

Abstract Submitted
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Development of the PCAL Reconstruction Software CRAIG KING,
MICHAEL WOOD, Canisius College, CLAS COLLABORATION — The 12-GeV
upgrade at the Thomas Jefferson National Accelerator Facility requires that the
CLAS in Hall B be upgraded for the new kinematics at the higher beam energies. The
new CLAS12 detector will include a component called the Pre-shower Calorimeter
or PCAL. The PCAL will enhance the capabilities of the existing calorimeters and
allow for greater acceptance over a wider range of momenta of particles like the
neutral pion. The responsibility of the group at Canisius College is the PCAL
reconstruction software. This poster will describe the software development and
how it utilizes the Service-Oriented Architecture of CLAS12.

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