Development of Event Visualization for ATLAS Tracer

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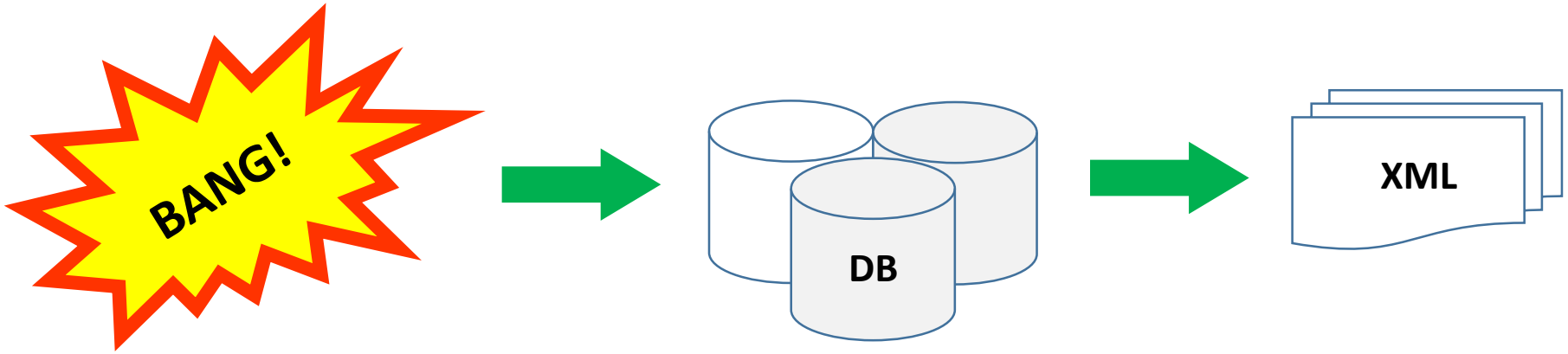
Overview

- ❑ Information about events
- ❑ Analyzing
- ❑ Visualization
  - What we have to do
  - What we done
  - Future plans

Information about events

Collect > Store > Get



Analyzing

Thousands of lines, “tons” of numbers

```
<?xml version="1.0"?>
<?xml-stylesheet type="text/xsl" href="JiveXML_event.xsl"?>
<?ATLAS Release: "17.0.4.7"?>
<!DOCTYPE Event SYSTEM "event.dtd">


<Event version="17.0.4.7" runNumber="189693" eventNumber="22798118" lumiBlock="323" dateTime="2011-09-23 07:17:53 UTC" eventProperty="default">


<Jet count="1" storeGateKey="AntiKt4TopoEMJets">

<OutOfTimeEfrac>
0
</OutOfTimeEfrac>
<cells multiple="103">
881942528 876953600 889798656 875126784 876560384 882982912 889405440 881156096 876167168 877748224
882589696 875773952 877355008 882196480 810369024 835538944 875380736 876961792 881803264 874987520
876568576 881410048 882991104 874594304 882597888 877608960 874201088 875782144 877215744 873807872
890060800 881811456 876822528 883245056 889667584 876429312 882851840 881025024 876036096 882458624
875642880 882065408 877076480 890068992 875249664 876830720 881672192 876683264 883105792 874856448
876437504 882860032 877871104 882712576 874463232 880885760 882466816 877477888 874070016 890322944
877084672 881926144 883507200 889929728 881680384 875110400 876691456 883113984 873283584 889536512
810373120 874717184 876298240 877879296 882720768 874471424 877731840 875905024 877486080 882327552
877338624 890331136 875511808 890183680 877092864 881934336 889937920 883367936 875118592 881541120
883122176 889544704 878133248 874725376 876306432 881147904 877740032 874332160 882335744 875765760
```

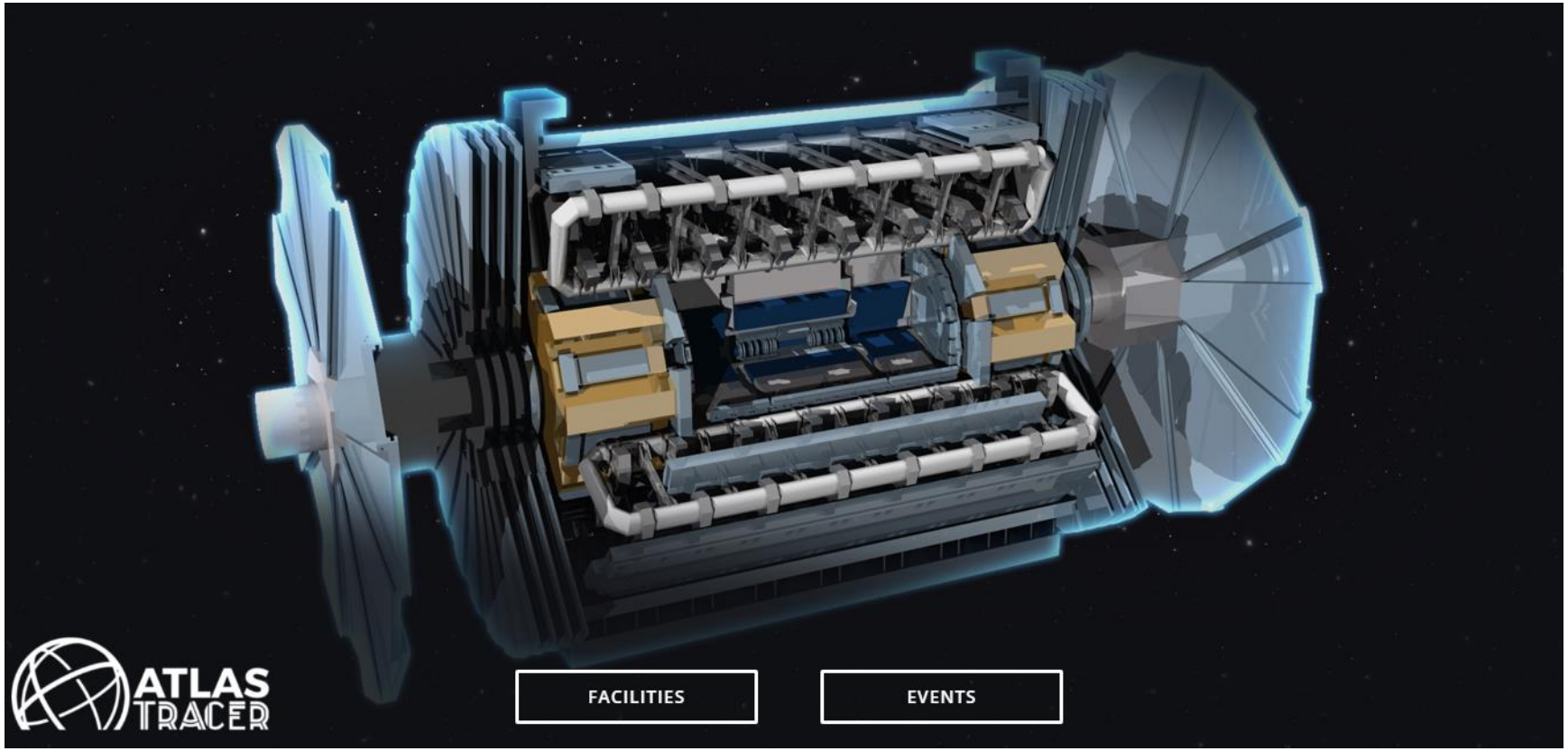
Visualization > What we have to do

Visualization > What we done

ATLAS Tracer demo

Visualization > Future Plans

More tools for events, more information, more particles



Thanks for your attention