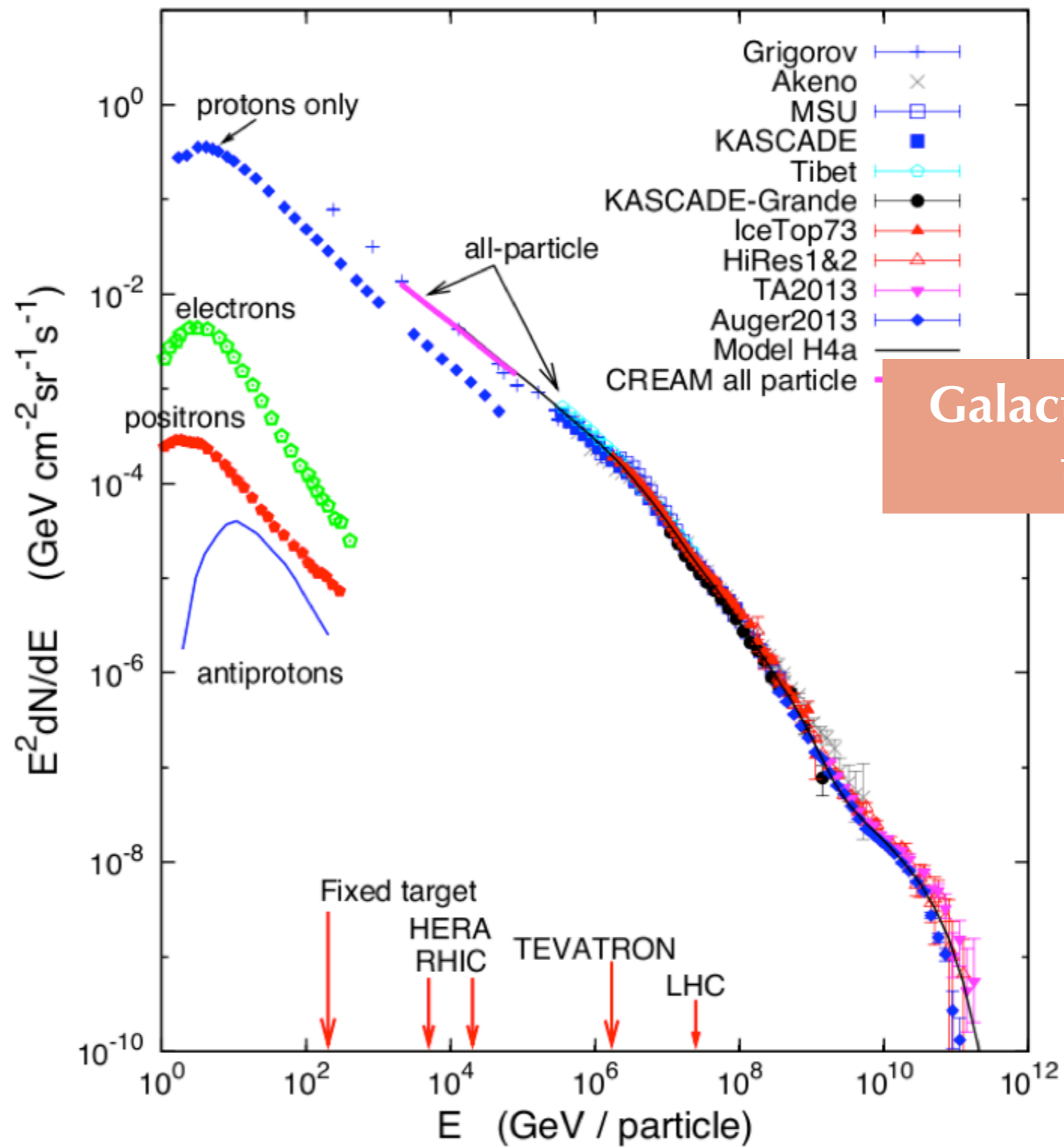


MACROS

June 21, 2016

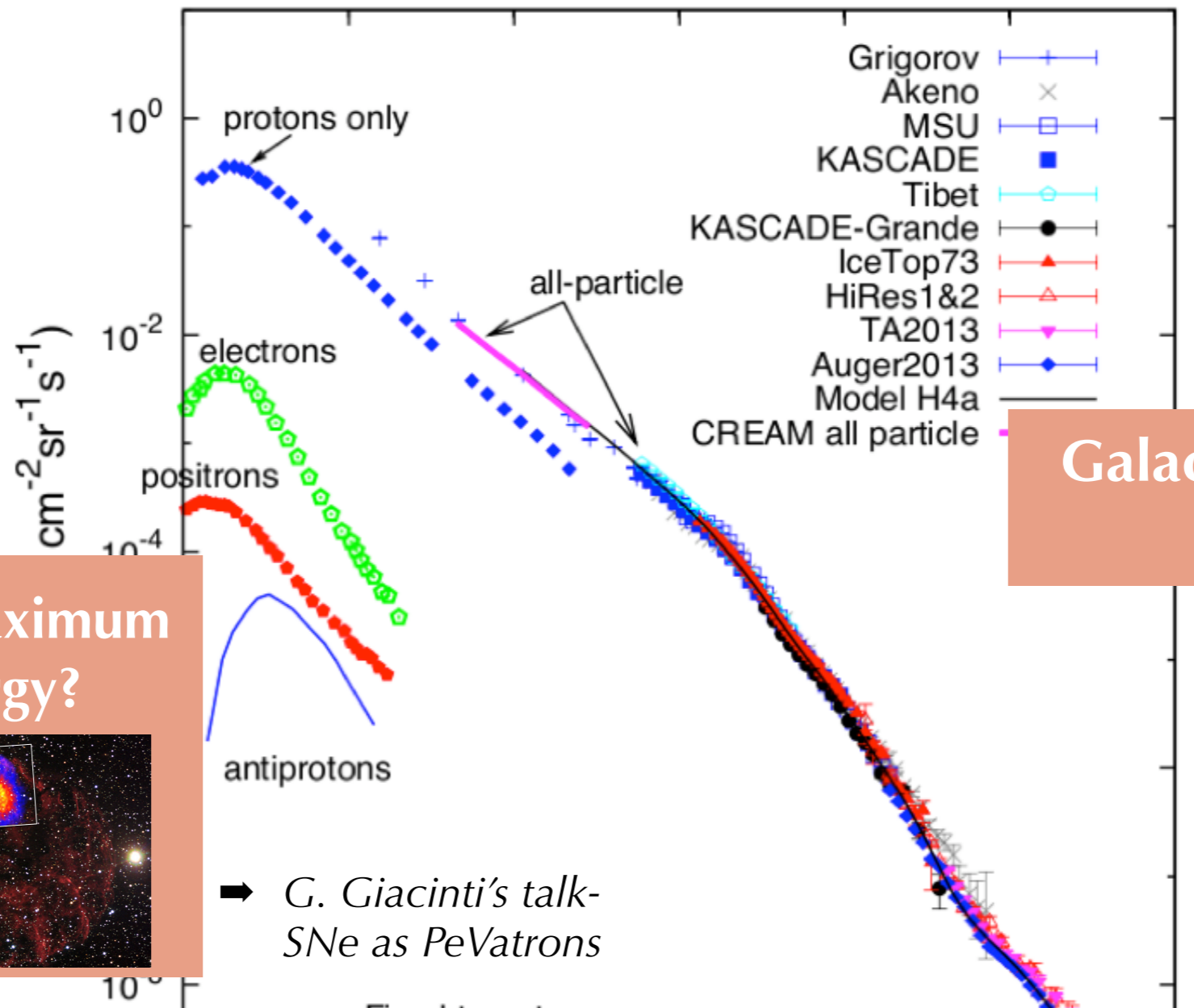


Galactic cosmic-ray puzzles: Forever mystery?



