

EMC Background :
Comparing Packaged and
Unpackaged Bruno

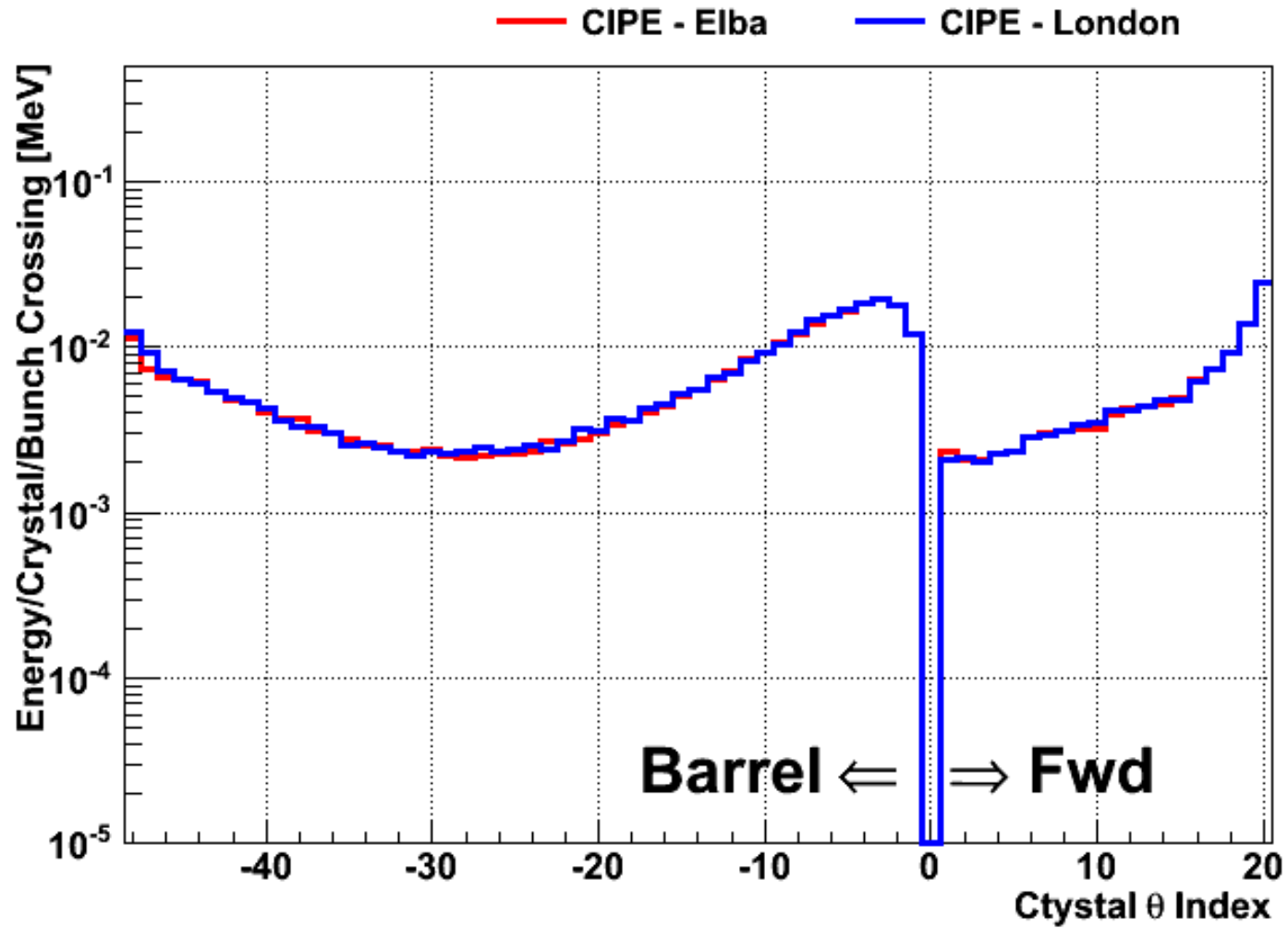
14/09/2011

London

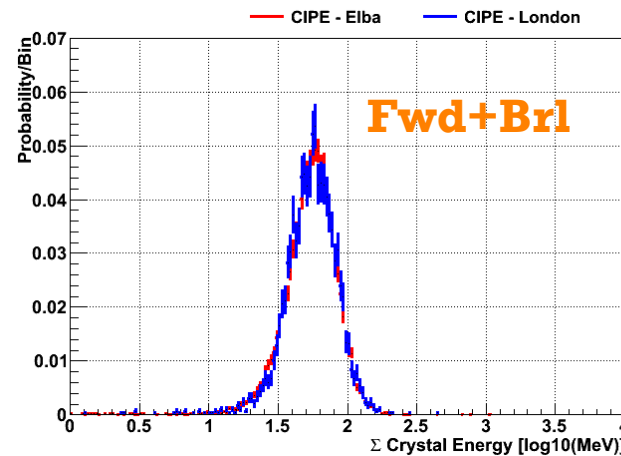
