

- Agreed to 1 meeting per month
 - Next meeting on 8/9/17
- Accuracy of math computations needed for BLonD:
 - There might be phases where double precision is not needed so we can fall back to single precision to gain in speed
 - **Action point Konstantinos** : Measure the speedup gained by using single precision floats in some core functions
- Convolution matrices:
 - Different implementations for sparse/ dense matrices
 - **Action point Konstantinos – Helga** : Are the matrices sparse or not?
- Apply for access to the Greek Super Computer ARIS
 - Also have a look at STFC UK Super computer
 - We can start from smaller scales but apply for bigger systems if needed
- **Action Point Konstantinos**: What are the typical FFT sizes and values used?
- **Action Point Konstantinos**:
 - Use a graph to sum the levels of parallelism we can exploit in our code. It will help to better understand BLonD
 - Also a summary of the data structures and Algorithms used
- ISPASS conference:
 - Deadline end of September
 - **Action point Konstantinos**: Prepare table of contents to target this conference
 - The impact of BLonD in accelerator physics should be part of the paper
 - Memory behaviour analysis:
 - Cache misses etc
 - Bandwidth
 - This will allow us to experiment with resource allocation
- Create a shared dropbox folder
- We can use the infrastructure of micro lab for power consumption measurements