DAS-HEP
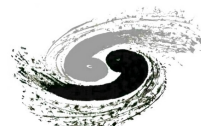# @
BESIII Winter School 2020

Institute of High Energy Physics
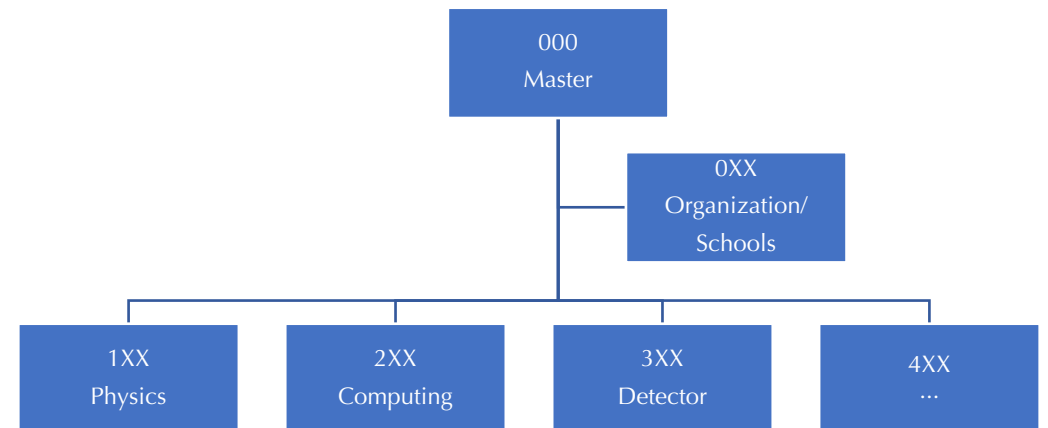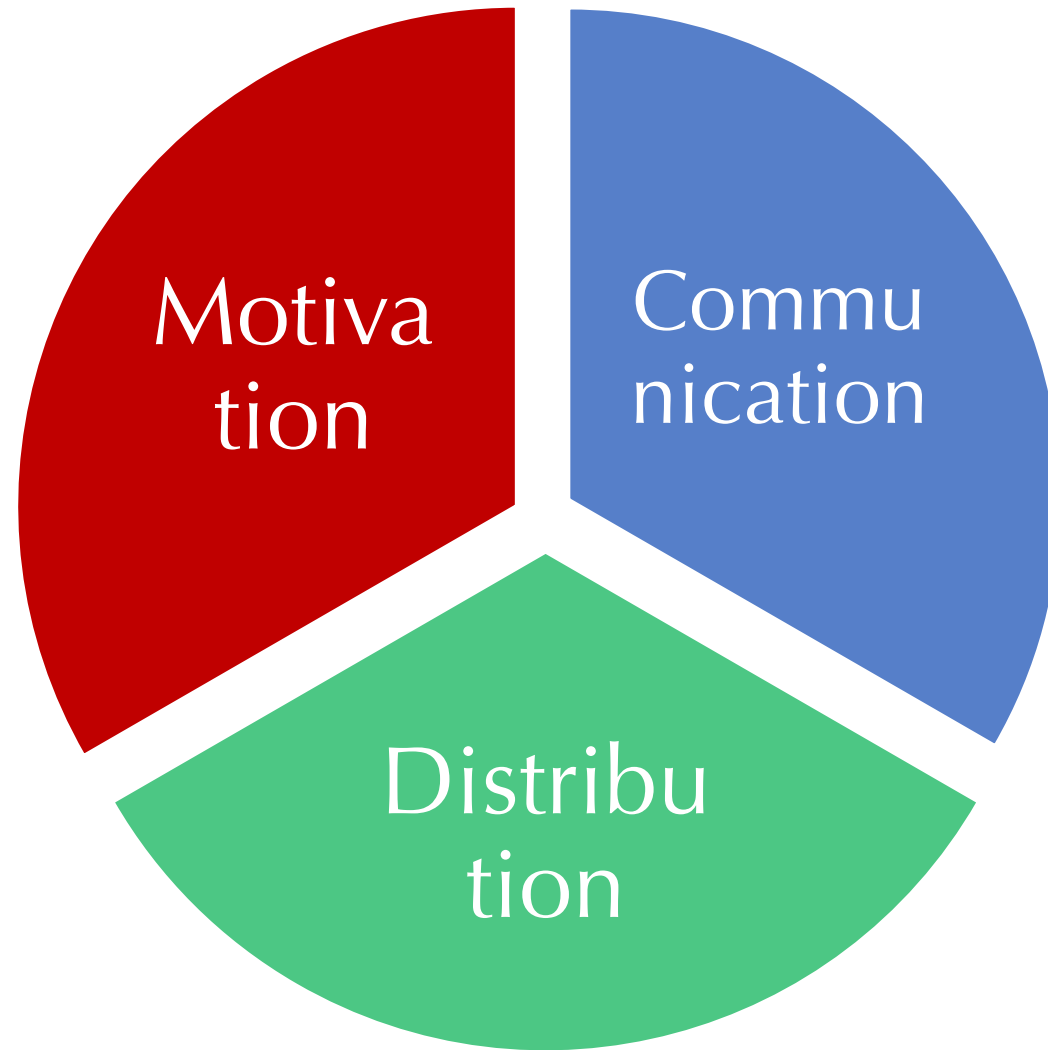Chinese Academy of Sciences

