

# Journal club minutes - Sep 12th - B-tagging question session

=====  
Aug 8th 2018 - Journal club meeting minutes  
=====

This week we start with the new format. Tim has been ill so Rebecca will cover for him this week.

In attendance:

- o Cesar
- o Gang
- o Greg
- o Maia
- o Neha
- o Patrick
- o Rebecca

-----  
Topics:  
-----

- Questions for next time
- Who wants to do the Higgs paper? (not greg)

-----  
Details  
-----

- General questions:
  - o What is b-tagging? Why do we bother with it? Why don't we try flavour-tagging all jets?
  - o Why is lifetime a factor in b-tagging: lifetime of what exactly?
- More specific:
  - o Why are IBL and the B-layer named the way they are?
  - o What could we change in our detector to improve b-tagging?
  - o ATLAS has 3 baseline algorithms for b-tagging: what are they?
  - o What are the key players in those algs? What are the limiting factors?
  - o In what way does CMS do things differently?

++++  
Next time: Tim will chair, Ben will be expert, and we will discuss the questions!  
++++