



TRIUMF | ATLAS TIER-1 DATA CENTRE

How do you study the moments after the big bang?

8 Data Powerhouses:
 48 million collisions per second
 400 million bytes per second
 400 million operations per second
 400 million operations per second
 400 million operations per second

10 Research Analysts - and growing!
 1000+ PhD students
 1000+ PhD students
 1000+ PhD students

Inside the ATLAS detector, millions of pieces of data are captured each second which provide information from the LHC's high-energy particle collisions. To process all of this data, a special distributed network was developed called the Worldwide LHC Computing Grid.

TRIUMF is home to one of the network's primary hubs, called an ATLAS Tier-1 Data Centre. The data centre serves international scientists in conducting cutting-edge particle physics research about our universe.

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