Xin Shi

shixin@ihep.ac.cn

DAS-HEP and orgnization

- Distributed Analysis Scheme for High Energy Physics

- Goal: transform a new student to a productive and collaborative researcher
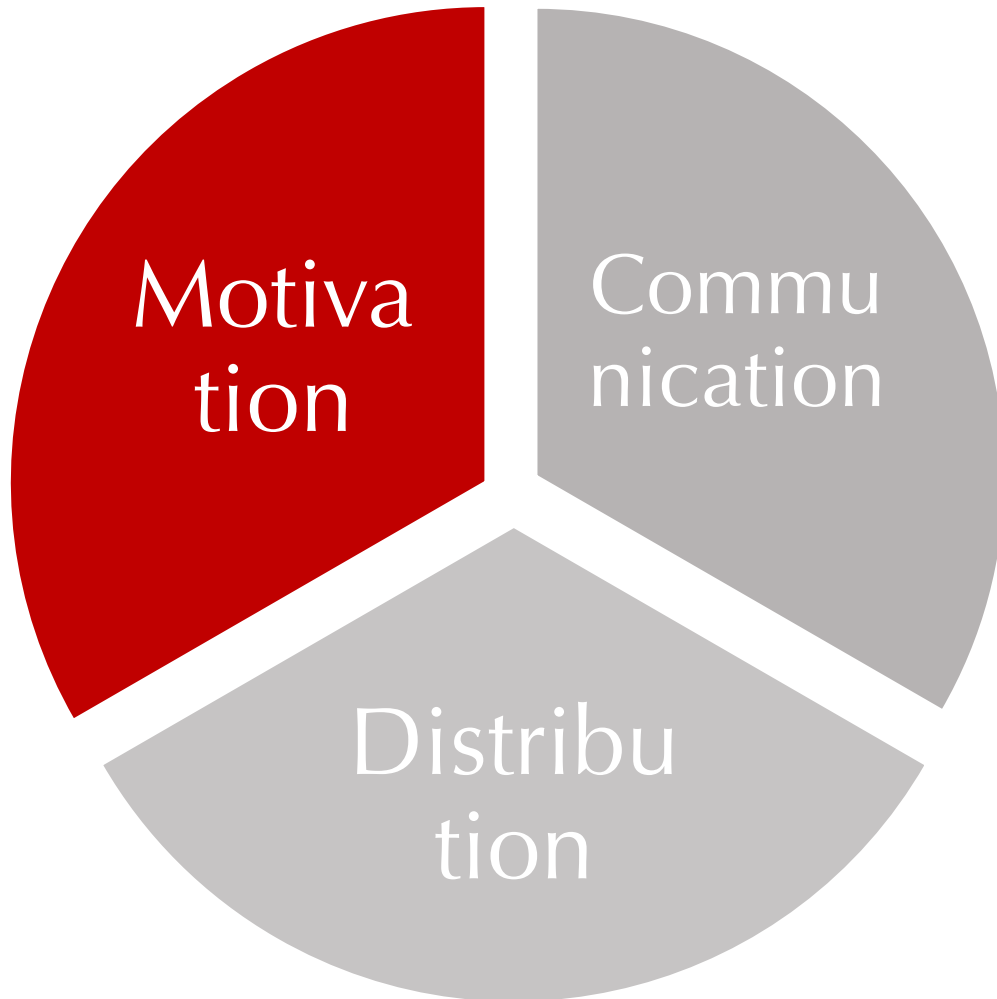
- With Schools and online courses

