

## Thrust exercises

- This exercise is similar to the one from this morning, but we will use Thrust to manage memory, kernel launches, and suchlike details.
- Karen Tomko has kindly volunteered to be online to help us over chat; her Skype ID is ktomko1, gmail katomko.
- Compiling and running:

```
qsub -I -l nodes=1:ppn=12:gpus=2 -l walltime=01:30:00
# Wait a minute for job to start
cd $TMPDIR
module load cuda
cp -r $HOME/goofitcourse/exercises/* .
nvcc -o lab2 -arch=sm_20 exercise2.cu -L./rootstuff/ -lRootUtils
export LD_LIBRARY_PATH=${LD_LIBRARY_PATH}:/rootstuff/
./lab2 256
```

- rootstuff directory contains TMinuit and TRandom, which saves us getting all of ROOT for this simple program. If you need to compile it, do

```
cd rootstuff
gmake
```