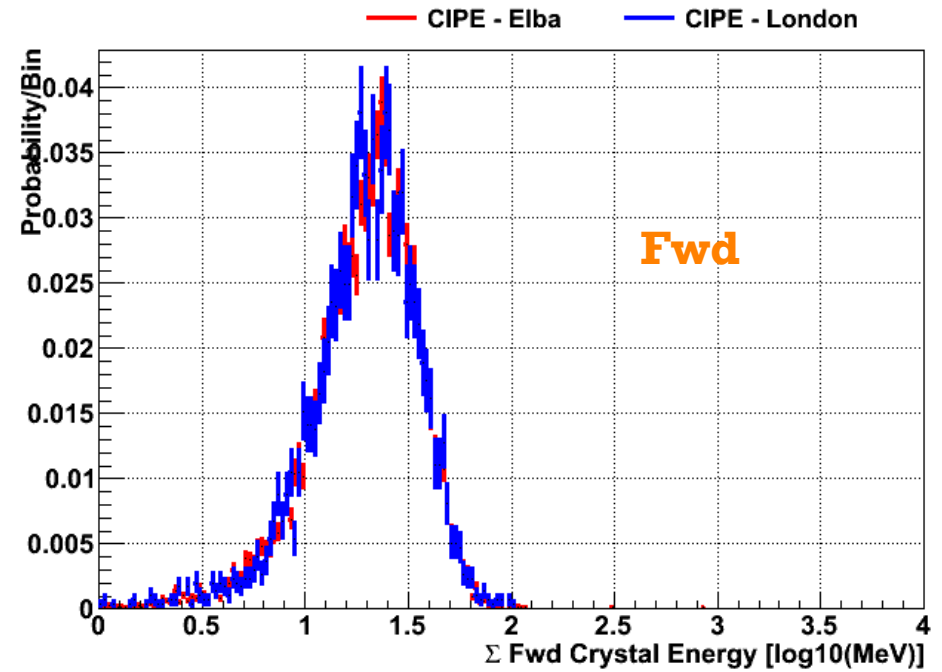
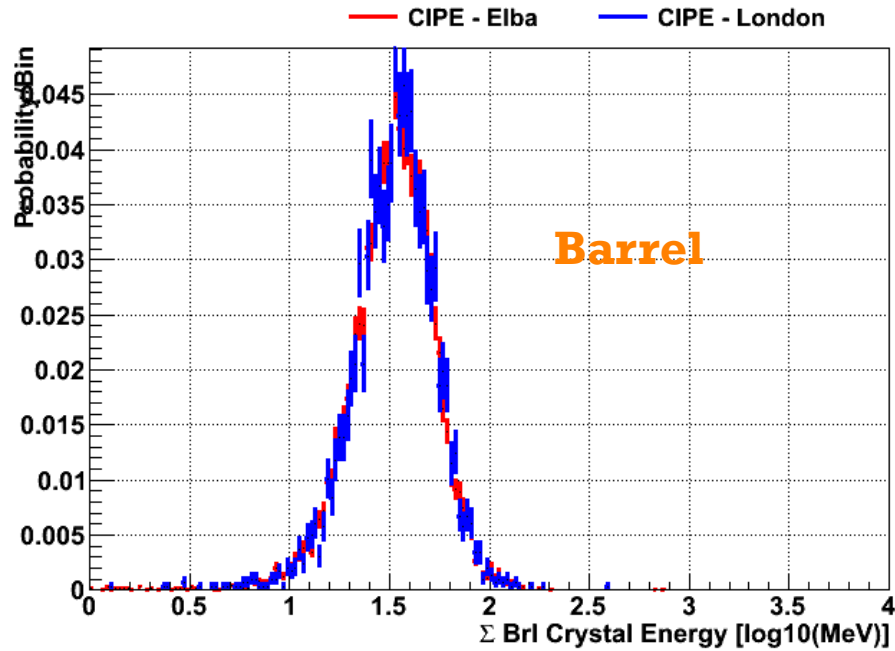
SuperB Collaboration Meeting
Background Session

