

Comparing the DBscan Methods

D.McKee

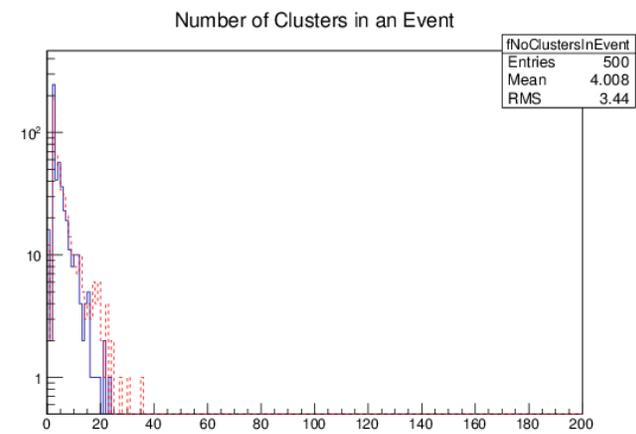
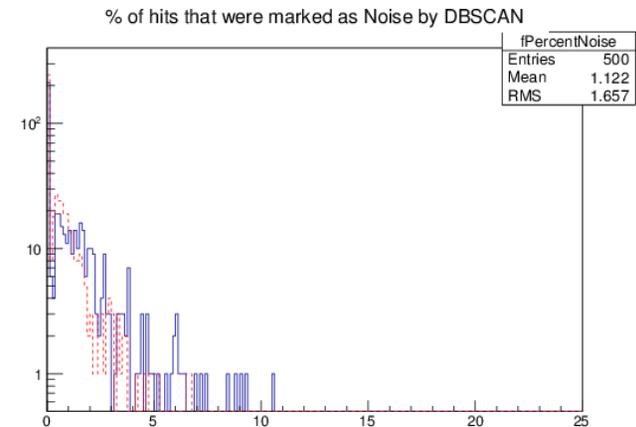
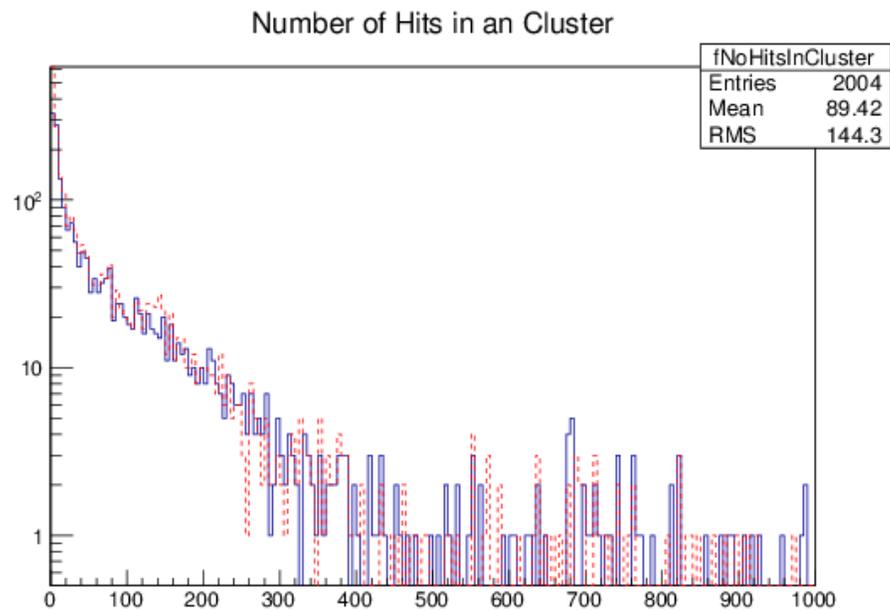
12 April 2012

LArSoft phone meeting

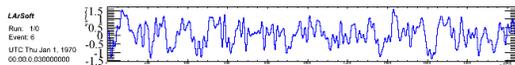
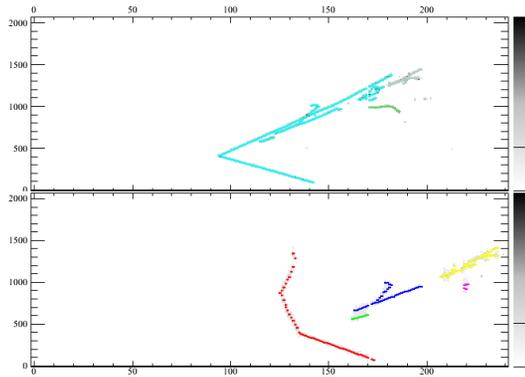
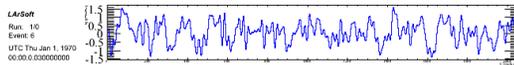
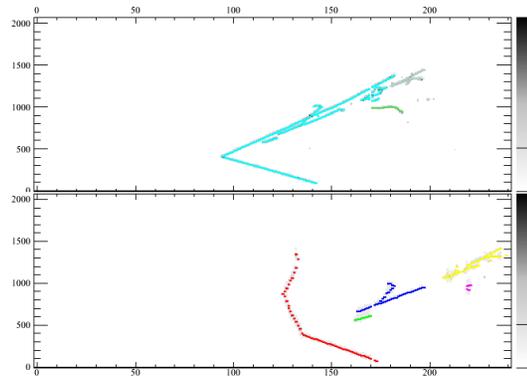


