

# 2024 ATLAS-CMS Flavour Tagging Workshop



**Monday 9 September 2024 - Friday 13 September 2024**

## Scientific Programme

The workshop will bring together the ATLAS and CMS Flavour tagging communities. The techniques used to identify heavy-flavoured jets in resolved and boosted topologies will be discussed with plenty of time allocated for discussions.

The workshop will feature public plenary sessions as well as internal parallel sessions. Invited speaker on theory modeling aspects of heavy-flavored jets as well as advanced machine learning techniques are also foreseen.

**Scientific programme of the plenary sessions:**

- Algorithms for the identification of jet flavours: from impact parameter-based tagger up to transformers
- Calibration techniques to measure b- and c-tagging efficiency in data
- Identification of boosted bb/cc jets
- b-jet triggers
- Software developments
- State-of-the-art machine learning techniques for flavour tagging
- Modeling aspects of b- and c-jets: fragmentation functions, b-jets labeling at higher order

## **Atlas Internal**

### **Scale Factors**

### **Software and Trigger**

### **Algorithms**