S. Germani
INFN Perugia

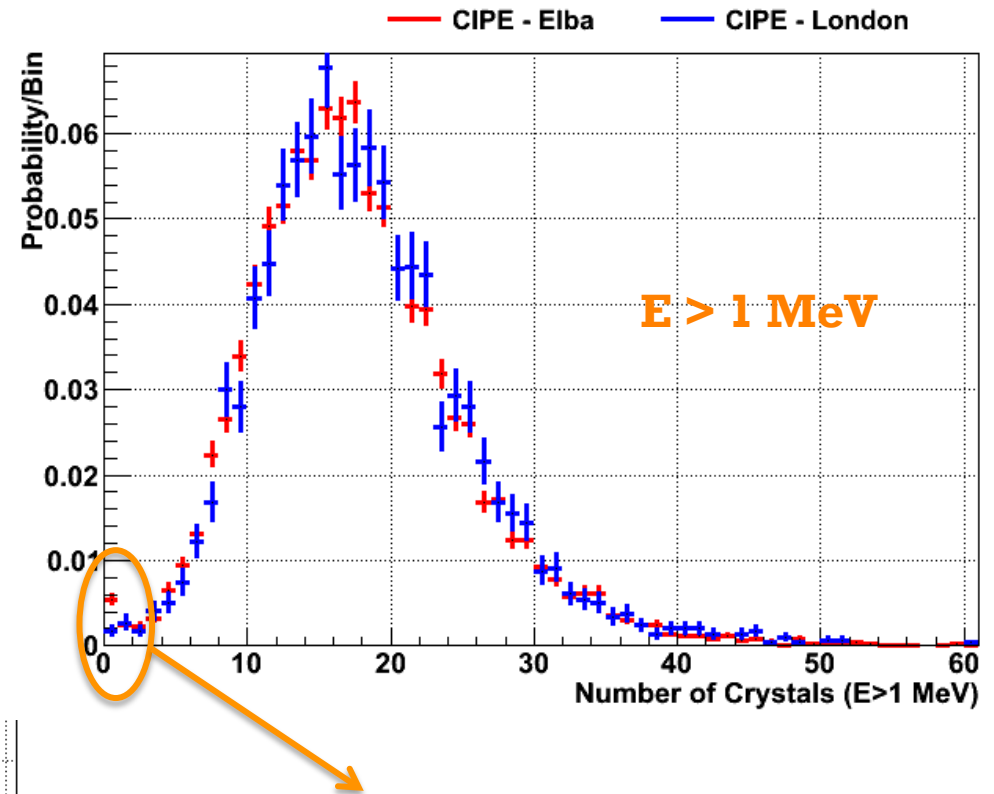
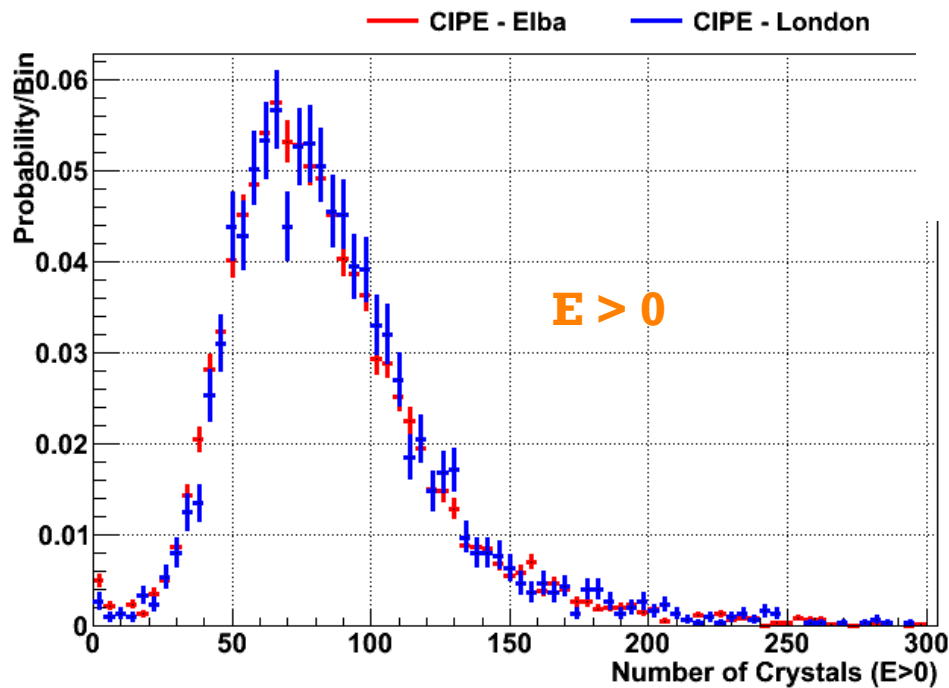
Crystal Energy / Bunch Crossing



