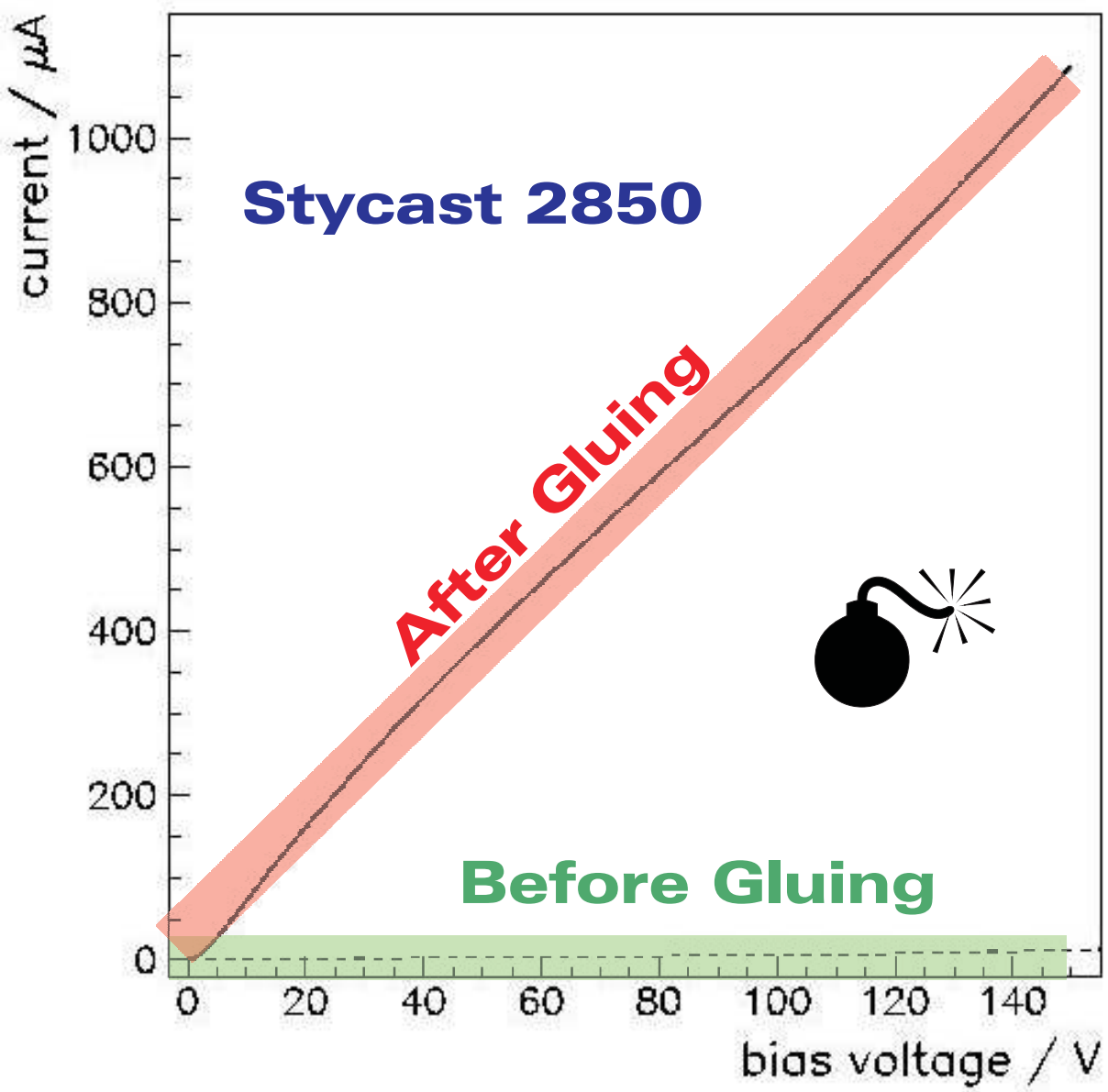
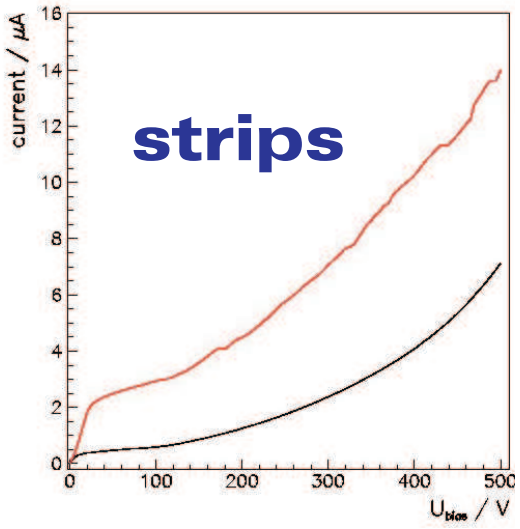
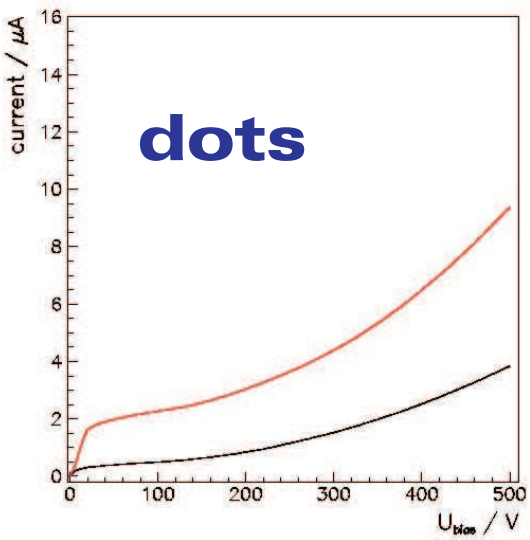
Gluing the Silicon



