Firstly, the topic that interests me profoundly is the topic of dark matter and cold dark matter, since scientists haven’t found out about what type of particles make up this invisible mass, which is believed to add gravity to galaxies as well as other bodies and therefore interact via gravity. Alongside dark matter, dark energy seems to also confuse me. This is because I would like to know the significance of it to our galaxy since it is spread out throughout the whole universe.

Secondly, another discovery that greatly piqued my interest is the idea of haloes, which are, supposedly, clumps of gas. According to the article, galaxies seem to inhabit within the haloes but do not affect them in any way, which is strangely fascinating since I thought that the gas would be very reactive, as I believed it would be under high temperatures after the Big Bang.

Furthermore, the third thing that I found surprising is the number of postulations that have been changed due to the models. Although the article outlines a couple, the one that I found to be shocking was a combination of the above two interests. The idea that the gas flowing into the galaxy along these ‘filaments’ of dark matter is something that I believe is slightly unexpected. This is because gas fills up space and usually we would have to use containers to direct the gas into something, whereas with this discovery, scientists have found out that in fact, the gas flows along particular pathways into the galaxy.

From this article, one thing that still confuses me is how ordinary matter and dark matter interact with each other and what the cause of this is, since modellers and scientists have worked together to identify that the models would have to change and be adapted in order to be as close and approximate to reality as possible.