

# ATLAS

Panda Community Forum - April 10th 2025

# New proposal for 16-core default setting for multicore jobs

CMS has put forward a proposal in the WLCG Working Group for Job Allocation and Handling meetings to make 16-core jobs the default, up from the current 8-core jobs.

ATLAS Panda jobs with a custom core count are run at specific sites like HPCs, which require whole node allocation.

We still lack data on the change in efficiency of ATLAS jobs based on workflow type.

A key distinction between ATLAS and CMS is the ability of ATLAS to run multiple different pilots in parallel within a single slot, each with a variable number of cores.

# Multiple pilots in a job slot

We have had several discussions in ATLAS about running more than one pilots in the same job slot.

One case proposed by Rod Walker involved a 1-core analysis job combined with a multi-core simulation job at a lower priority.

How close are we to running multiple pilots in parallel? What are the difficulties?