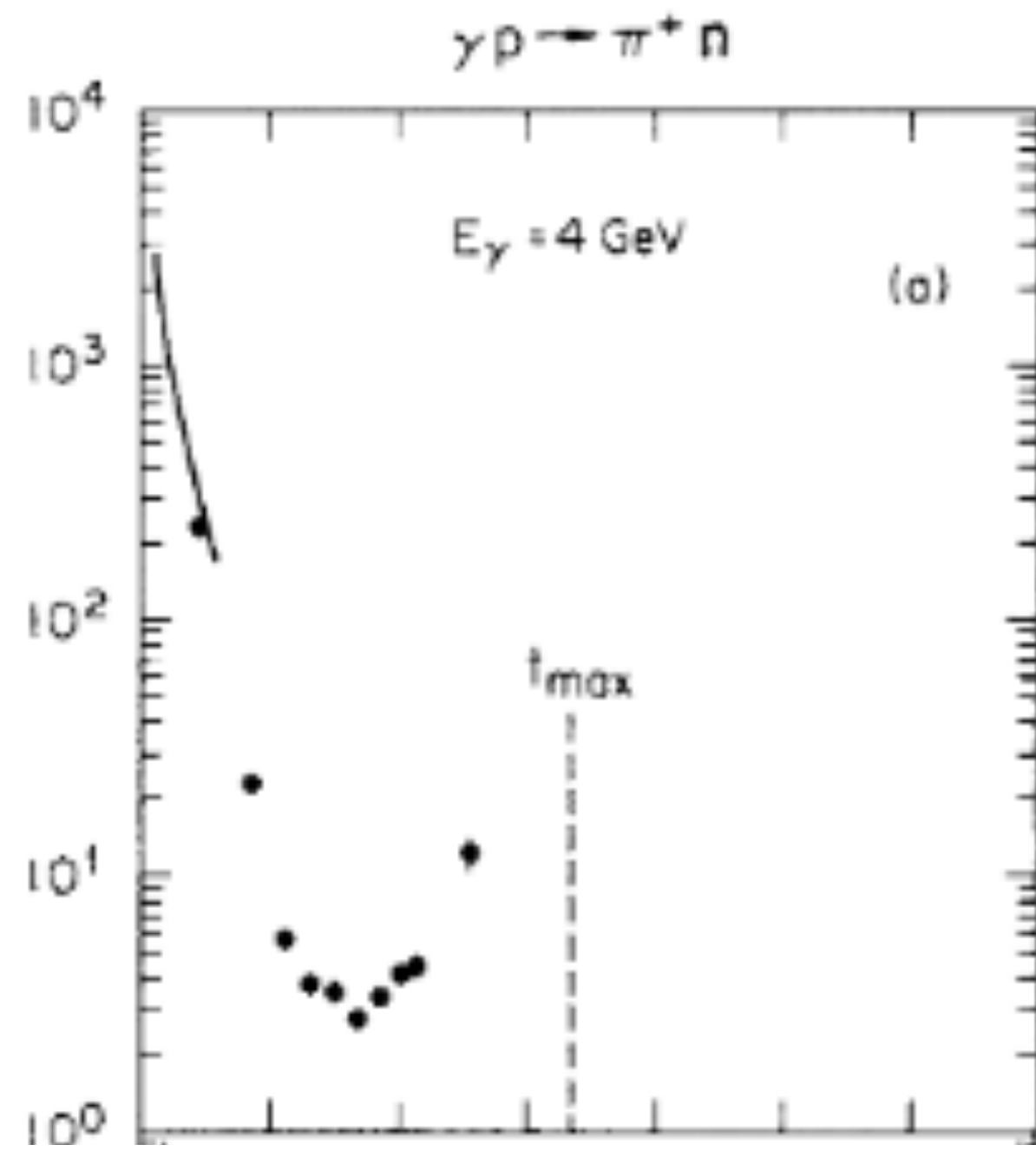
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- Preliminary cross section



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- Preliminary cross section: compare with world data



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