Sum of crystal energy

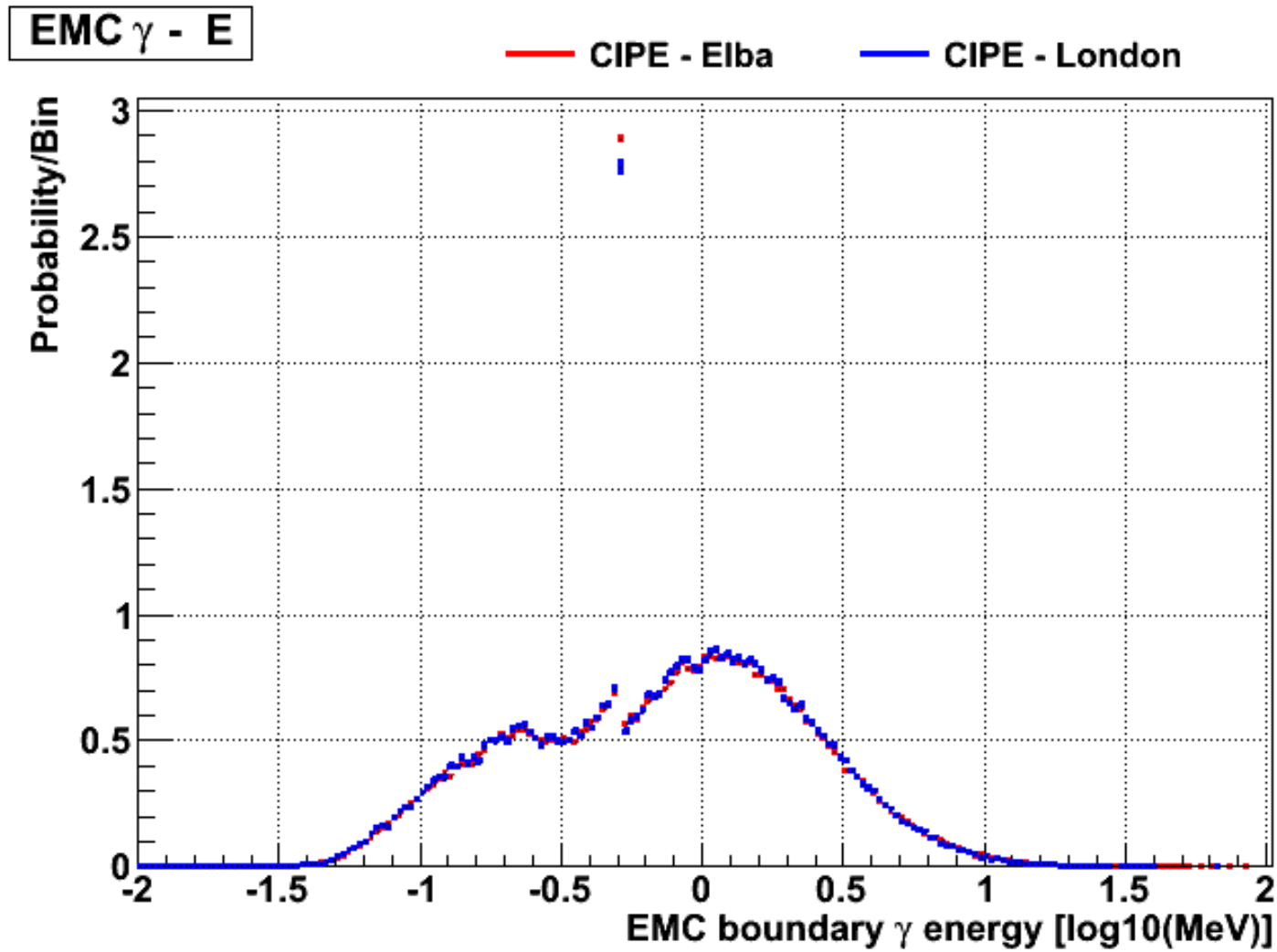


Number of crystals

