# Description

This is a CAD library to manage data across multiple electronic CAD tools.

# Applicable Projects

* Caribou v2.0 project
* Internal projects at contributor sites

# Primary Developers

* Brookhaven National Laboratory
* Carleton University Particle Physics Instrumentation Group

# Table Descriptions

Primary keys in each table are indicated with “PK”

* CAD\_table
  + Relates parts to the **preferred** CAD files. A single part can have many CAD models or data files but only a few are preferred and/or tested.
  + MFG = Manufacturer
  + PN = Part Number. This is the primary manufacturer part number (not distributor, not internal)
  + All symbols, footprints, and simulation models are references to CAD files in the Data\_table
* Data\_table
  + path: This can be a path to a file or a section of a file.
    - If this refers to sections of a file, identifiers relevant to each CAD tool should be used.
    - Symbols recognized by the CAD tool can be used. This is useful for default libraries.
  + author: The most recent editor of the data. As soon as the data or a file is modified, the author is considered to have changed. This is for liability tracing
  + release\_version:
    - If a default library is used, the exact release version should be indicated.
    - If a file was directly downloaded from a manufacturer, the date of the download should be indicated.
  + sym\_group:
    - Some parts are best represented by multiple separate symbols. This indicates that they should be grouped together.
  + deployment\_history: A short description of the harshest environmental deployment that the design within the file has survived. Examples include “not deployed”, “functional”, “functional after shock and vibration testing…”, “functional after high temperature testing...”