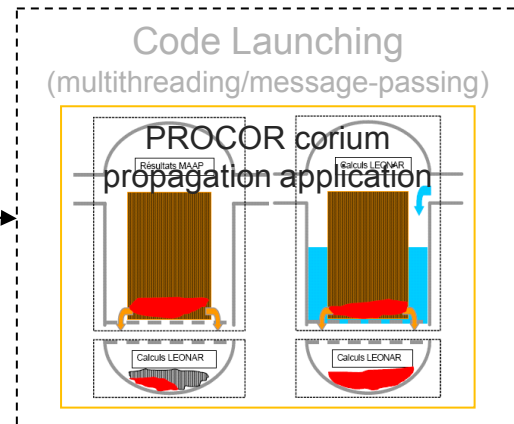
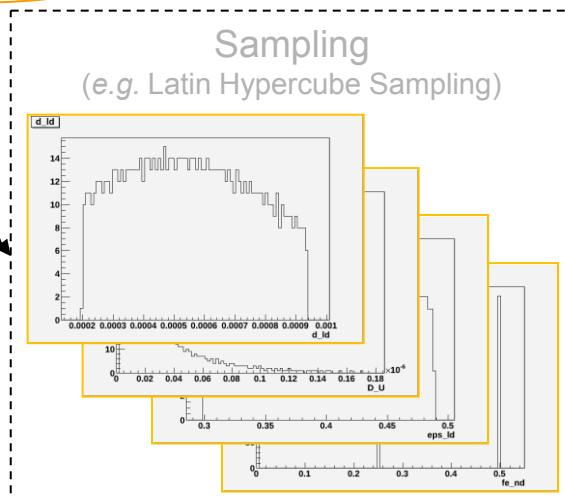


SOFTWARE PLATFORM PROCOR FOR CORIUM PROPAGATION

PROCOR Platform: (CEA, 2013-)

- an **object-oriented library** of numerical tools and models and a framework to build dedicated corium propagation analysis applications
 - a **Monte-Carlo code launcher** and some uncertainty/sensitivity analysis tools using the URANIE library (CEA) based on the ROOT (CERN) framework
- **maximize code reusability and facilitate model development** → **enhance the work cycle**

Random variable laws for inputs (+ possible correlations)



Vessel rupture time

Statistical Analysis: ROOT-macros (CINT)
(e.g. correlation ratios, graphical tools)

