

Computational Methods in the ATLAS experiment

Sunday, July 16, 2023 9:20 AM (50 minutes)

This talk will give an overview of the computational methods used in the ATLAS experiment, a general-purpose detector experiment at Large Hardon Collider. Upon the collision of proton-proton bunches, microscopic interactions take place. Physicists have to rely on sophisticated software program applied to computational hardware to take raw data from detector, trigger on and store interesting events, reconstruct physics objects, and analyse the data in comparison to simulation predictions to reach at physics conclusions. Those key ingredients will be discussed in the talk.

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Session Classification: Invited Talks

Track Classification: 综述报告: 实验中的计算与软件