

DAS-HEP @ BESIII Winter School 2020



中国科学院高能物理研究所
Institute of High Energy Physics
Chinese Academy of Sciences

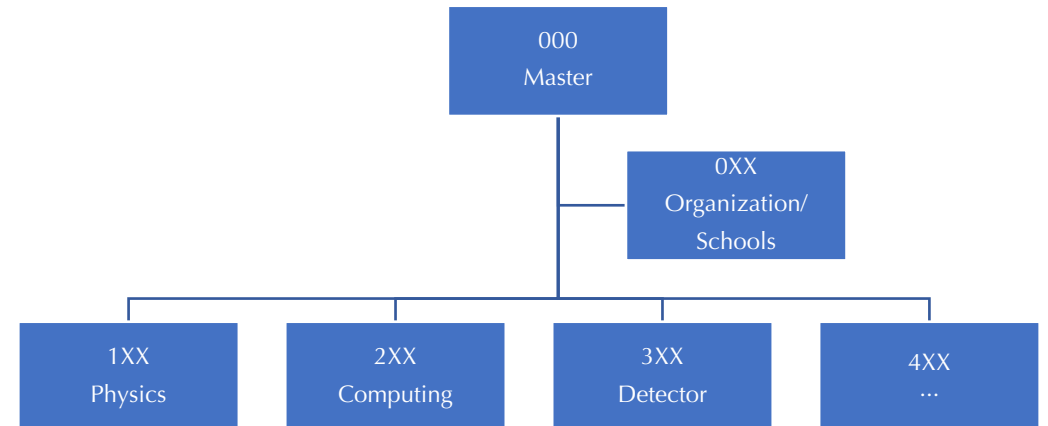
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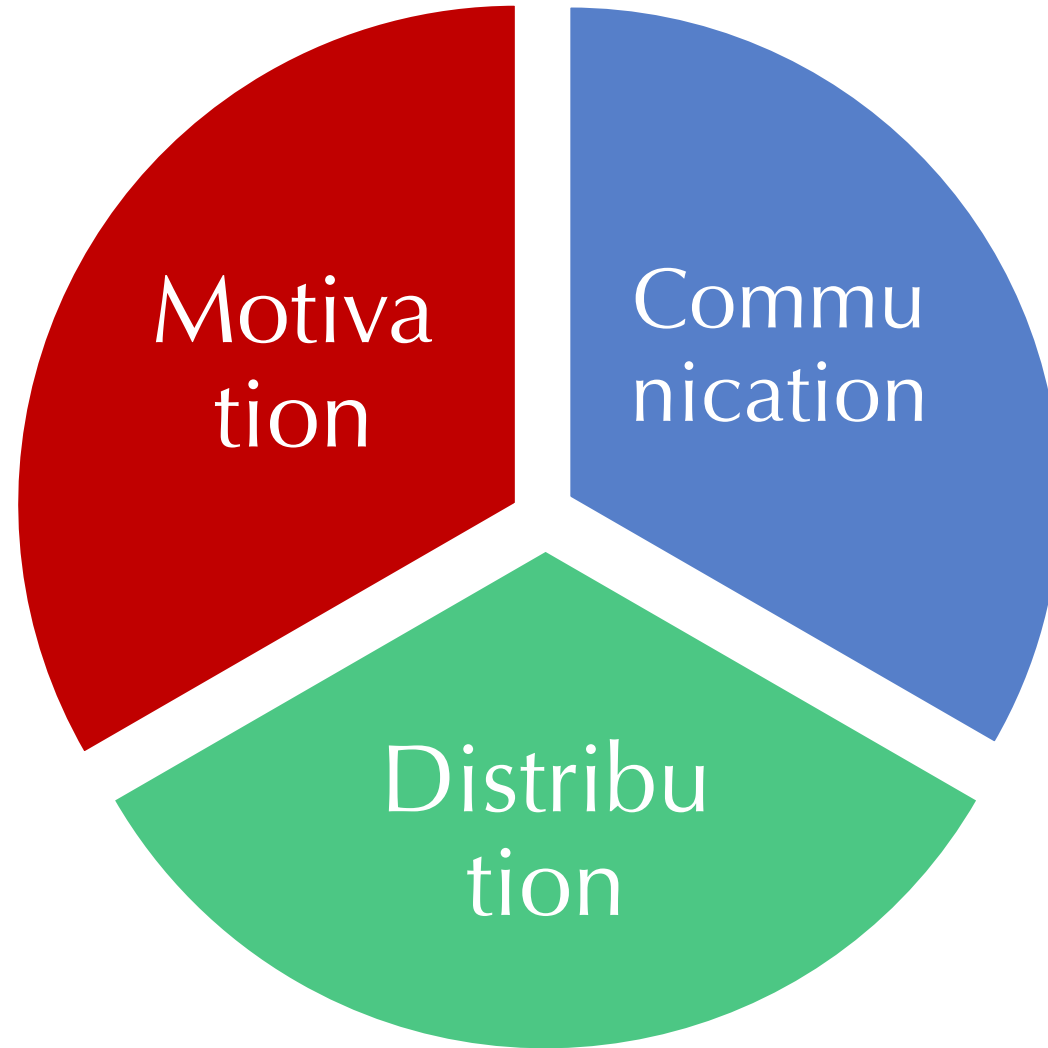
DAS-HEP and organization