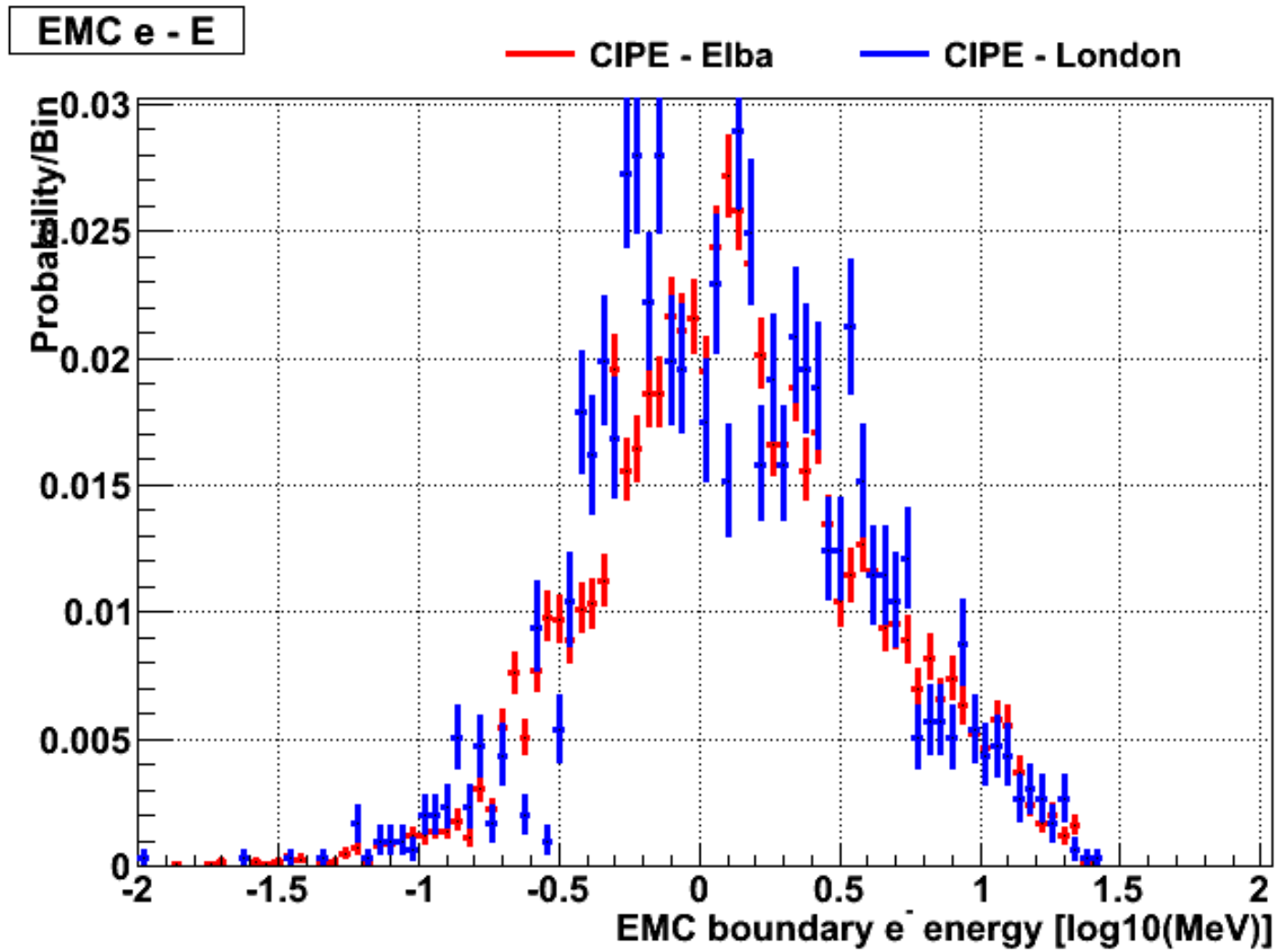


May be related to aborted events
Is the failure rate identical?

