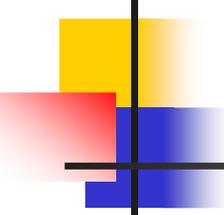


TG10 Readiness for Phase I

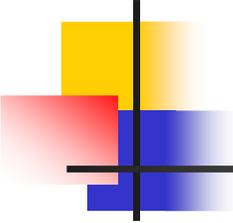
Luciano Pandola
INFN, Laboratori del Gran Sasso

GERDA Collaboration Meeting, LNGS, March 2010



Role of MC with Phase I data

- Help for **data analysis**
 - **location** of background **sources**
 - understanding of the **background spectrum**
 - understanding of **pulse shapes**
- Estimate **efficiency** of cuts/**PSA analysis**
 - → Matteo's talk tomorrow
- **Tools from TG10:**
 - **MaGe** and other stand-alone MC codes
 - codes for the **calculation** of **electric fields** and **pulse shapes**
 - **containers** and infrastructure for management (**MGDO**)
 - facility for **histogram** and result **book-keeping** (**NEST**)



MC status and plans

- Main software **infrastructure** in **place**
 - **benchmarking** and **validation** (e.g. for pulse shape simulation) in order to ensure reliability
 - **extension** and **development** of the existing tools (MGDO, MaGe, NEST) → (analysis-focused rather than MC)
- Provide **feedback** when **inputs** are **received** from other TGs
 - final **details** of string(s) **geometry**
 - measured **radiopurity**, exact positions of components
 - HV, **transfer functions** of electronics, etc.