Course Overall Structure

000
Master

0XX
Organization/
Schools

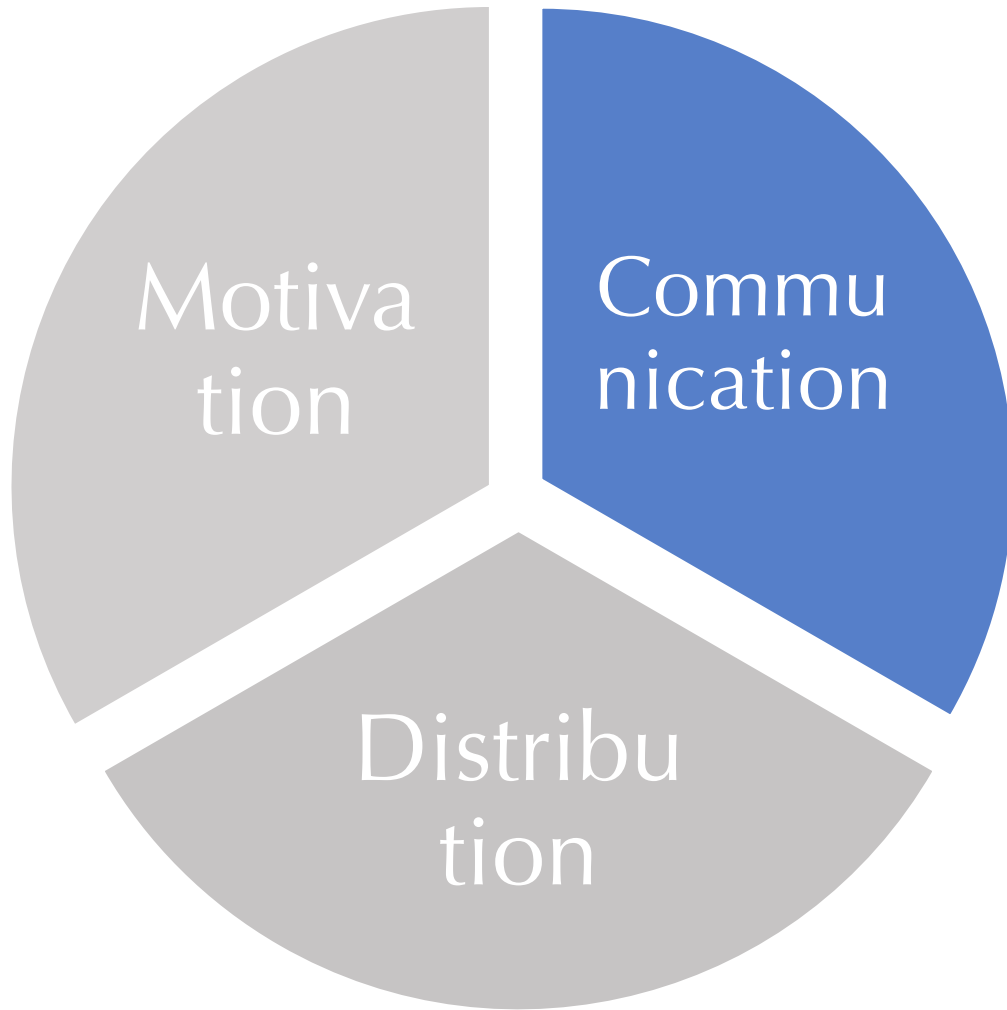| 1XX Physics | 2XX Computing | 3XX Detector | 4XX ... |