- Distributed Analysis Scheme for High Energy Physics
- Goal: transform a new student to a productive and collaborative researcher
- With Schools and online courses

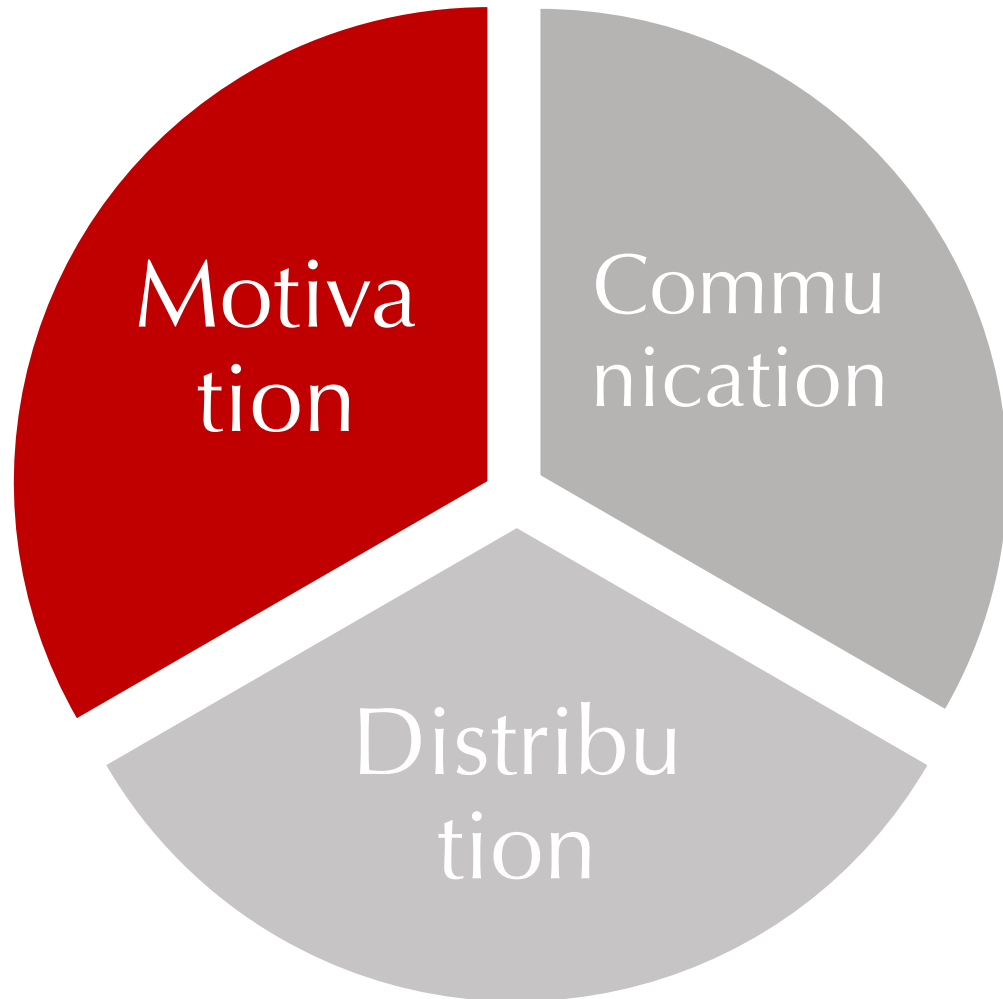
