



## Atlantis Tutorial — Advanced Features

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# Introduction to the advanced features

During the first session, we will show you how to:

- Use object colouring to show associations between objects
- Identify electrons using the TRT information
- Use the  $\eta\phi$ -projection and the built-in hit filter to identify tracks and secondary vertices
- Reconstruct secondary vertices in Atlantis
- Calculate the invariant mass of objects

## Hands-on session

Now you are going to investigate the remaining events yourself,  
using the tools we have just demonstrated

We will be walking around to answer any questions

After 10–15 minutes per event we will demonstrate centrally what  
information you could have found in the event

## Bonus material

- Additional events can be found on <https://atlas-live.cern.ch/>
- Interesting trigger streams are JetTauEtmis and Egamma
- As soon as the 2012 physics data taking starts, you can use these links to look at live physics events

# Backup slides

## Download/webstart links

- <https://indico.cern.ch/getFile.py/access?resId=0&materialId=0&confId=178785>
- <https://atlantis.web.cern.ch/atlantis/AtlantisJava-09-16-02-05-webstart/atlantis.jnlp> (zip)
- <https://atlantis.web.cern.ch/atlantis/AtlantisJava-09-16-02-03-webstart/atlantis.jnlp> (zip)
- <https://atlantis.web.cern.ch/atlantis/AtlantisJava-09-16-01-08-webstart/atlantis.jnlp> (zip)