Three pillars for DAS-HEP
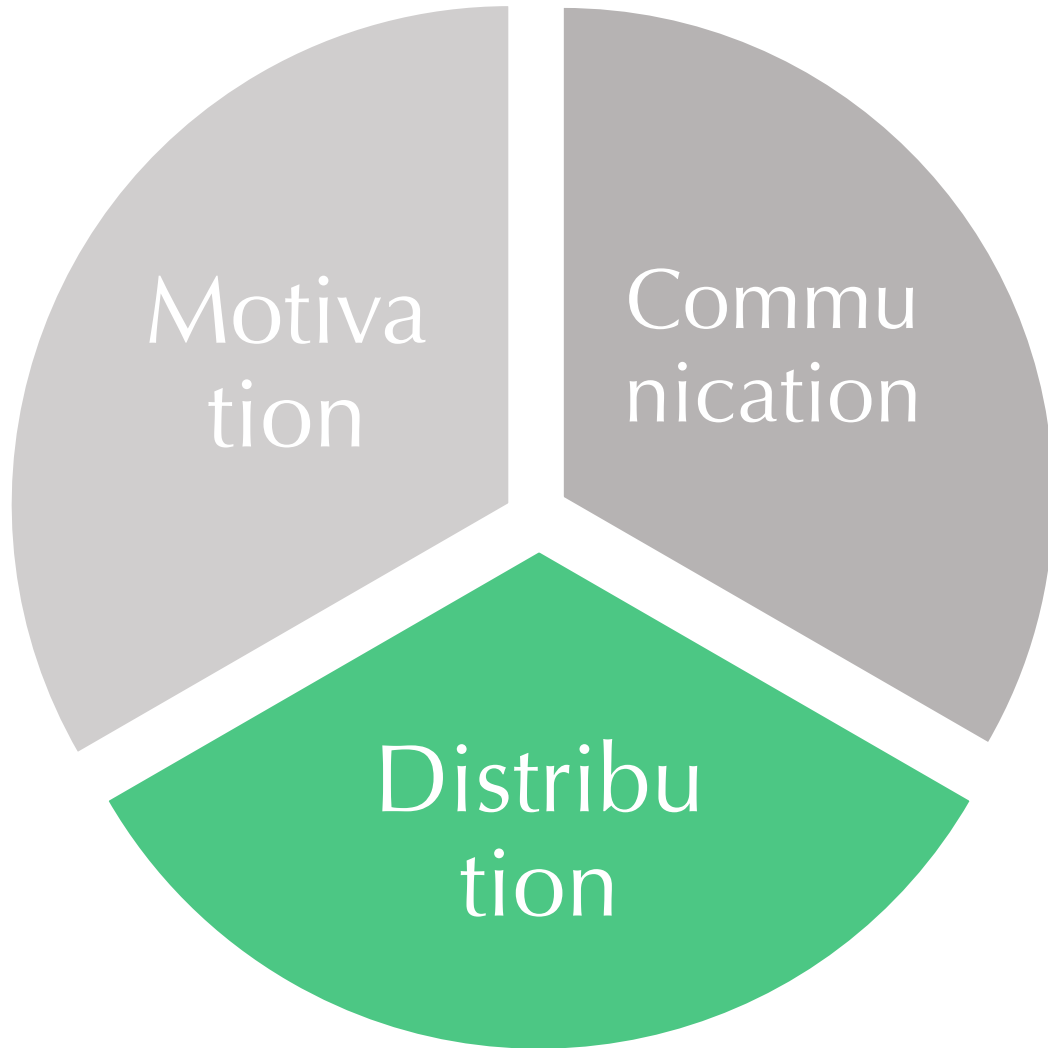
Motivation

- What is the world made of ?
- Personal connection
  - Every human being is unique
  - Remove the "label"
    - Appearance, Physical, School, Wealth ...
- Trigger your "Atomic Bomb" !

