

A₁ Paper Discussion

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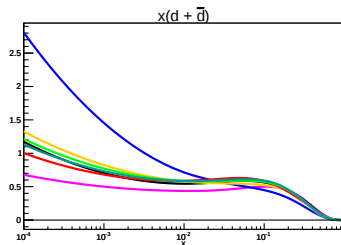
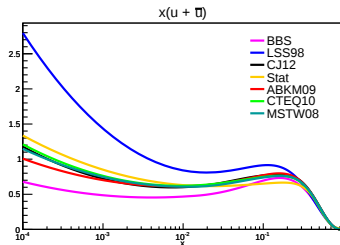
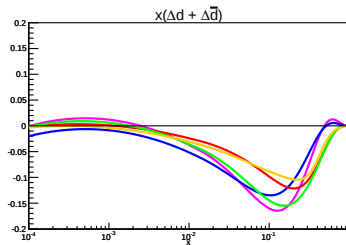
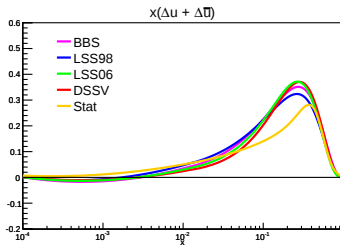
Outline

- 1 Models to Use in Plots
- 2 Plots for Paper
- 3 Summary

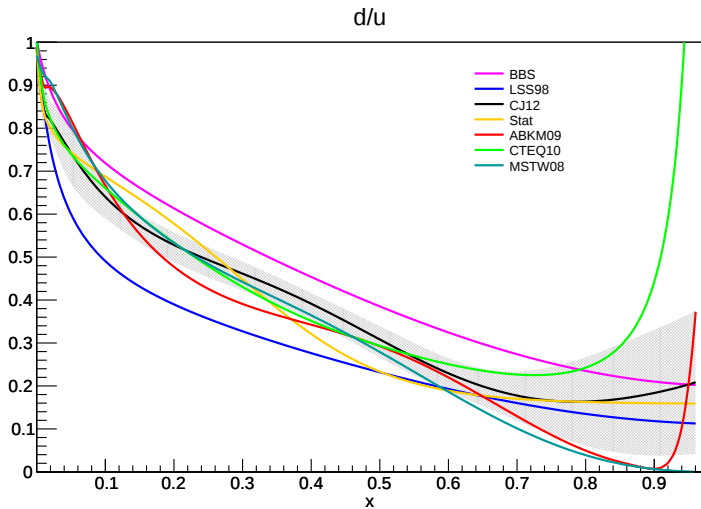
Models to Use in Plots

- When considering the plot of A_1 and $\Delta q/q$, we have found that different combinations of models give different predictions as a function of x
- To guide the discussion in the paper, we have to decide on which models to show
- See following slides for plots

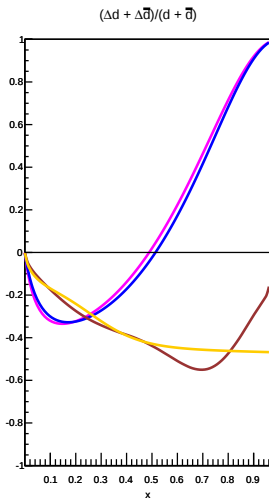
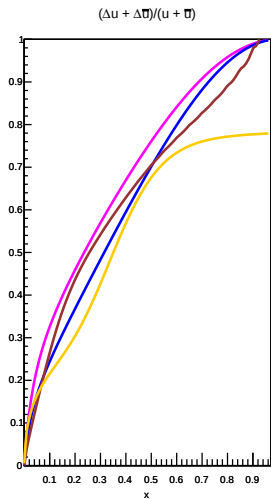
Unpolarized and Polarized PDFs



