## Cuba:

Devoce

| CPU Memory 6PU Memory

{ Malloc { cuda Malloc
Free } cuda Free }

| Cuda Memory

N: number of "blocks"

J

group of threads that chare

a scratch pad

> number of threads per block
<>< N, t >>>

Lynumber of blocks

block  $fdx.x \rightarrow Block ID$ thread  $Idx.x \rightarrow Thread ID$ .

block  $Dim.x \rightarrow Number of threads per block (t).$