Smizanska

-well written paper; in a few cases some references and explanations useful to improve the readability should be added.

Dear referee,

Comments:

- masses are consistently quoted in MeV, whereas they should be MeV/c^2:
  (page 2, halfway down rightmost column (twice), section 2.2 on page 3, section 5, Fig 1 caption, and Table 1 header,
  **DONE**

- Explanation or reference for "DGLAP" (p. 3, column 1) is missing;
  **Sorry, I am not aware of mentioning DQLAP in the document. Thank you for clarification if I am wrong.**

- On the same note it would be useful to add a reference for all the MC or MC models that are used, i.e.: DJANGOH, CDM, RAPGAP, CASCADE, CCFM (p. 3, 2nd column); PHYTIA (fig. 7 and p. 5). Add at least an explanation for the "Peterson and Kartvelishvili functions" end of p. 4; HQVDIS (p. 6, column 1);
  **There is no Fig 7 or page 5 or 6. Perhaps these comments belong to somewhere else? Thanks for clarification.**

- references: for published papers (i.e. ref 5 and 7) do not add arXiv info.
  **DONE**

- both figures in Fig 3: plots are so small that the numbers and labels on the axes are not legible. Suggest having each plot as a full-width figure and stack them vertically (not horizontally, as they are now) This suggestion may result in the page limit being violated, in which case section 2 can likely be trimmed by a few lines.
  **Unfortunately ATLAS collaboration approved this Figure as a 'Double Figure' so I have no right to split the Figure into two parts. Sorry, I had to leave it in the current form.**

- The template is not followed systematically:
• I shortened too large free spaces between Figures and their respective captions, which made the text more compact.

  • Section titles should be all written with capital letters, please modify

    • DONE

Thank you,

Maria Smizanska, Lancaster.