Galactic - extragalactic transition??

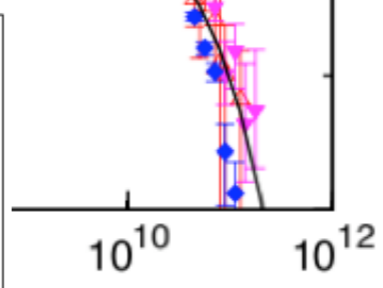
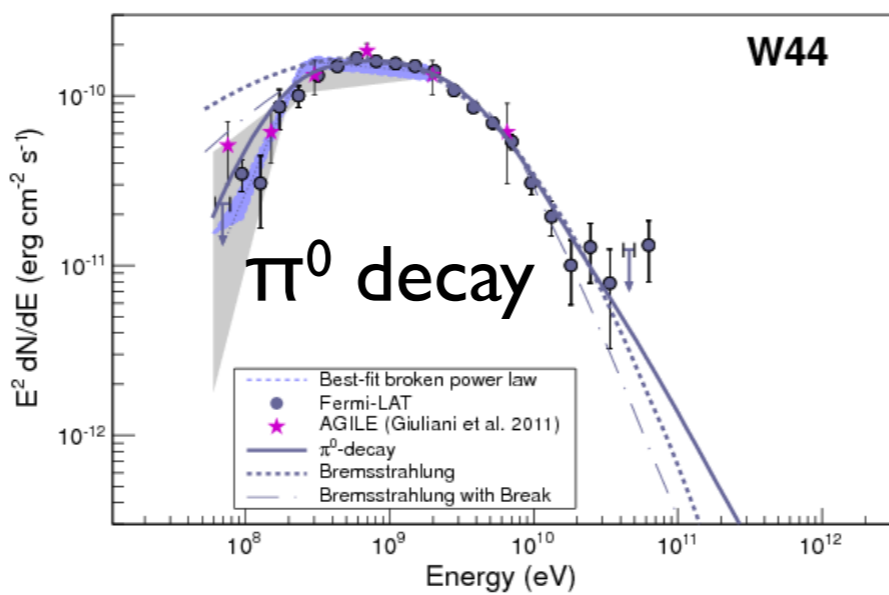
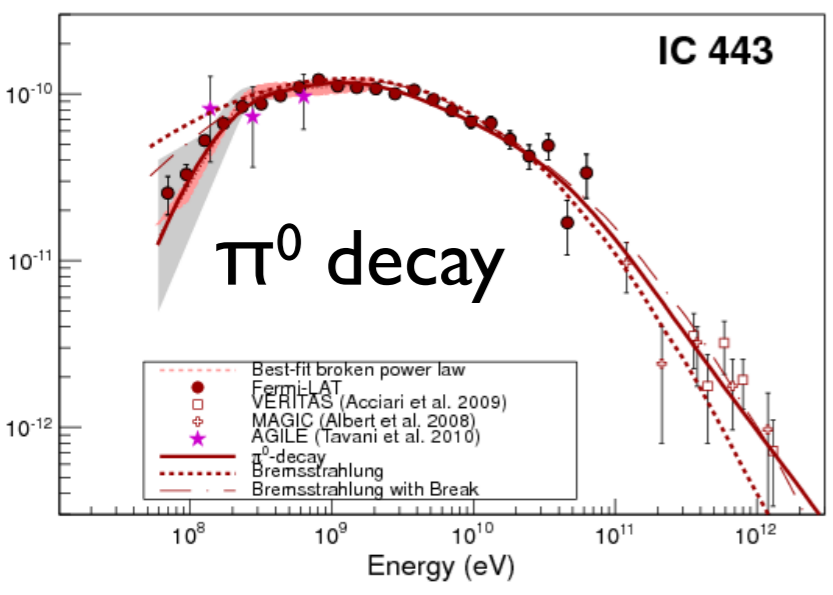