Course Overall Structure



Three pillars for DAS-HEP

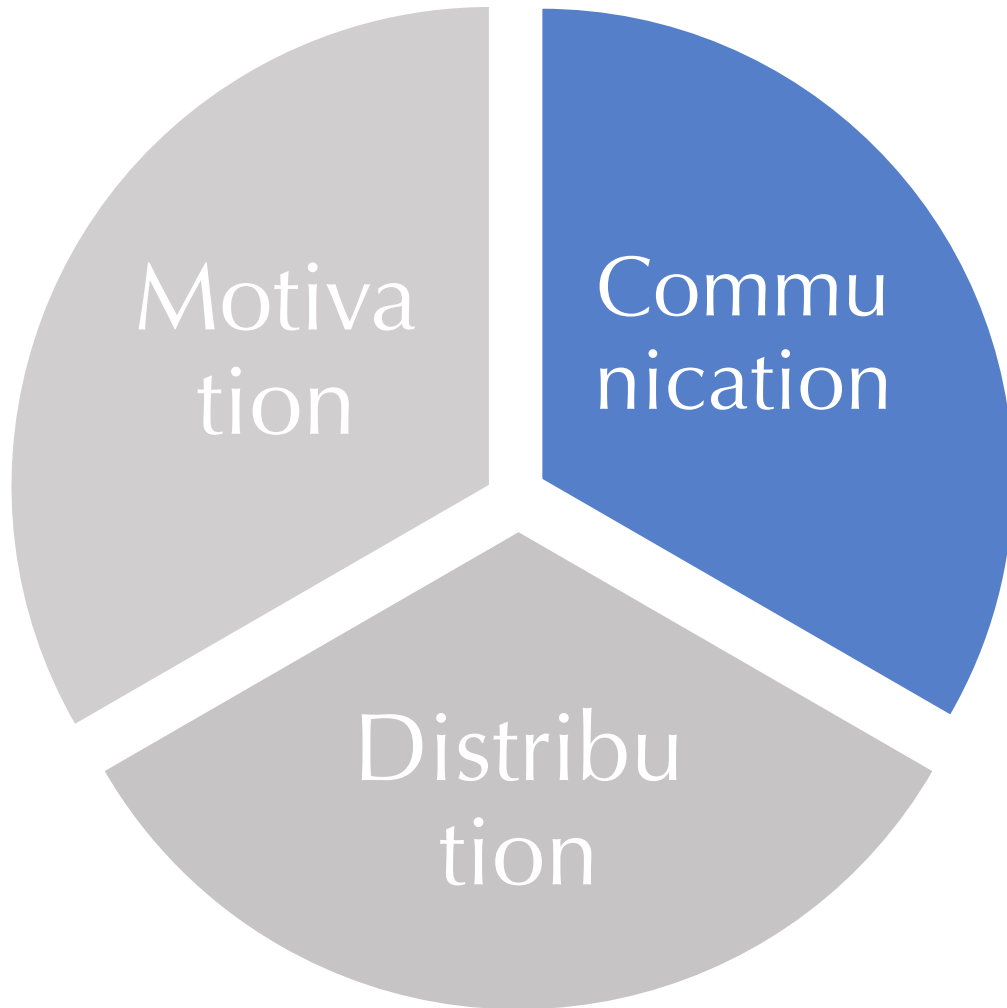


Motivation



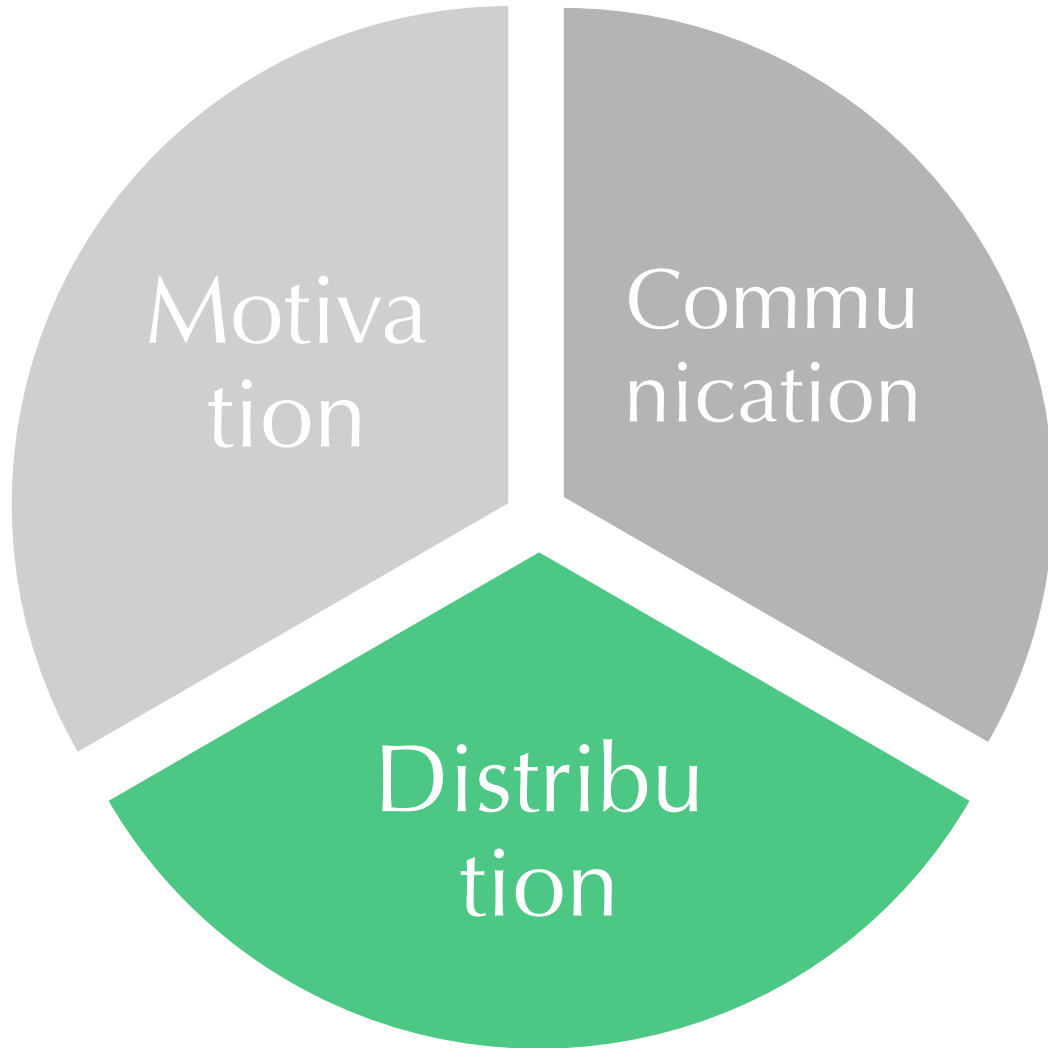
- What is the world made of ?
- Personal connection
 - Every human being is unique
 - Remove the “label”
 - Appearance, Physical, School, Wealth ...
- Trigger your “Atomic Bomb” !
- Tip#1: Flight mode

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 !

