

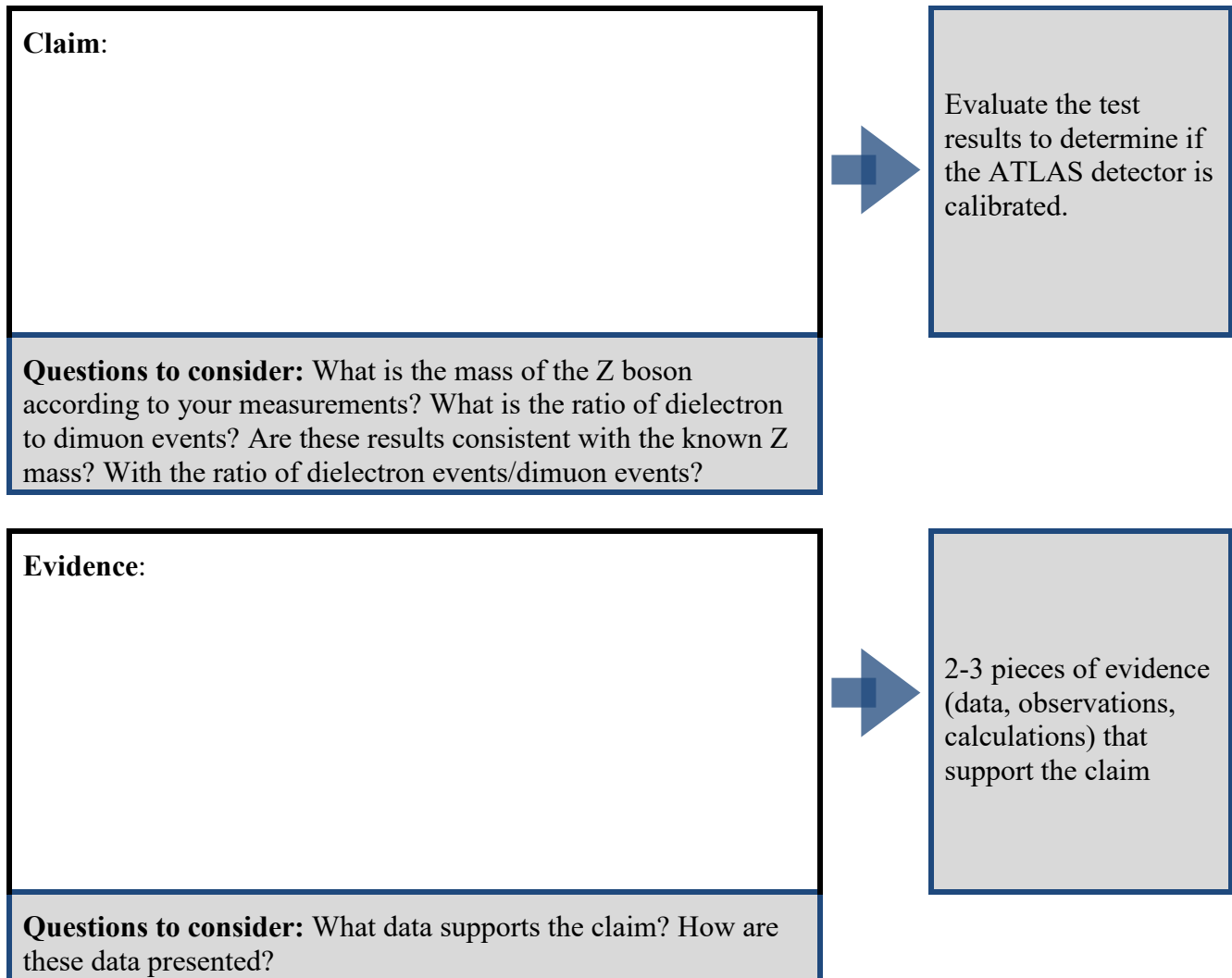
ATLAS Student Operations Shift Report: ATLAS Data Express

Describe the tests to determine if the ATLAS detector is calibrated.

Reason this is important to ATLAS operation:

Physics principles in detection and measurement of electrons and muons:

Reasoning to support that the tests described above will determine if the ATLAS detector is calibrated.:



Reasoning:



Justify how and why the evidence backs up the claim. Use scientific principles to explain *why* you got this data. Use and explain relevant scientific terms.

Questions to consider: How do these data compel this claim? Is anything left out?

Sources of Uncertainty in Measurement:



Estimate the uncertainty in measurement and discuss what might cause it.

Question to consider: Why and to what extent can we trust your results?