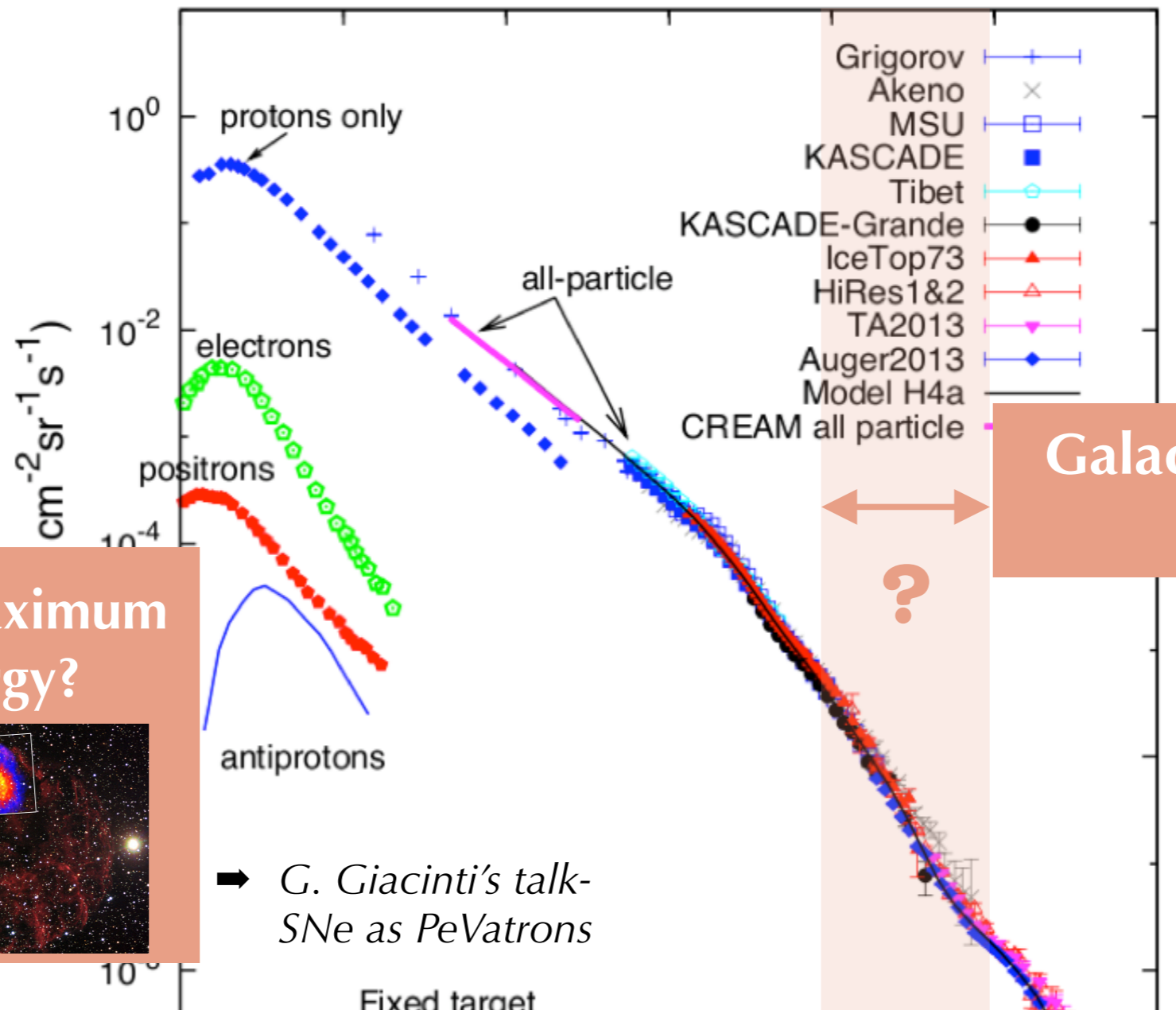


Galactic - extragalactic transition??

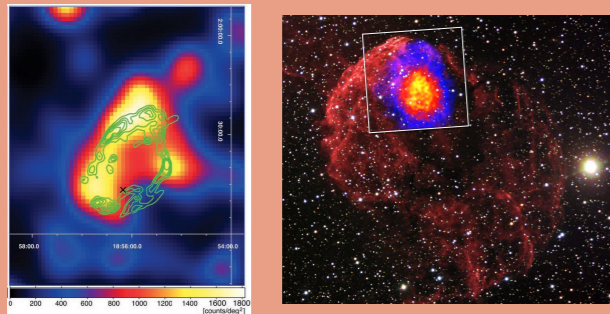
What is the maximum SN CR energy?

➔ G. Giacinti's talk- SNe as PeVatrons

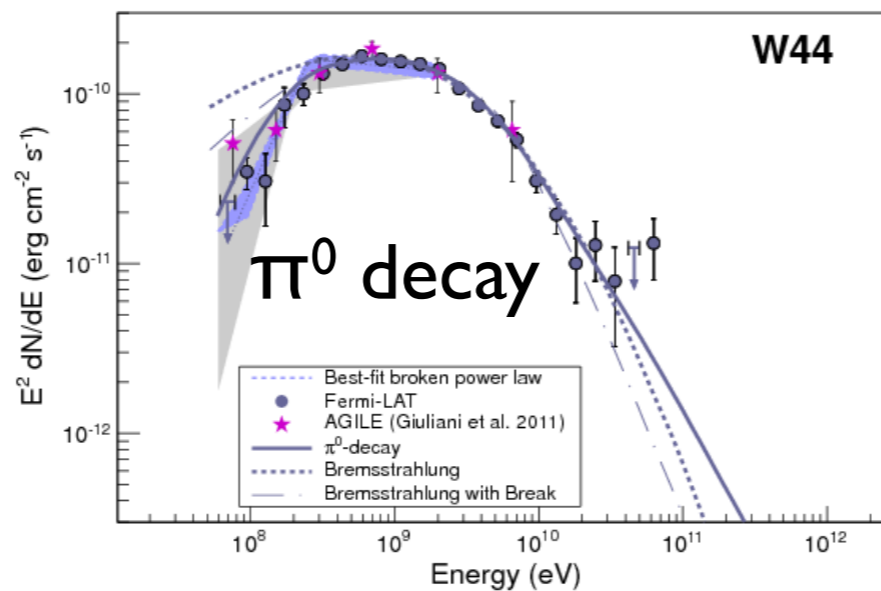
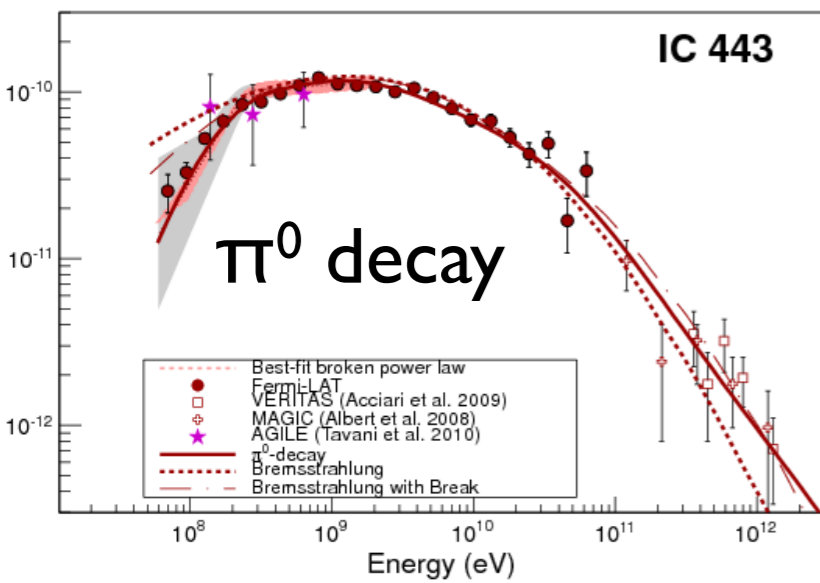


