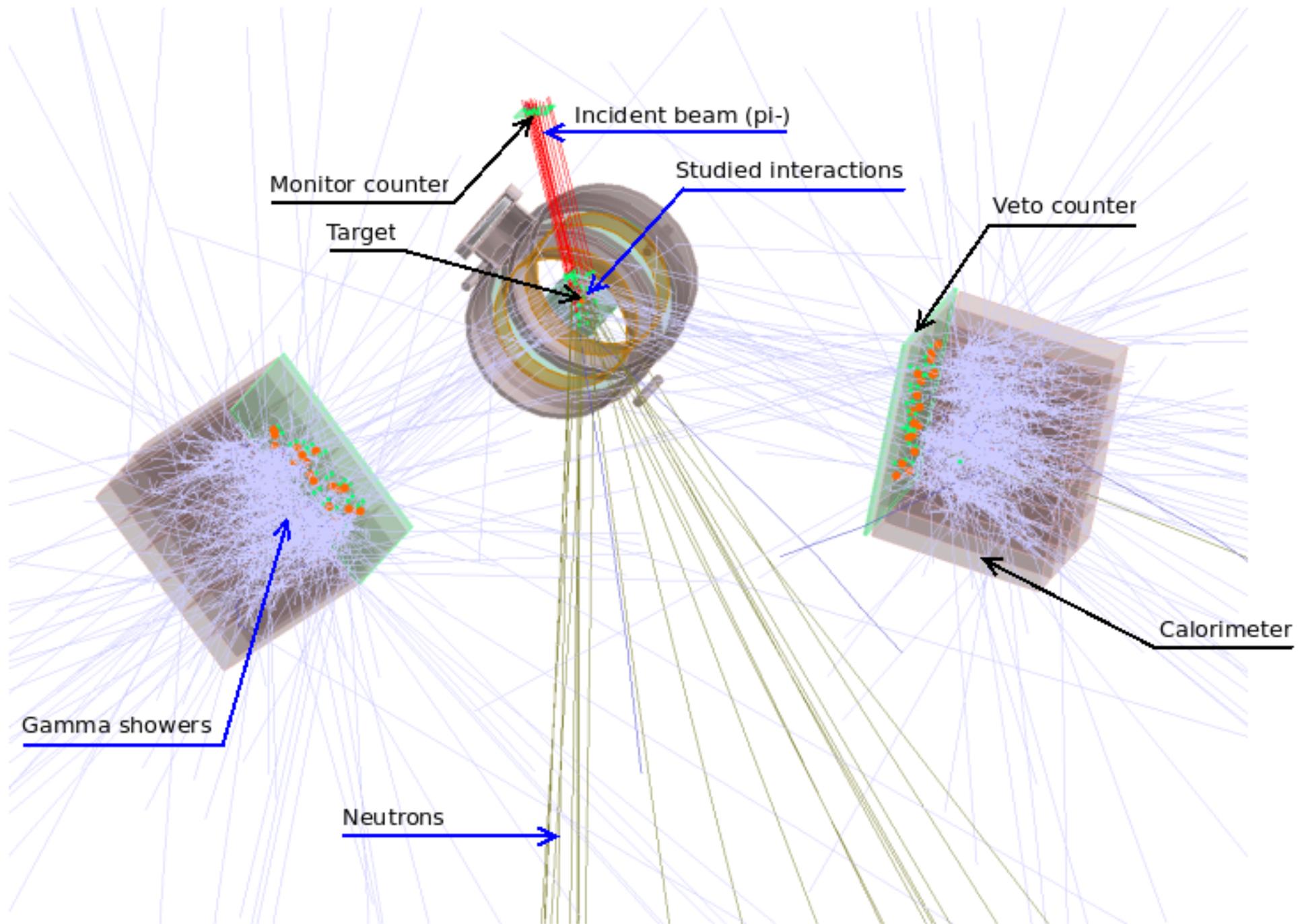