- Tip#1: Flight mode

Communication

- Human language: Chinese and English

- Computer language:
  - Core algorithm : C++ (20%)
  - Fluent level: **python (70%)**
  - User level: bash   (10%)
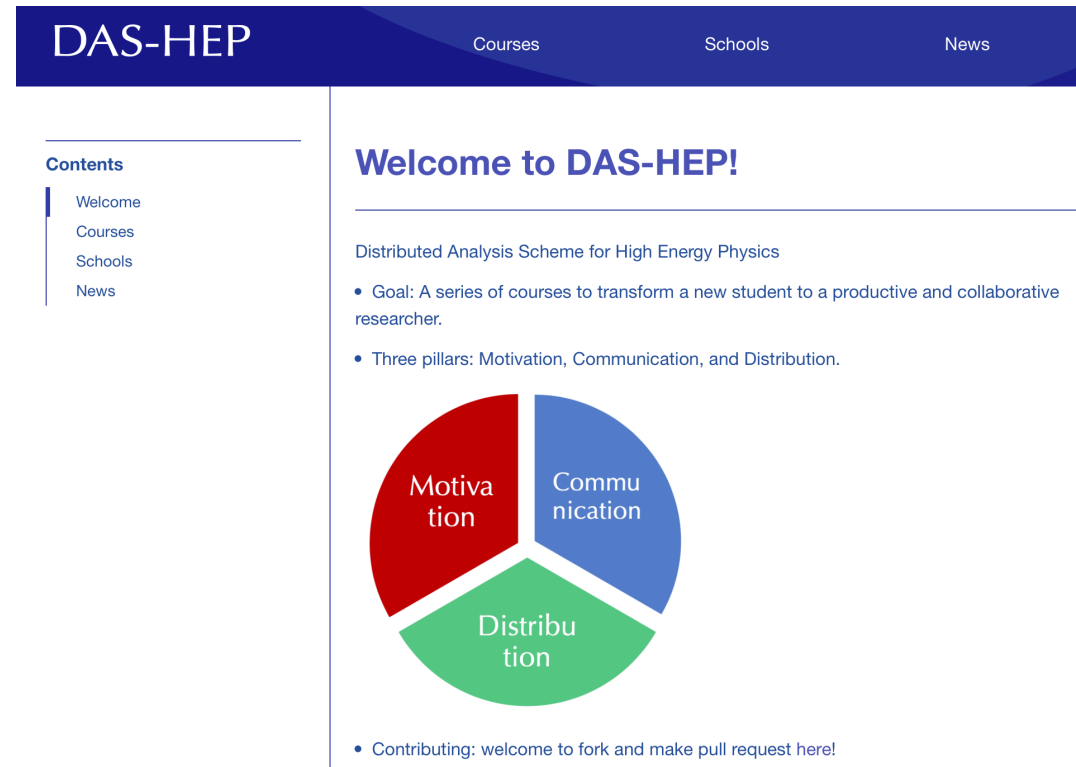
- Tip#2: just USE it !

Distribution

- Centralization vs. Distribution
  - Windows vs. Linux
  - Online News vs. WeChat
  - Classroom vs. Home work
- Advantage and Challenge
  - Adaptive pace
  - Anywhere & Anytime
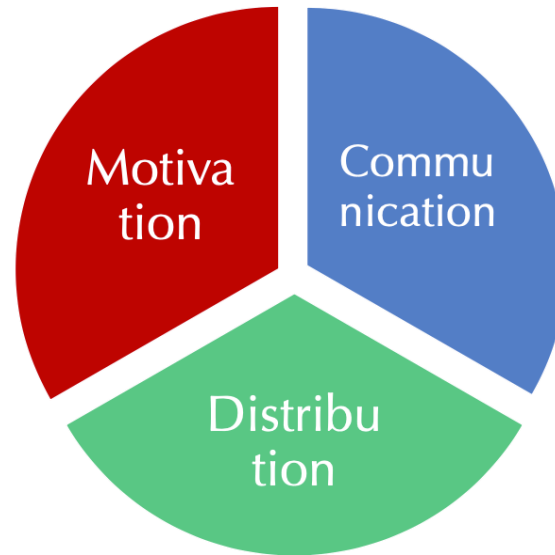 - Need well organized !
- Tip#3: **git**

Where to start ?

- DAS-HEP Website: https://das-hep.github.io

- School Code Repository: https://gitlab.com/das-hep/bes3ws2020

Let's explore, share, and build the DAS-HEP community together.

https://das-hep.github.io

Have fun in this school !