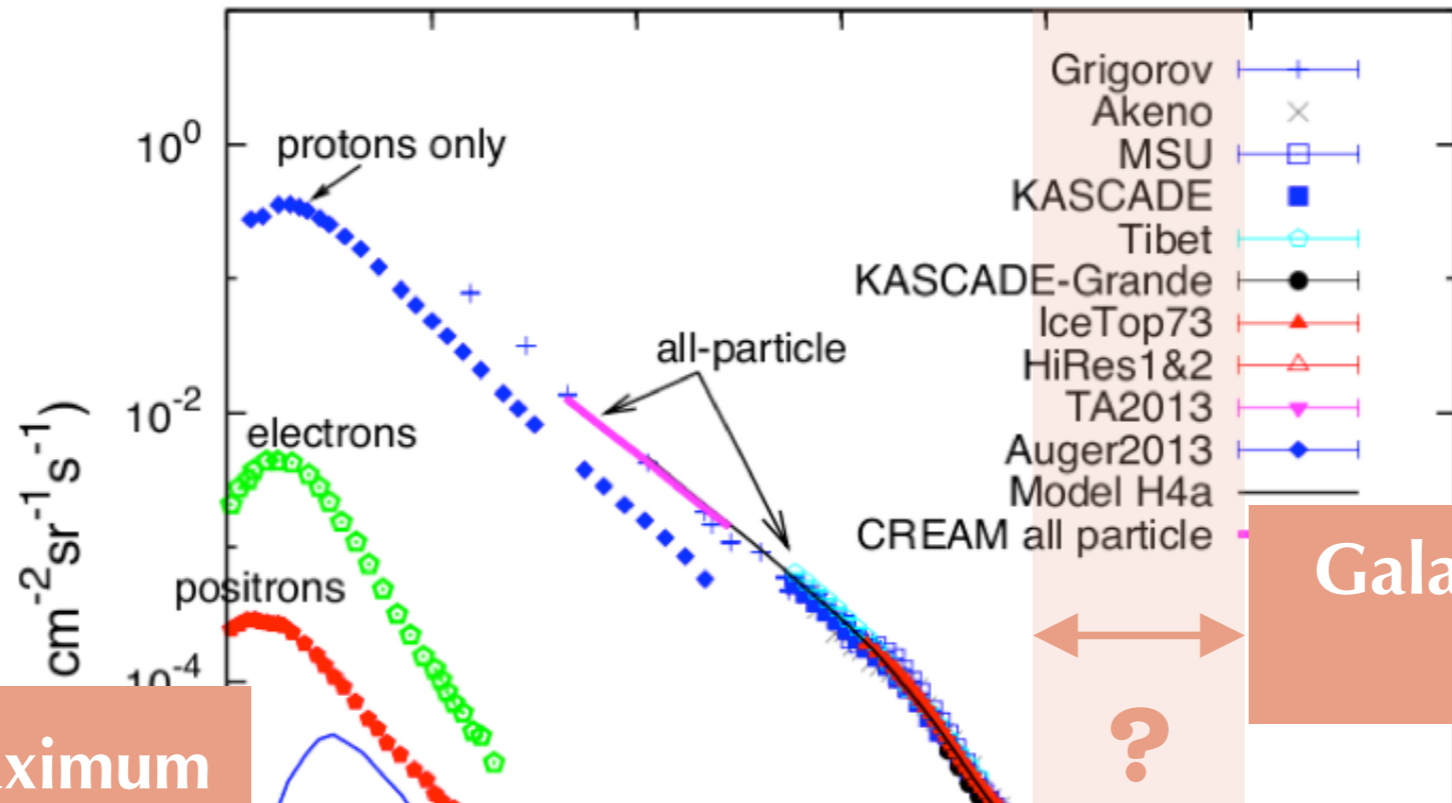


What is the maximum SN CR energy?