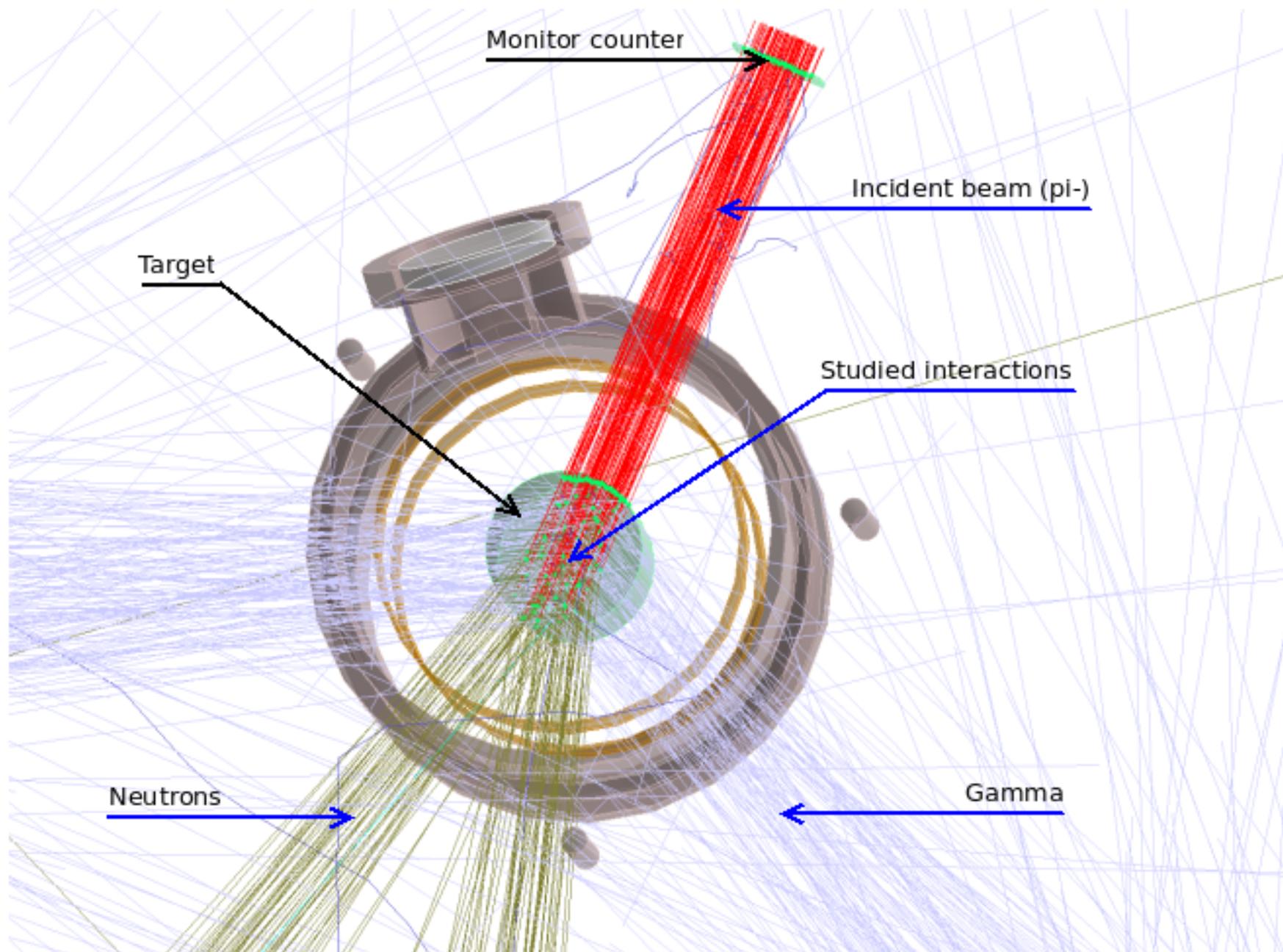