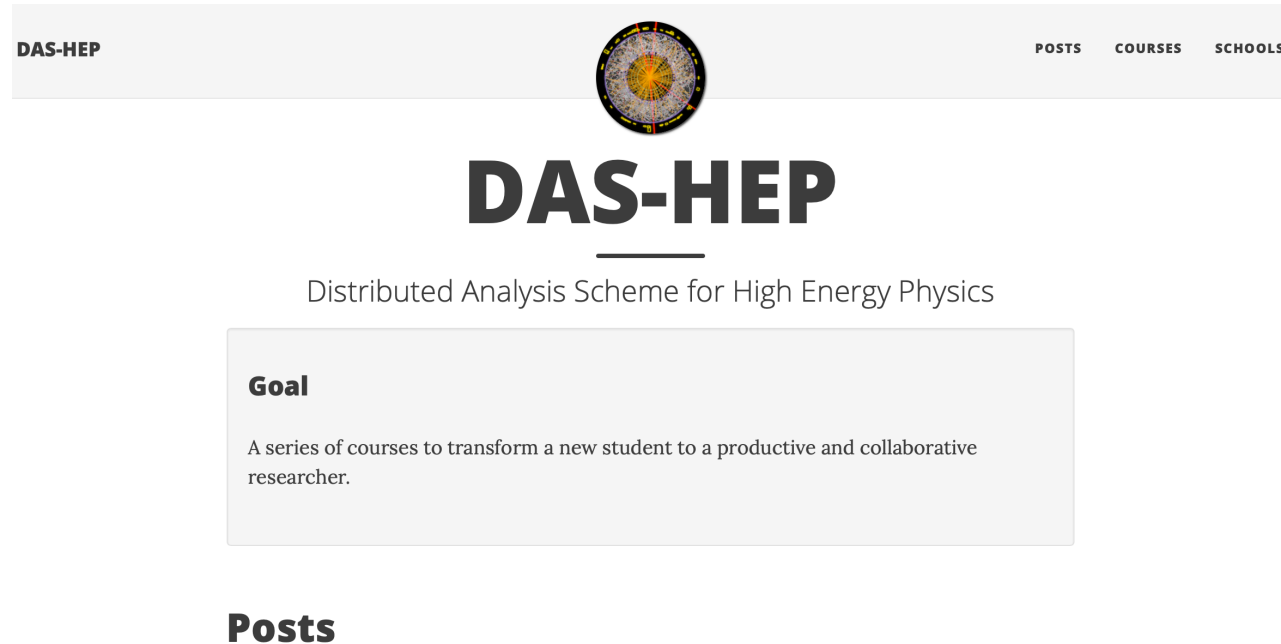
Distribution



- 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: **gitlab**

Where to start ?

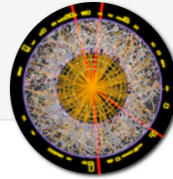
- DAS-HEP Website: <https://das-hep.gitlab.io/>



The screenshot shows the homepage of the DAS-HEP website. At the top, there is a navigation bar with the text "DAS-HEP" on the left, a circular logo in the center, and the words "POSTS", "COURSES", and "SCHOOLS" on the right. Below the navigation bar, the text "DAS-HEP" is displayed in a large, bold, black font. Underneath this, the full name "Distributed Analysis Scheme for High Energy Physics" is written in a smaller font. A light gray box contains the heading "Goal" followed by the text "A series of courses to transform a new student to a productive and collaborative researcher." Below this box, the heading "Posts" is visible.

- Repository: <https://gitlab.com/das-hep/bes3ws2020>
- N.B.: You are also welcome to contribute to writing the courses (just send me your gitlab.com ID)

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



DAS-HEP

Have fun in this school !