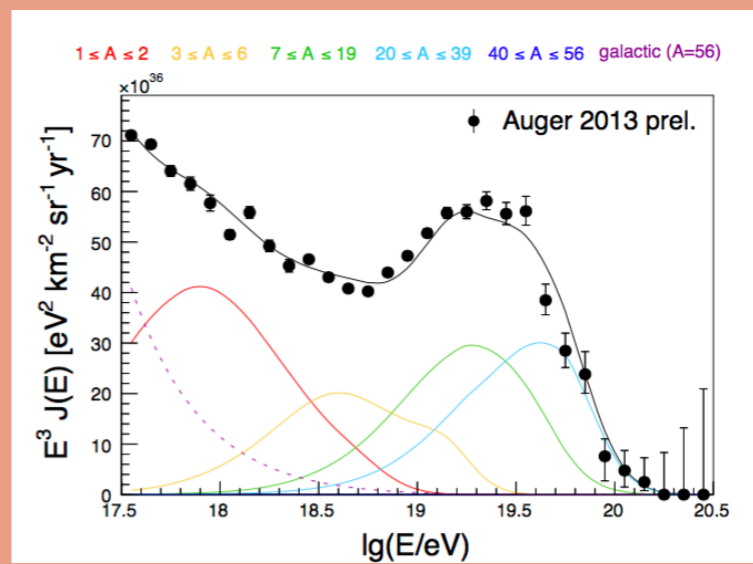
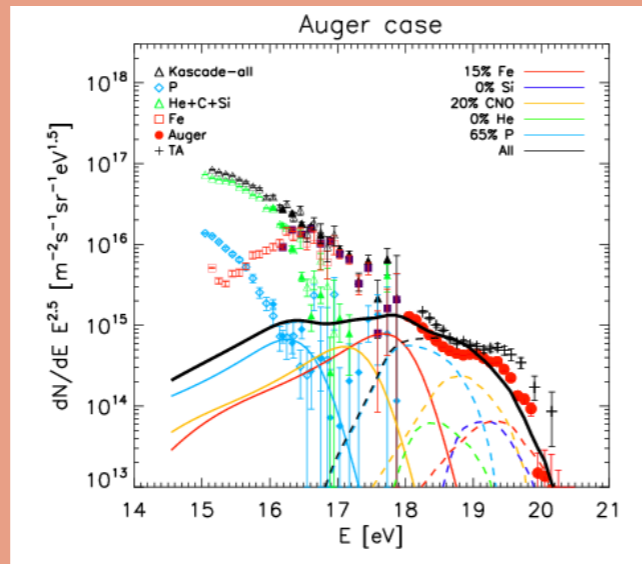
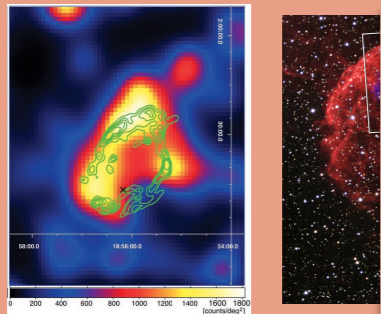
→ G. Giacinti's talk- SNe as PeVatrons





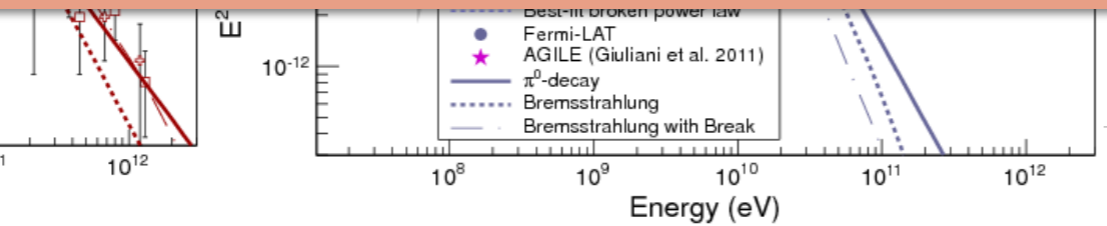
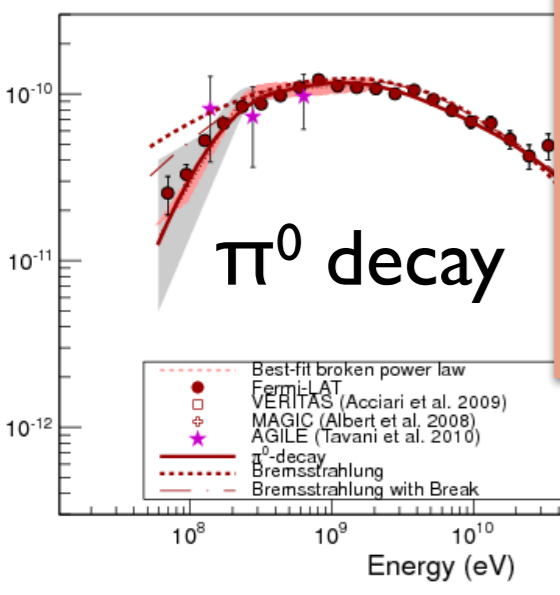
What is the maximum

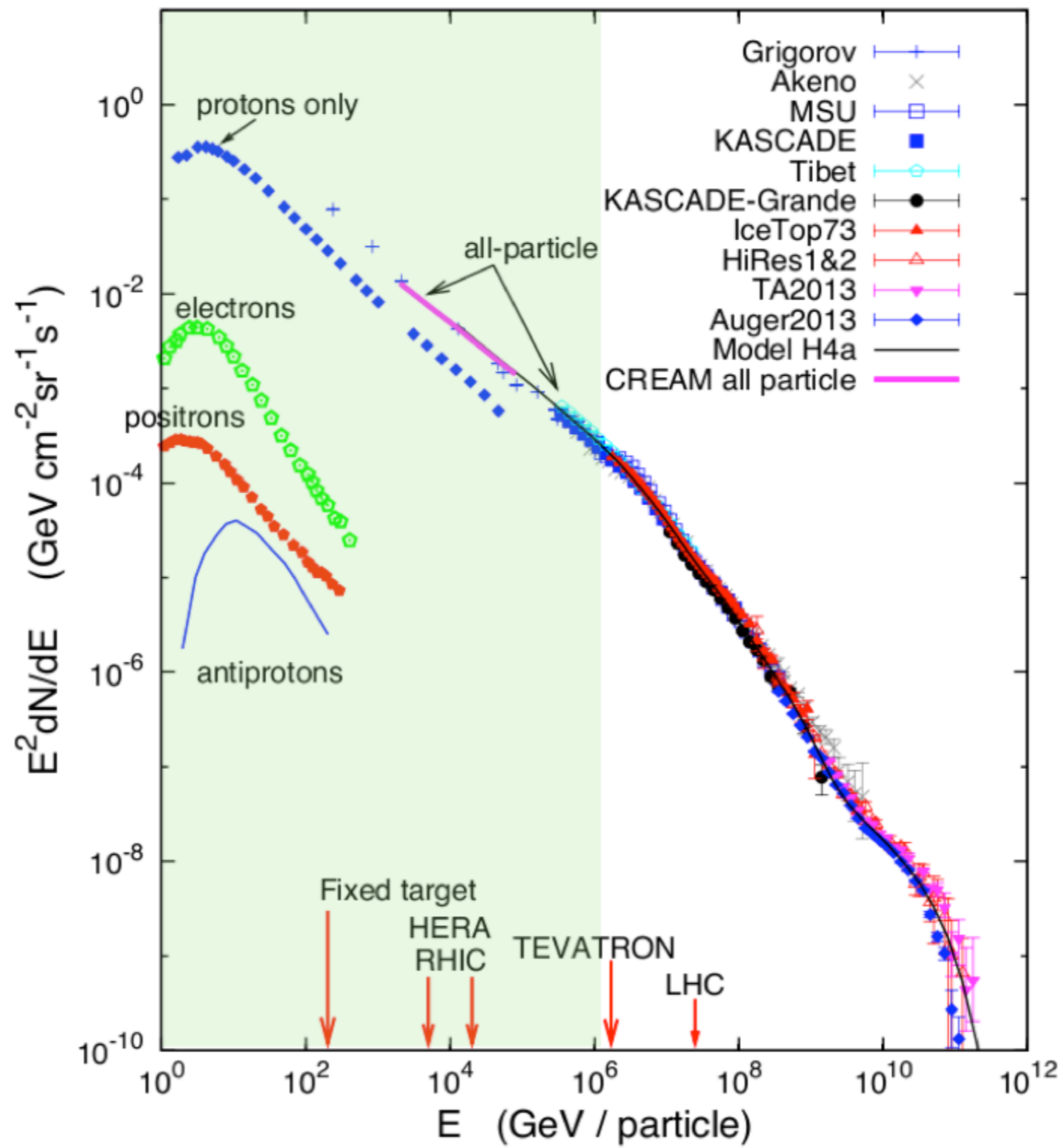
SN CR ene Galactic population of $E \sim 10^{18}$ eV sources or x-gal component?