The detectors actually worked.
Currents do not scale with temperature.
Surface effects due to tensions.

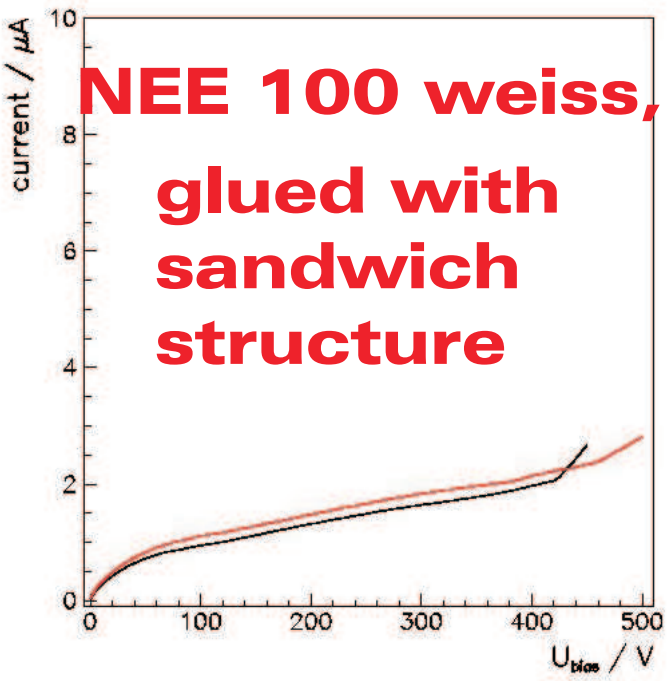
Epoxy vs. Silicone





Araldit 2011

Reducing the gluing area helps.



