

Type A:

L93 Fig. -> Section and Table are not abbreviated; why Fig.? → use now abbreviations for all.

Tab. 1 Move units to column titles? → ok

L135 "from the beam line" -> "from the interaction point" or "from the beam", since the beam line would include the outer layer of the beam pipe... → ok, "from the beam"

L400 "of" twice → ok

Type B:

Abstract: The sentence "The design..." suggests that this is a new design. Suggest to drop that sentence and add to the last sentence "...during data-taking, which proved the capability to cope with the higher instantaneous luminosities achieved by the LHC after the winter shutdown 2016/2017." → prefer to keep, as the phase 1 detector is a new design.

L88 23mm? → yes

Fig. 4 Did the FPIX use a different HDI, since it looks different in these drawings? → yes, this is stated in Section 3.5.

L208 processing -> assembly? → ok

Fig. 5 The right one is not a photo, is it? → no, caption fixed.

L228 What is the effective mechanism for FPIX to achieve good resolution/charge sharing? → It is mostly given by the geometry, that is the inclination of the track with respect to the sensor. Changed to: "is caused by the geometric tilt of the modules and not by the magnetic field."

Tab. 3 "~3%" is odd statement for a design requirement; should be a limit → indeed, changed to <3%

L402 "400 MHz clock" -> when is this clock domain used? → for readout.

Acknowledgments: There were several irradiation campaigns within AIDA2020 during the developments for this detector.

One acknowledgement is hidden in [14], but could be repeated here.

See <http://aida2020.web.cern.ch/science/publications> → ok, added.