

# ROME - a universally applicable analysis framework generator

*Monday 13 February 2006 17:00 (20 minutes)*

This talk presents a new approach of writing analysis frameworks. We will point out a way of generating analysis frameworks out of a short experiment description. The generation process is completely experiment independent and can thus be applied to any event based analysis.

The presentation will focus on a software package called ROME. This software generates analysis frameworks which are fully object oriented and based upon ROOT. The frameworks feature root functionality, sql database access, socket connections to GUI applications and connections to DAQ systems. ROME is currently used at PSI, Switzerland, Los Alamos National Laboratories, USA and Triumpf, Canada.

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