Silicone

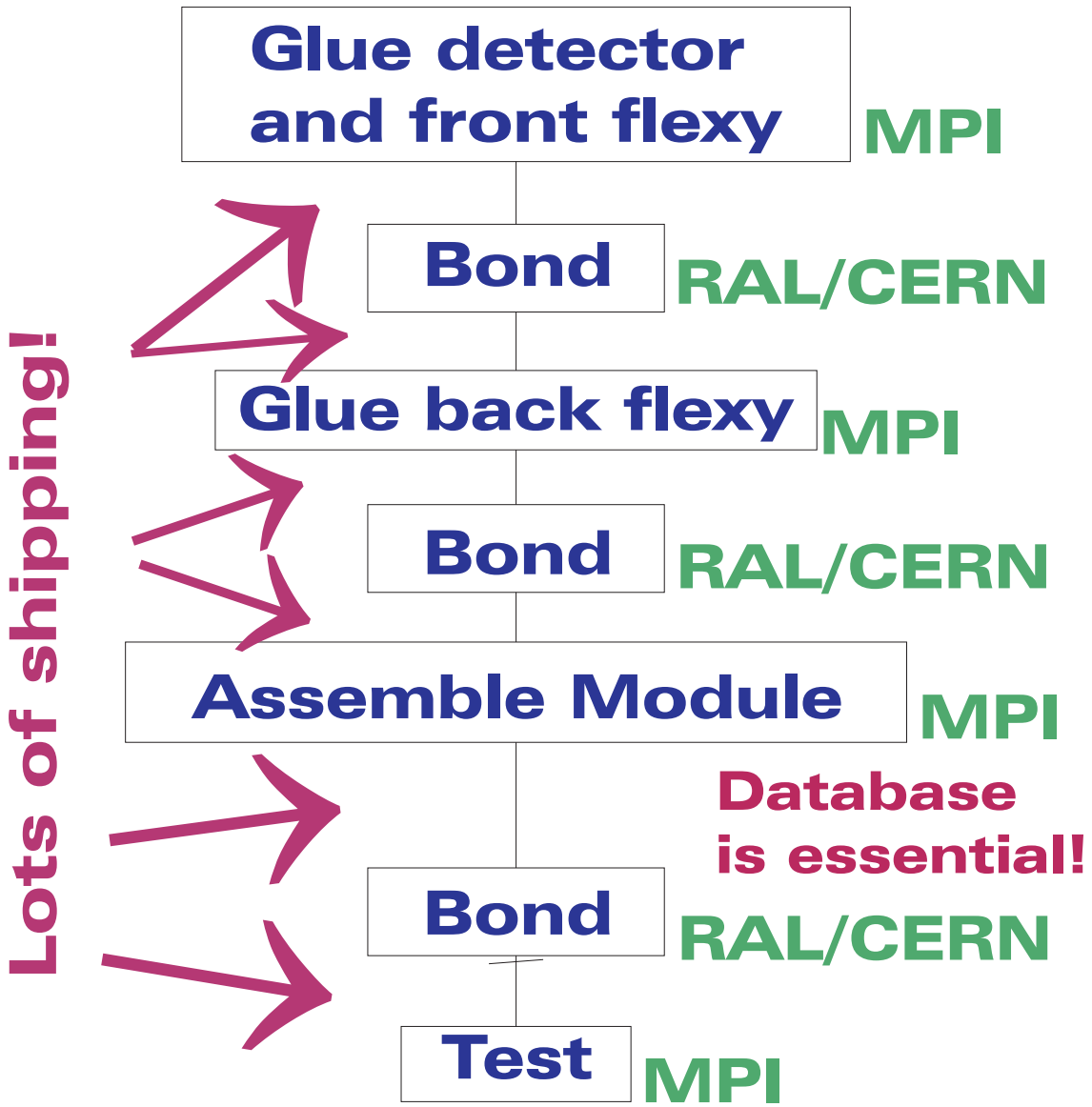
Glue
Kapton
Glue

No stress, No problem!

Epoxy does not work !

