

MLResponse class in O2Physics

- In O2Physics, the models in .onnx format are handled by a dedicated class, [O2Physics/Tools/ML/MLResponse.h](#)
- The status of MLResponse includes
 - The model paths
 - The .onnx models themselves
 - The collection of the input features of the model
 - The ML cuts to be applied to the data
- Once declared, use the [configure](#) and [init](#) methods
 - [setModelPathsLocal](#) and [setModelPathsCCDB](#) methods are used to pass the model paths
- [isSelectedML](#) method
 - Applies the ML selections as configured in MLResponse

ML inference on the WLCG

- You can upload your ML models in your CCDB folder
 - See <https://alimonitor.cern.ch/ccdb/upload.jsp>
- This allows you to carry out the ML inference on the Grid
 - Run the ML selection through hyperloop over large data samples

New CCDB object upload

Path:	<input type="text" value="My/Object"/>	Appended to your user space (alice-ccdb.cern.ch/Users/c/ciacco/)
File:	<input type="button" value="Browse..."/> No files selected.	Binary blob to upload, max 500MB
Validity	<input checked="" type="radio"/> Infinite	Global object, valid from 1 to ∞
	<input type="radio"/> Timestamp, from <input type="text"/> to <input type="text"/>	Absolute epoch timestamp (in milliseconds)
	<input type="radio"/> Run numbers, from run no. <input type="text"/> to run no. <input type="text"/>	Run numbers, like 245146 (both ends fully included)
	<input type="button" value="Upload"/>	