

Replies to referees

Dear Referee,

We would like to express our sincere gratitude for your comments and suggestions. Your thoughtful feedback has been instrumental in enhancing the quality of our manuscript.

Enclosed, please find our detailed responses (colored blue), which are interspersed between your original comments for your convenience and ease of reference.

Thank you once again for your work.

Best regards

Thank you for the fascinating overview of the AI4EIC hackathon, a successful event with the participation of 10 teams worldwide. The paper explains very well the motivation, development, and outcome of the hackathon.

I find the paper well-written and with excellent development across sections. I have a few observations and suggestions listed below:

General:

* I am afraid the instructions for authors request a single-column format (<https://indico.jlab.org/event/459/page/356-proceedings>). Please change the format accordingly. Be aware of the limit of 8 pages also prescribed.

This has been changed to a single-column format. We do not exceed the 8 pages limit.

Page 3:

* On the description of the dataset, could you clarify if the pions and kaons provided include charge-conjugated modes as well, or if only charged-positive particles are provided?

Only positive charged particles have been used. This is clarified both in the "Hackathon Challenges" paragraph in Sec 2 and in the paragraph on the "Datasets" in Sec. 3 (we explicitly refer to π^+ and K^+), as suggested.

* Tables 1 to 3: The last column on the right does not provide any new

information in addition to what is described already in the text. I suggest to remove the column.

We removed the column.

* Tables 2 and 3: as the kinematics ranges are the same, tables can be merged into a single one if reducing pages is required after the change of format, and using the caption to explain the difference between questions 2 and 3.

We merged Tables 1, 2 and 3, as suggested and used the caption to explain the difference between questions 2 and 3.

Page 4:

* Section "Training infrastructure" - The text refers to Fig 4, but the description corresponds to Figure 3.

Corrected.

* Section "Computational resources" - Were the AMS instances sponsored? I suggest to clarify. It can be valuable information for communities interested in replicating the event.

Resources have been sponsored by AWS, and we report this in the Acknowledgments.

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