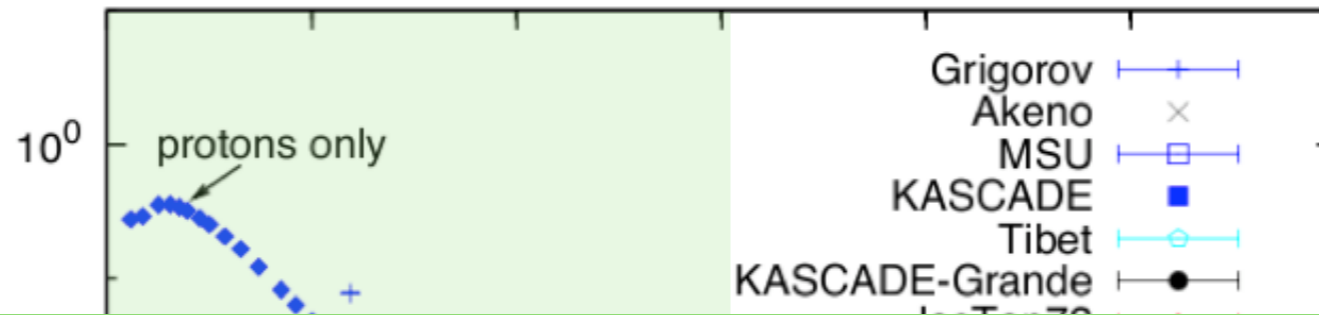


➔ K. Fang

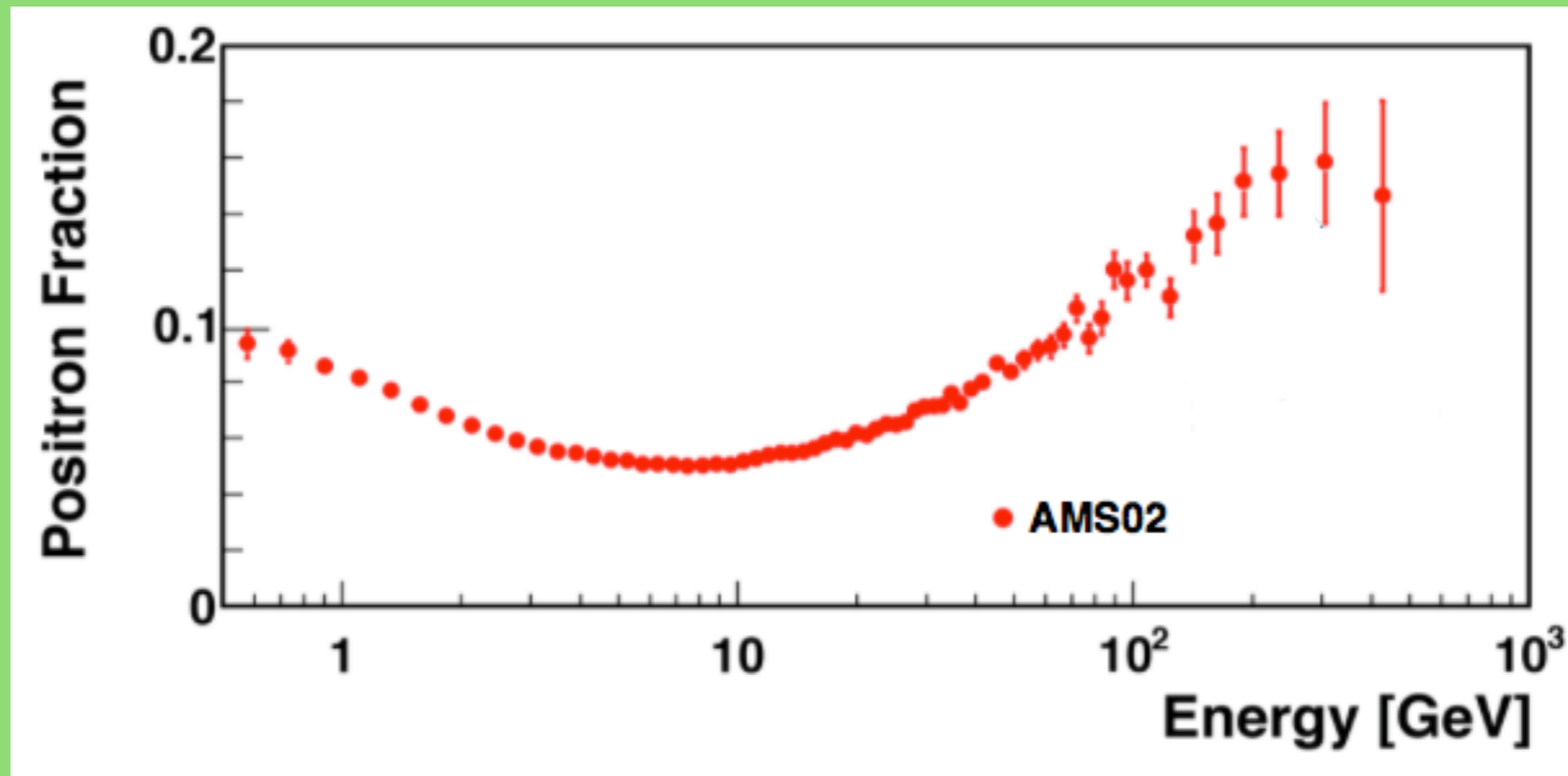
➔ M. Unger







Origin of rising positron fraction?