d/u

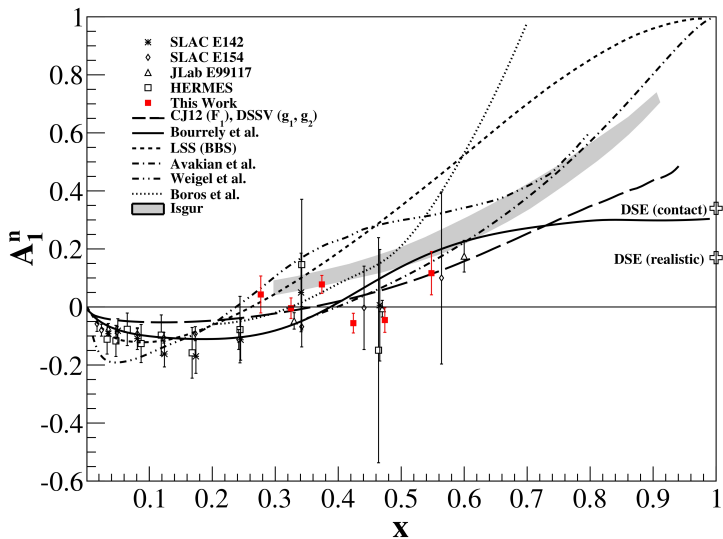


$\Delta u/u$ and $\Delta d/d$

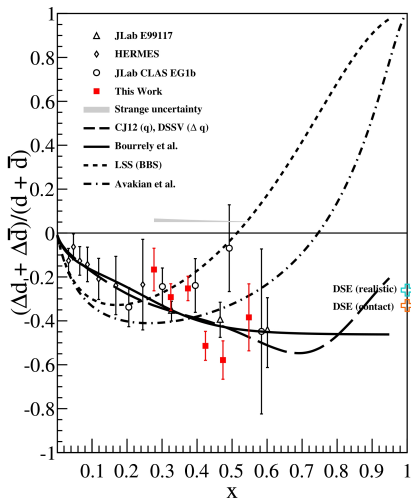
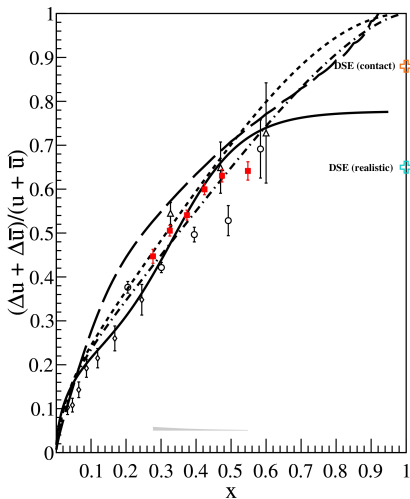


- BBS (Δq), BBS (q)
- LSS98 (Δq), LSS98 (q)
- DSSV (Δq), CJ12 (q)
- Stat (Δq), Stat (q)

Plots for Paper: A_1^n



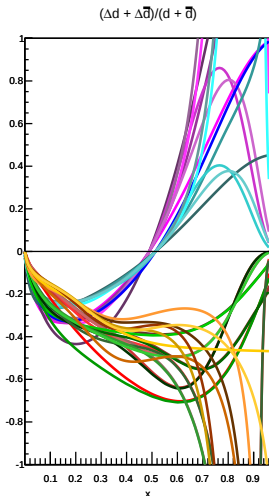
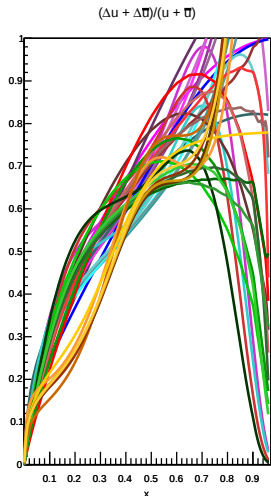
Plots for Paper: $\Delta q/q$



Summary

- When considering LSS (BBS) or Avakian *et al.*, $\Delta d/d > 0$ at large x ; if we consider recent fits (CJ12, DSSV), $\Delta d/d$ stays negative at large x
 - What models should we show, and what should the message of our paper be?

$\Delta q/q$: Various Model Combinations



- BBS (Δq), BBS (q)
- BBS (Δq), LSS98 (q)
- BBS (Δq), CJ12 (q)
- BBS (Δq), Stat (q)
- BBS (Δq), ABKM09 (q)
- BBS (Δq), MSTW08 (q)
- BBS (Δq), CTEQ10 (q)
- LSS98 (Δq), BBS (q)
- LSS98 (Δq), LSS98 (q)
- LSS98 (Δq), CJ12 (q)
- LSS98 (Δq), Stat (q)
- LSS98 (Δq), ABKM09 (q)
- LSS98 (Δq), MSTW08 (q)
- LSS98 (Δq), CTEQ10 (q)
- DSSV (Δq), BBS (q)
- DSSV (Δq), LSS98 (q)
- DSSV (Δq), CJ12 (q)
- DSSV (Δq), Stat (q)
- DSSV (Δq), ABKM09 (q)
- DSSV (Δq), MSTW08 (q)
- DSSV (Δq), CTEQ10 (q)
- LSS06 (Δq), BBS (q)
- LSS06 (Δq), LSS98 (q)
- LSS06 (Δq), CJ12 (q)
- LSS06 (Δq), Stat (q)
- LSS06 (Δq), ABKM09 (q)
- LSS06 (Δq), MSTW08 (q)
- LSS06 (Δq), CTEQ10 (q)
- Stat (Δq), BBS (q)
- Stat (Δq), LSS98 (q)
- Stat (Δq), CJ12 (q)
- Stat (Δq), Stat (q)
- Stat (Δq), ABKM09 (q)
- Stat (Δq), MSTW08 (q)
- Stat (Δq), CTEQ10 (q)