How To Set Up and Use The Tritium Replay Code

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October 19, 2017

Chapter 1

Introduction

The official replay code for the tritium family of experiments lives in GitHub. This decision was made to allow better version control in a large collaboration. The main repository will have everything set up for working on the *aonl* machines. This document will walk you through setting up your fork of this repository to work in your personal workspace.

This document assumes that you already have ROOT 6 and the Hall A Analyzer version 1.6 installed in your personal workspace.

Chapter 2

Setting Up The Code

2.1 Directory Structure

The code has been set up so that the number of lines that need to be changed to reflect your directory structure can be kept to a minimum.

In rootlogon.C:

1. Set *char* replay_dir_prefix* to the directory where your code lives. There must be a trailing */%s*.

In def_tritium.h:

3. Set *char* REPLAY_DIR_PREFIX* to the directory where your code lives. There must be a trailing */%s*.
4. Set *char* ROOTFILE_DIR_PREFIX* to the directory where your root files will be stored. There must be a trailing */%s*.
5. Add the location of your raw data folder to the *static const char* PATHS[]* array if you do not have access to the standard directories.

For example, these are the values of the prefix variables in def_tritium.h:

```
const char* REPLAY_DIR_PREFIX = "/adaqfs/home/a-onl/tritium/HallA-Online-Tritium/replay/%
const char* ROOTFILE_DIR_PREFIX = "/chafs1/work1/tritium/%s";
```