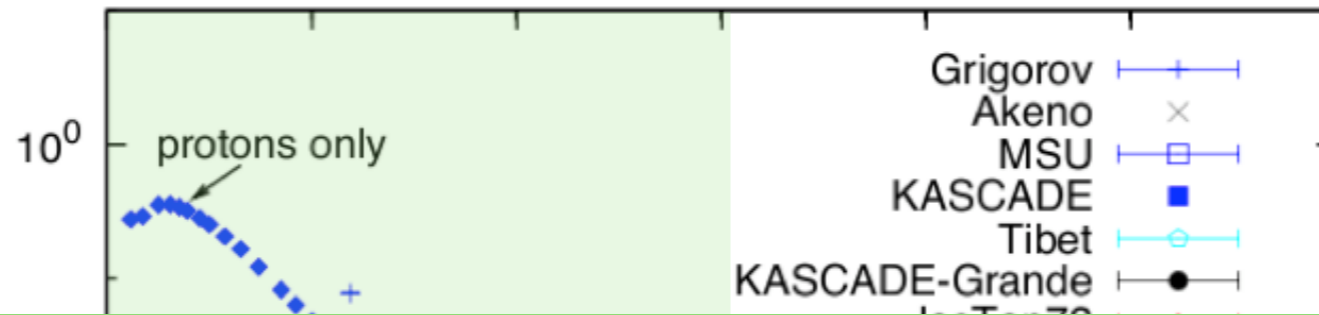
Secondary origin?

Propagation?

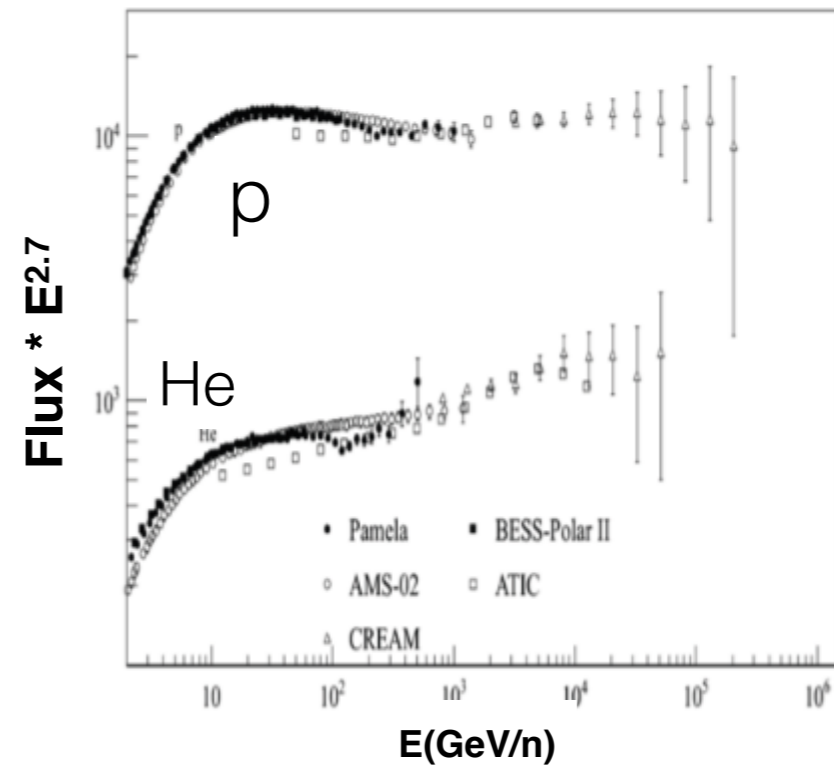
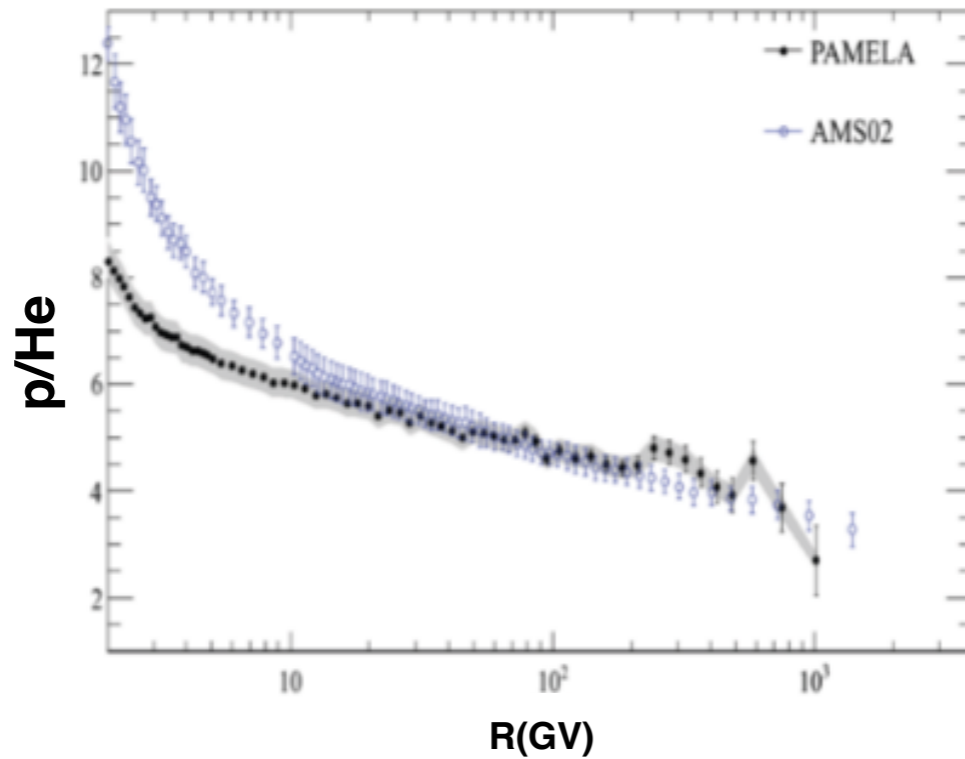
Local sources?