High-Level Overview

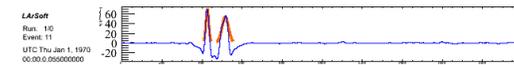
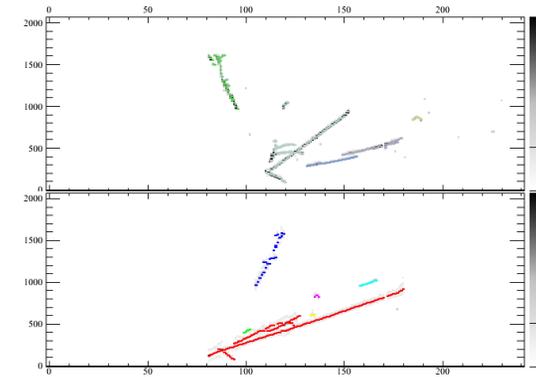
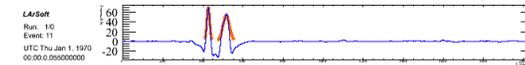
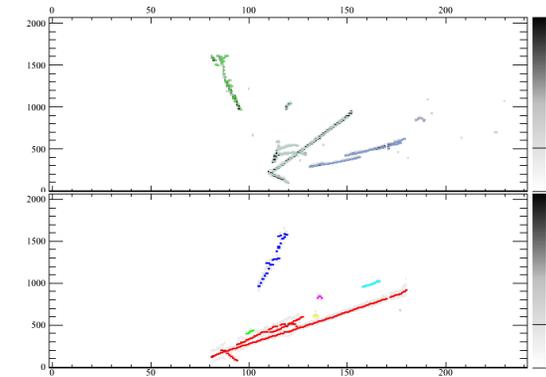
500 Genie events in Argoneut reconstructed with the original and the new (dashed-lines) DBScan.



Events with very similar clustering



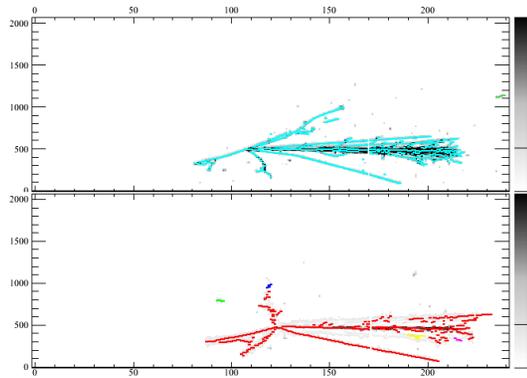
slow



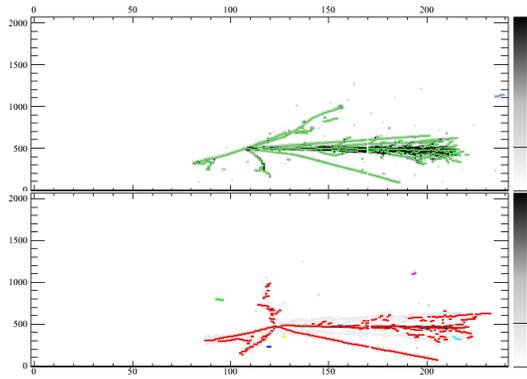
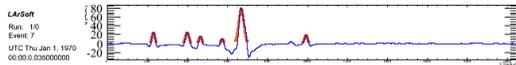
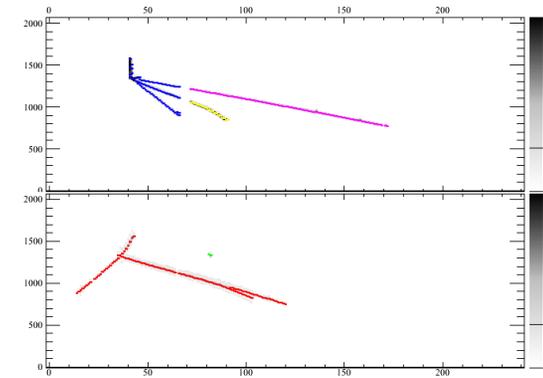
fast



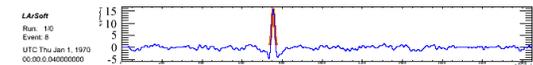
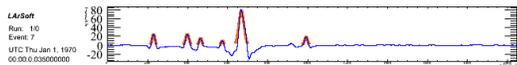
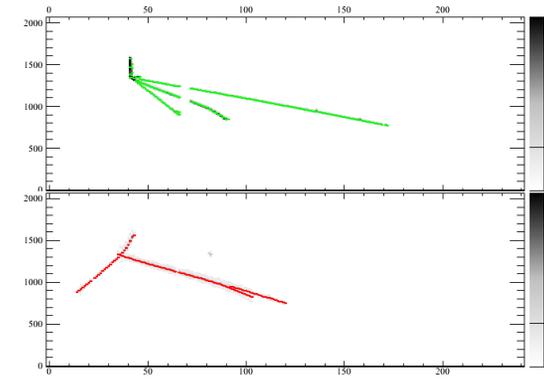
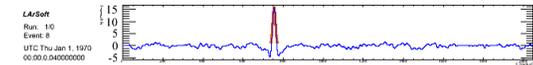
Events with very different clustering



slow



fast



Summary

The new version is not identical to the old, but it is often very similar

Both versions seem to be sensible.

I can't say exactly what causes the difference.