

How to selected a GPU

Select any GPU

- On this example we choose one GPU with at least 8192 MB memory.

```
#!/bin/bash

#SBATCH --partition=gpu
#SBATCH --gres=gpu
#SBATCH --mem=8192MB

COMMON=/usr/local/cuda/samples/common
SAMPLE=/usr/local/cuda/samples/5_Simulations/nbody

[ -d ../common ] || cp -r $COMMON ..
[ -d nbody ] || cp -r $SAMPLE .

module load cuda
cd nbody
make clean
make

if [ -e nbody ]; then
  chmod u+x nbody
  ./nbody -benchmark -numbodies=2560000
fi
```

Select a specific GPU: V100s

```
#!/bin/bash

#SBATCH --partition=gpu
#SBATCH --gres=gpu:v100s
```

```
COMMON=/usr/local/cuda/samples/common
SAMPLE=/usr/local/cuda/samples/5_Simulations/nbody
```

```
[ -d ../common ] || cp -r $COMMON ..
[ -d nbody    ] || cp -r $SAMPLE .
```

```
module load cuda
cd nbody
make clean
make
```

```
if [ -e nbody ]; then
  chmod u+x nbody
  ./nbody -benchmark -numbodies=2560000
fi
```

GPU list

You can find the full GPU list per cluster [here](#)

Revision #4

Created 16 March 2023 16:12:54 by João Pina

Updated 26 June 2025 12:29:36 by João Paulo Martins