➔ talks by K. Blum, M. Kistler, N. Kawanaka



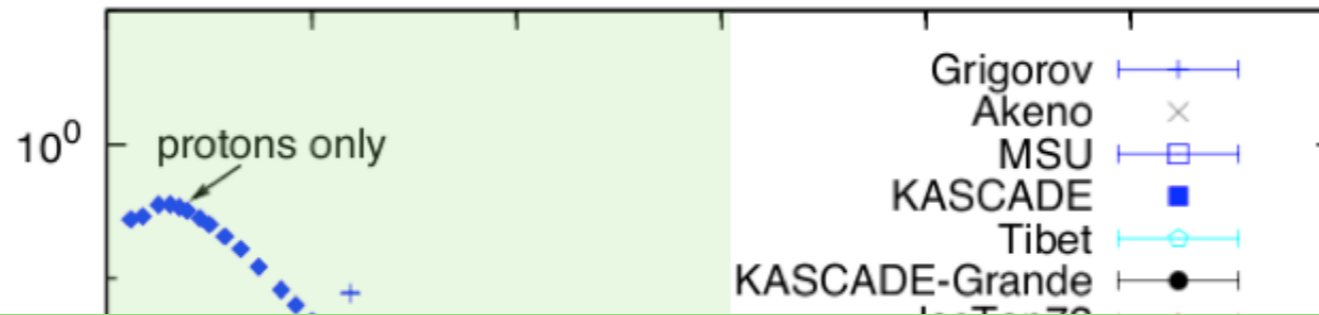


Origin of rising positron fraction? Spectral puzzles

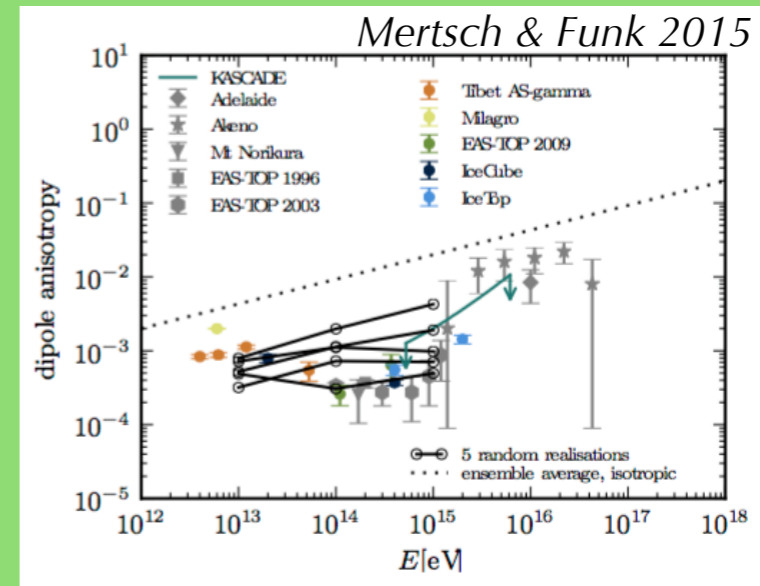
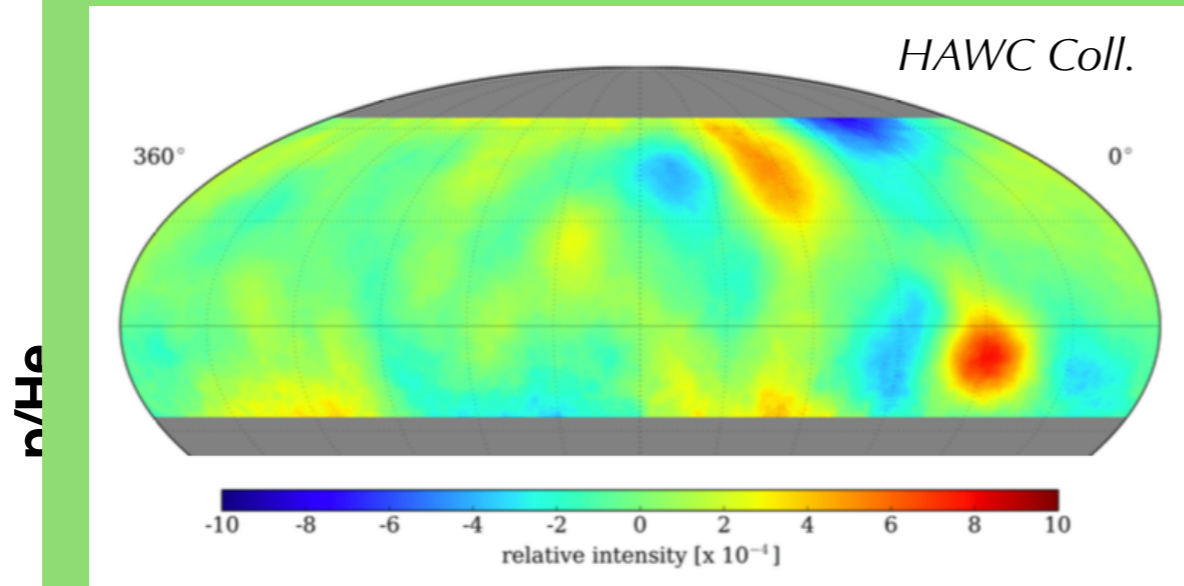


➔ *talk by N. Park*





Origin of rising positron fraction? Spectral nudges Origin of TeV-PeV anisotropy?



Energy/composition dependence? → *D. Fiorino*

Local source dist?/diffusion/magnetic effects? → *M. Ahlers*

