

Abstract Submitted
for the APR17 Meeting of
The American Physical Society

ATLAS event display: Virtual Point-1 visualization software
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Point-1 (VP1) is an event display visualization software for the ATLAS Experiment.
VP1 is a software framework that makes use of ATHENA, the ATLAS software in-
frastructure, to access the complete detector geometry. This information is used
to draw graphics representing the components of the detector at any scale. Two
new features are added to VP1. The first is a traditional “lego” plot, displaying
the calorimeter energy deposits in eta-phi space. The second is another lego plot
focusing on the forward endcap region, displaying the energy deposits in r-phi space.
Currently, these new additions display the energy deposits based on the granular-
ity of the middle layer of the liquid-Argon electromagnetic calorimeter. Since VP1
accesses the complete detector geometry and all experimental data, future devel-
opments are outlined for a more detailed display involving multiple layers of the
calorimeter along with their distinct granularities.

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Date submitted: 29 Sep 2016

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