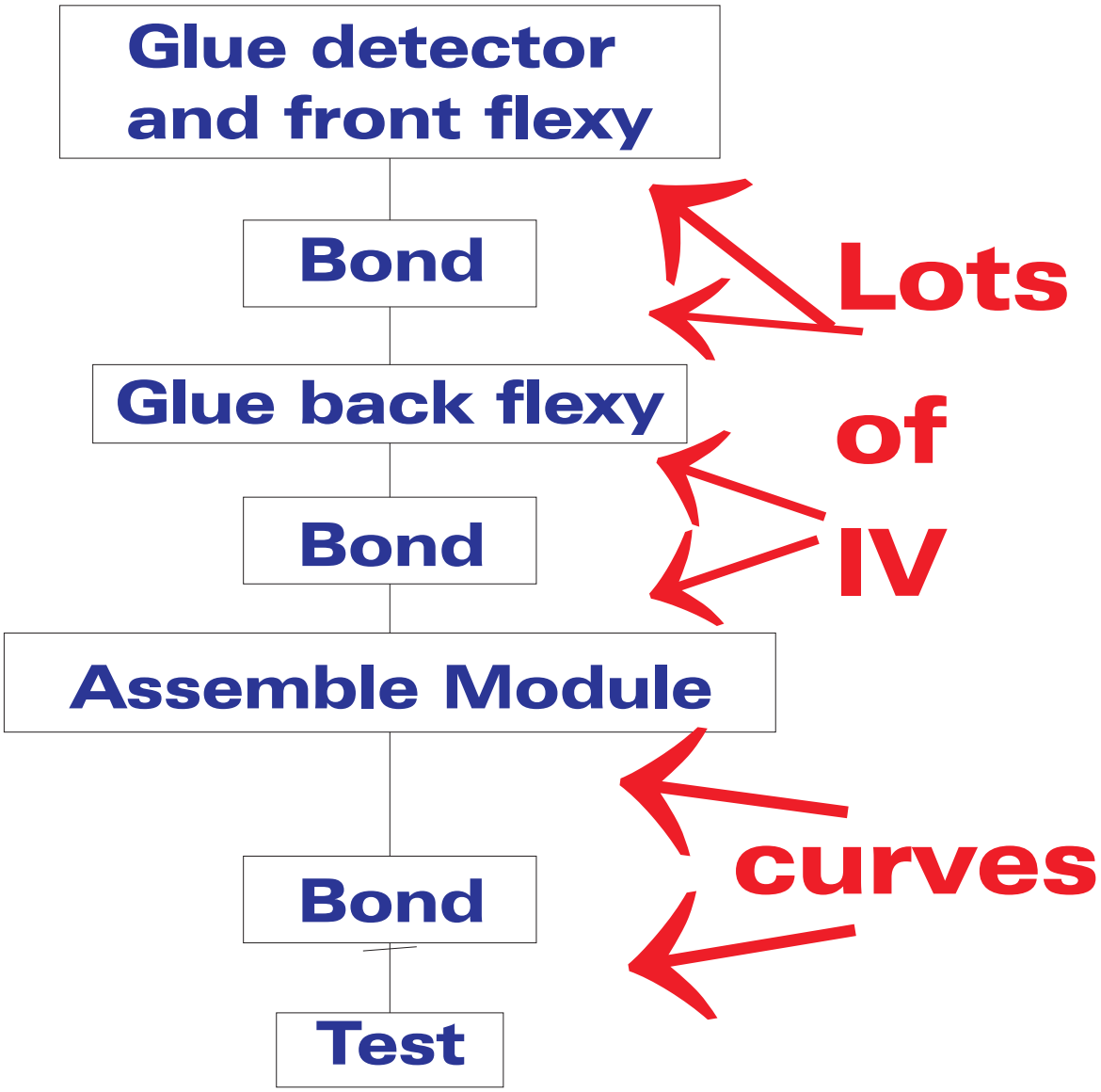
better: it works too well....

Module Production



We can produce 3 modules per week, but it takes 3 month to make a module.

Module Production QC



All these IV curves turned out to be totally unnecessary.

Production Procedures

Modules were assembled and tested under normal laboratory conditions.

NO CLEAN ROOMS

Modules were shipped without any special precautions.

You need a clean hit to destroy a silicon detector.

Modules are resistent to

heat [tested up to 100 C]
condensation
use a hair-dryer
oil films from old pumps
use acetone