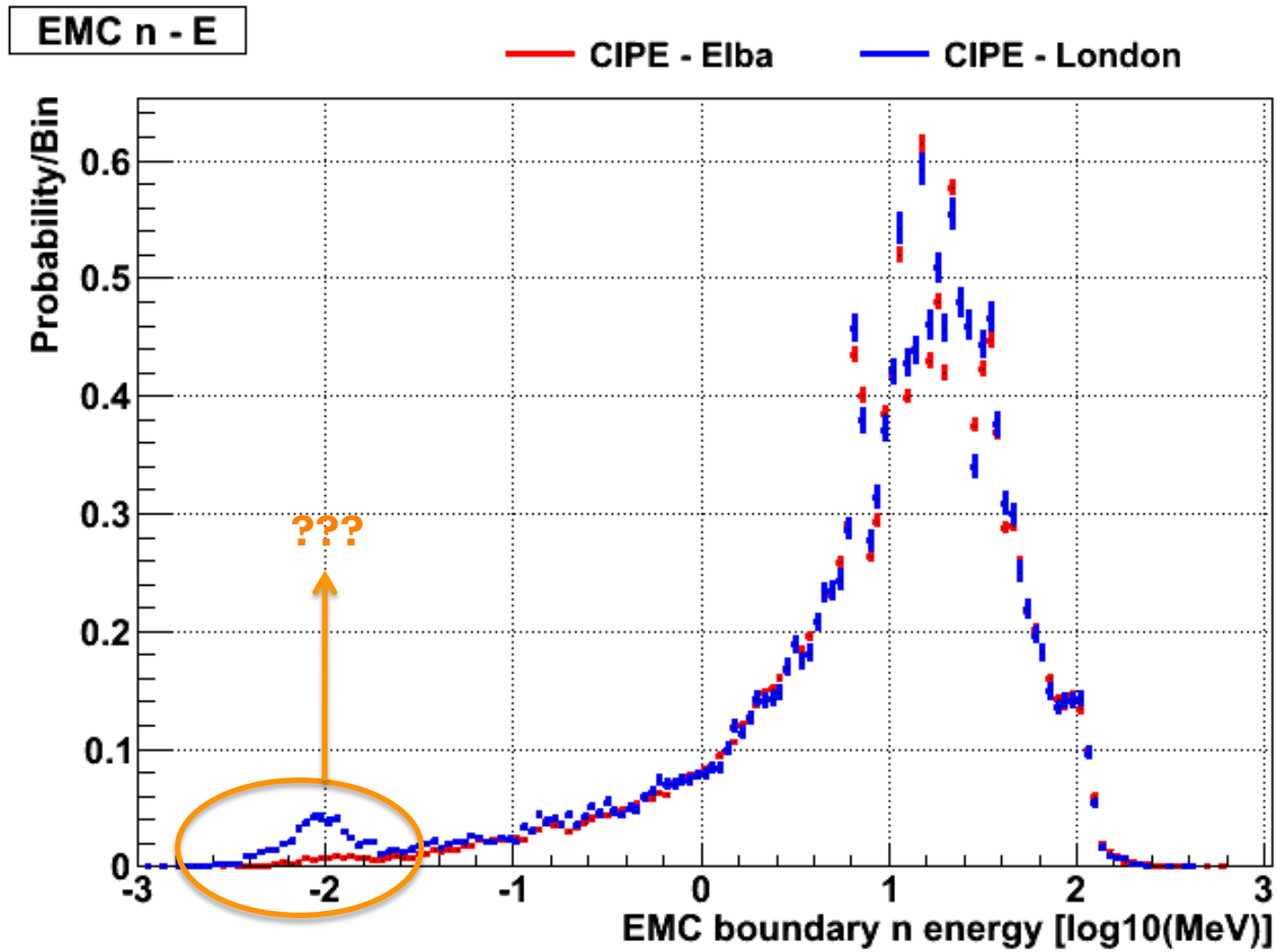
EMC boundary – photons energy



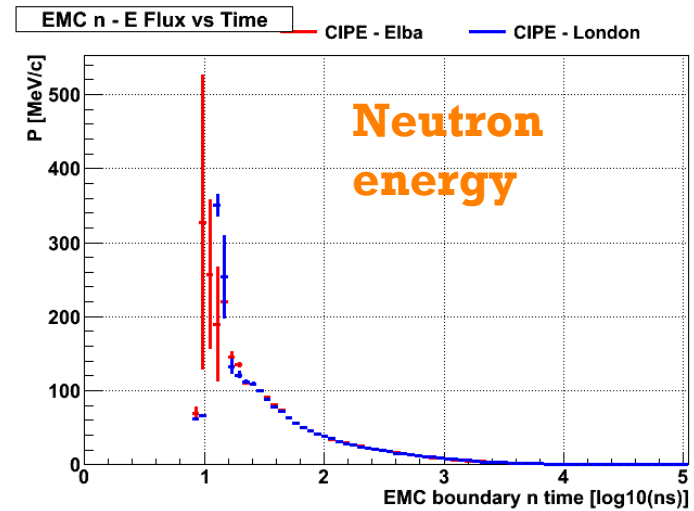
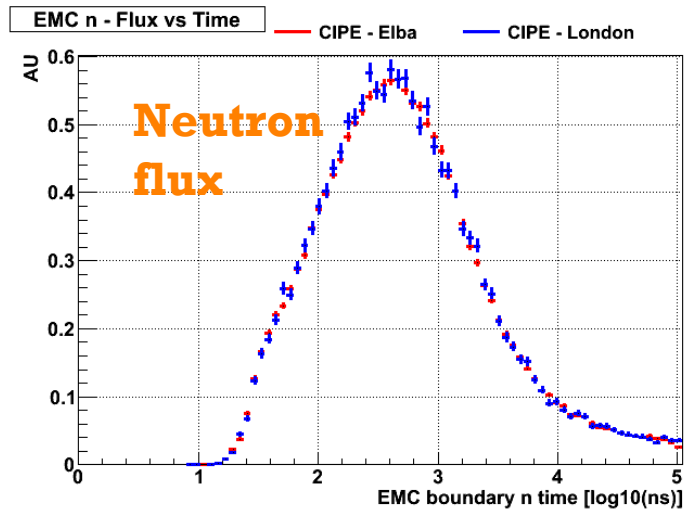
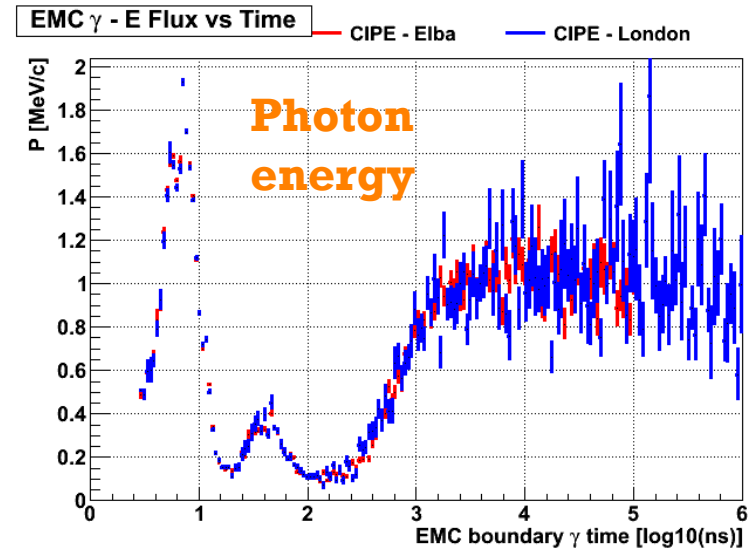
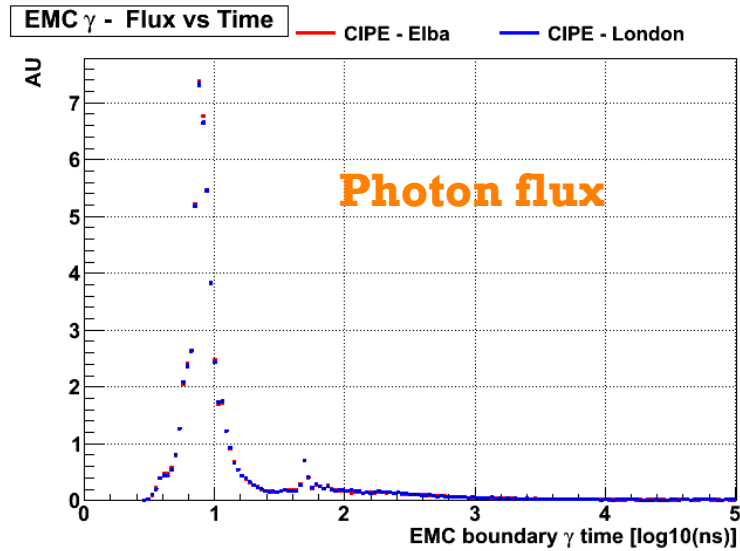
EMC boundary – electrons energy



EMC boundary – neutrons energy



EMC boundary – time



Conclusions and Outlook

- Main EMC quantities seem to be OK
- The only real difference is in the neutron spectrum for EMC boundary
 - Is it a real issue?
 - Do we need to investigate it further?
- Beyond Bruno cross checks
 - Touscheck
 - Impact on FEE
 - In the agenda since the Elba: to be performed ASAP
 - Alternative Fwd geometries
 - Performing BGO and Pure CsI analysis
 - Preparing PWO
 - ???