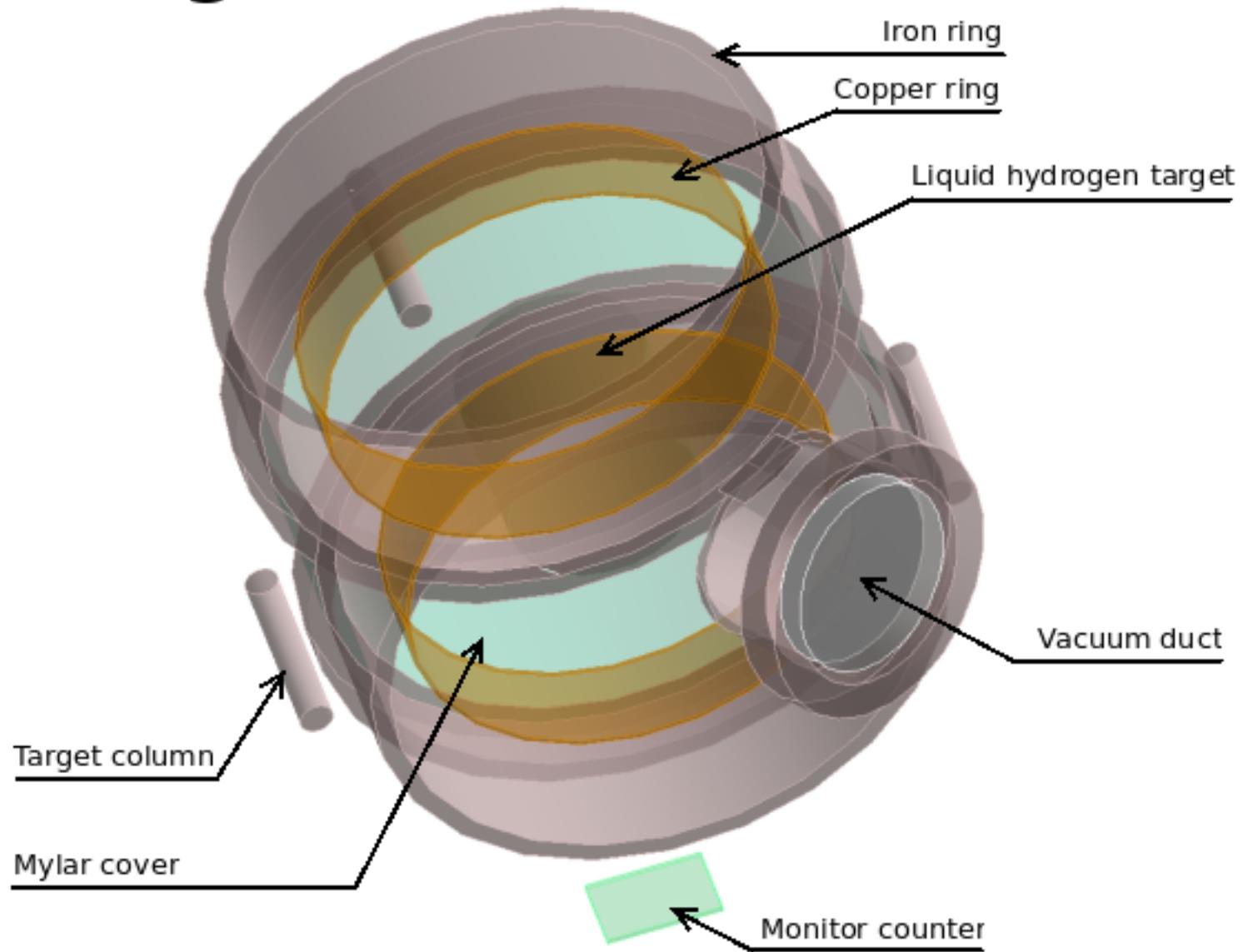
# Cexmc

## The setup

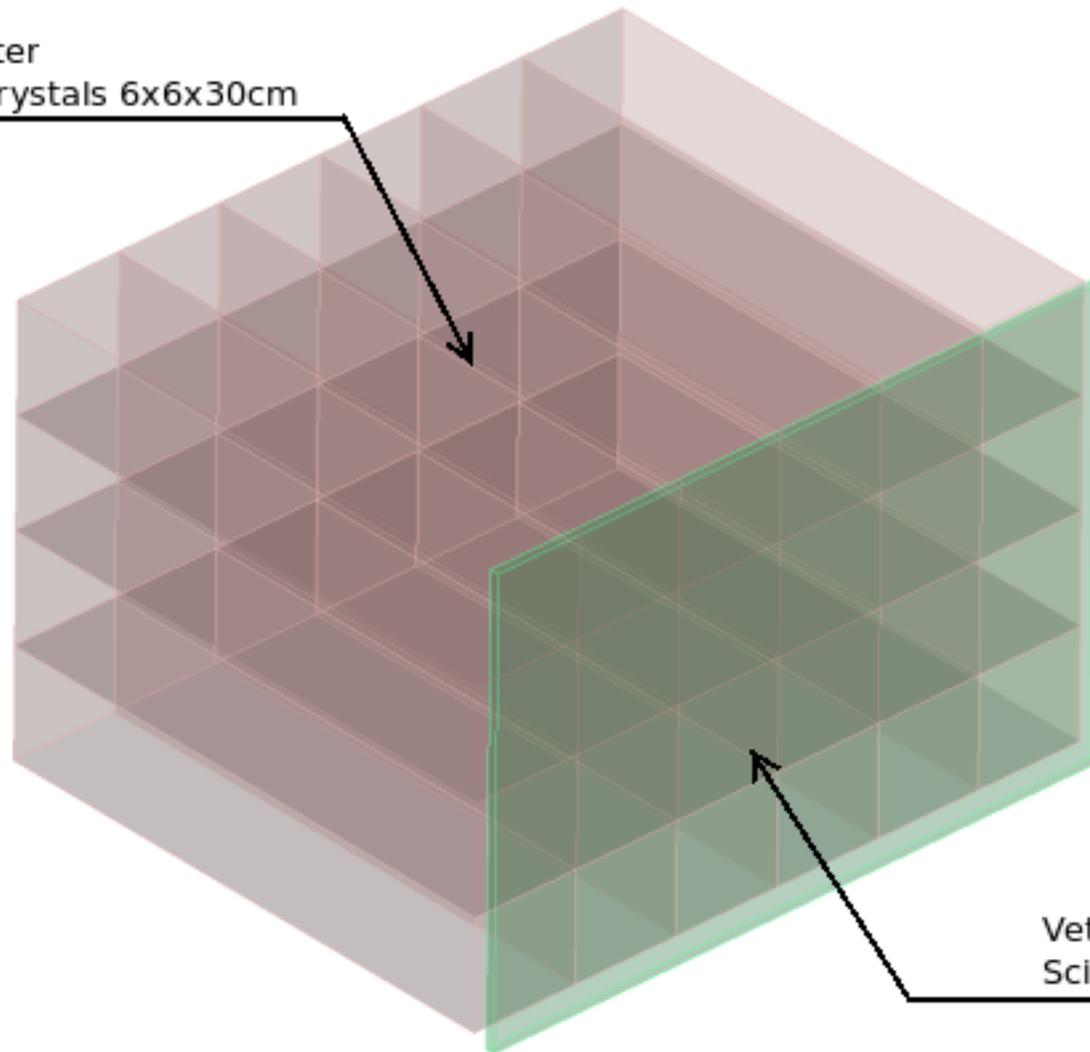




# The Target



Calorimeter  
6x4 CsI crystals 6x6x30cm



Veto counter  
Scintillator

# Explanations and trigger

On the images the incident beam ( $\pi^-$ ) is **red**,  $\gamma$  (decay products of  $\eta$  or  $\pi^0$  and others) are **light blue** and **n** (neutrons) are **olive**. Only events when the setup triggered are shown.

The trigger logic takes information from the monitor counter, veto counters and calorimeters and tests if energy deposit (ED) in the monitor counter is bigger than related monitor threshold (it means that a charged particle — supposedly  $\pi^-$ , has passed the monitor), ED in each veto counter is smaller than veto counter thresholds (it means that no charged particle has passed the veto counters) and full ED in *inner* 8 crystals of each calorimeter is bigger than calorimeter thresholds (it means that calorimeters has supposedly caught the decay products of output particles, i.e. the  $2\gamma$ ).