



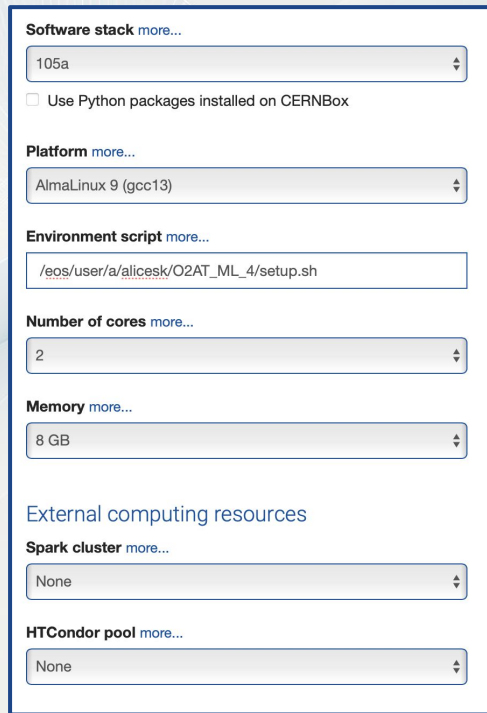
# Machine Learning hands-on tutorial

- Link to Machine Learning session folder:
  - ◇ [github.com/AliceO2Group/analysis-tutorials/tree/master/o2at-4/machineLearning](https://github.com/AliceO2Group/analysis-tutorials/tree/master/o2at-4/machineLearning)
- Open the SWAN project by clicking on  **Open in** 
- ◇ Use this configuration to run the code:
  - Environment script: `/eos/user/a/alicesk/O2AT_ML_4/setup.sh`
  - Software stack: **105a**
- Open the `MLClassification/DsBDTrun3.ipynb` file under the `o2at-4/machineLearning` folder, we will use it for the tutorial

## Useful links:

[hipe4ml](#): python package developed in ALICE for data handling and machine learning

[XGBoost](#): library for using Boosted Decision Trees



The screenshot shows the SWAN configuration interface with the following settings:

- Software stack** more...: 105a
- ☐ Use Python packages installed on CERNBox
- Platform** more...: AlmaLinux 9 (gcc13)
- Environment script** more...: /eos/user/a/alicesk/O2AT\_ML\_4/setup.sh
- Number of cores** more...: 2
- Memory** more...: 8 GB
- External computing resources**
- Spark cluster** more...: None
- HTCondor pool** more...: None