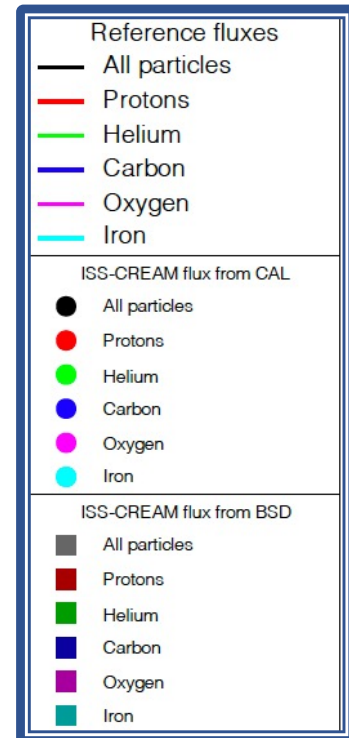
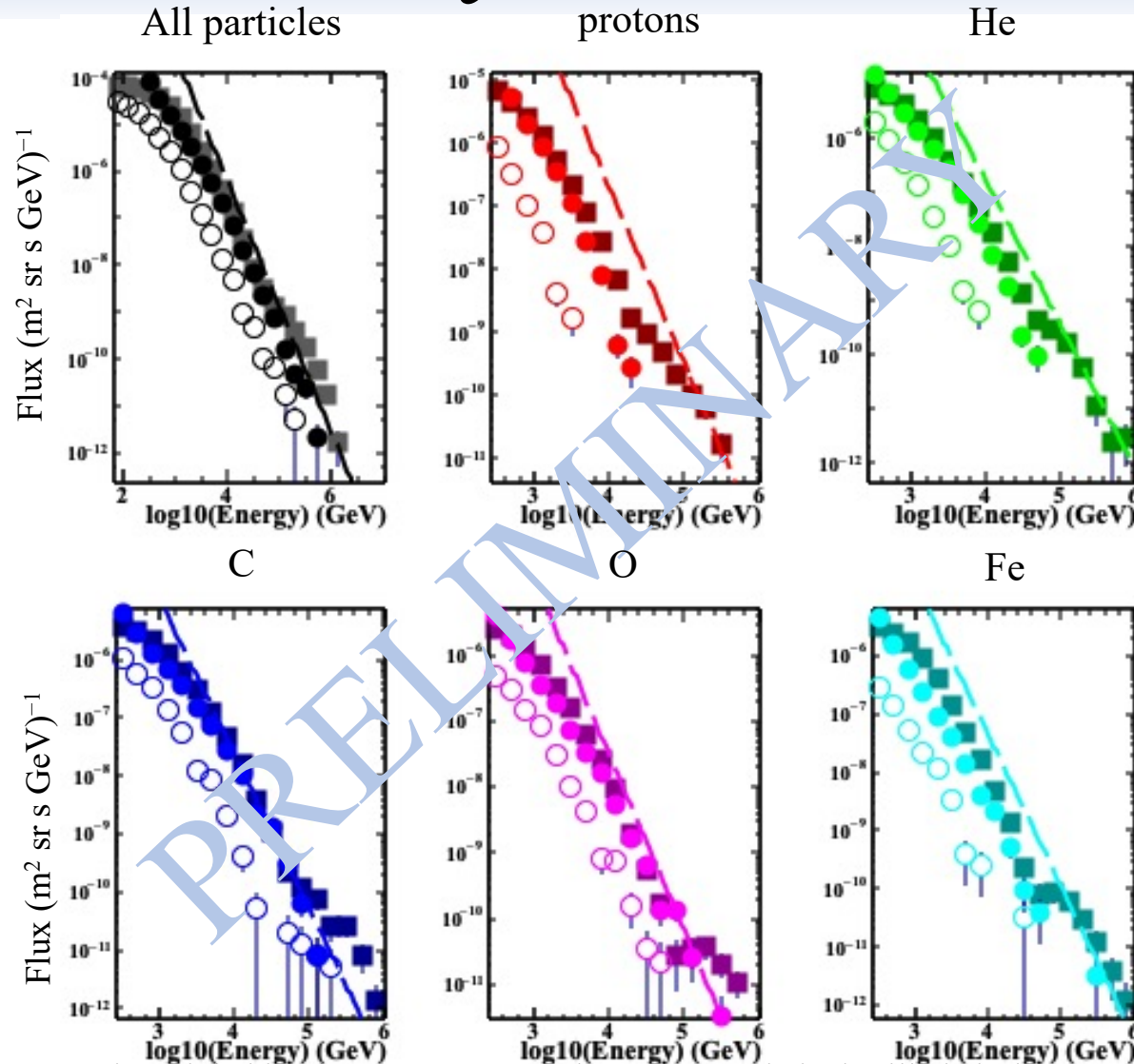


# ISS-CREAM: Preliminary results

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- Flux vs particle total kinetic energy for selected charges using conservative x6 scaling of CAL energies.
  - BSD calibration suggested factor of 6-8 solves many problems
    - More agreement between MC and on-orbit data
    - Reasonable fluxes/number of particle detections
      - Instrument threshold raised
    - Agreement between fluxes calculated with BSD and with CAL
- Future work:
  - Refine BSD calibration of CAL energy scale.
  - Refine proton selection cuts (tricky!).
  - Refine efficiency using on-orbit data compared to simulated data.
  - Estimate systematic errors.



Flux vs total particle kinetic energy. Errors shown are statistical. Filled circles (squares) are reconstructed from the x6 scaled CAL (BSD) energy deposit. Open circles are the flux using the original CAL energy scaling as described in the proceedings. Dashed lines are reference fluxes from

Wiebel-Sooth, Biermann, and Meyer, *Astron & Astrophys*, v.330, p.389-398 (1998).