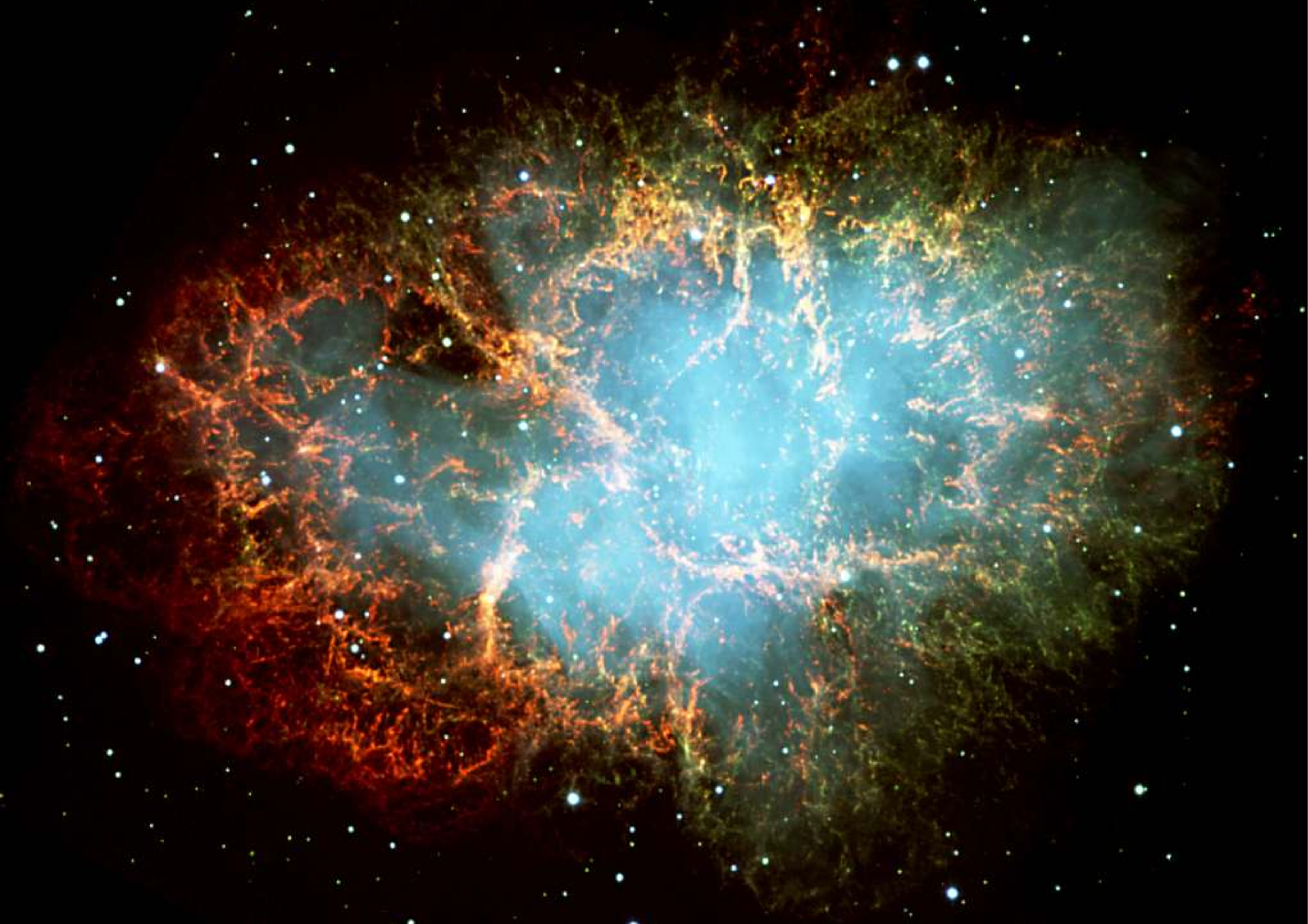
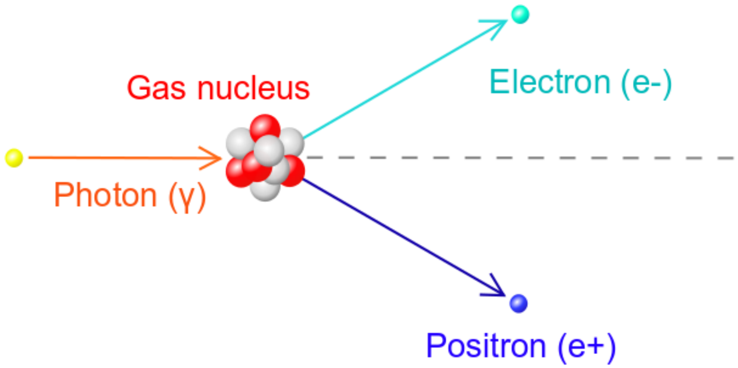
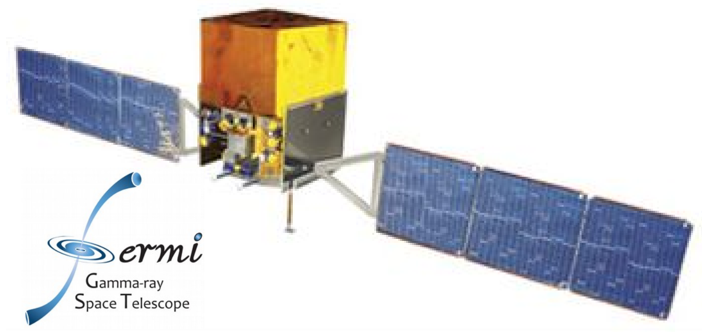


A **multi-m³ gas detector** as a **high-precision 3D tracker** for a **future gamma-ray space telescope**



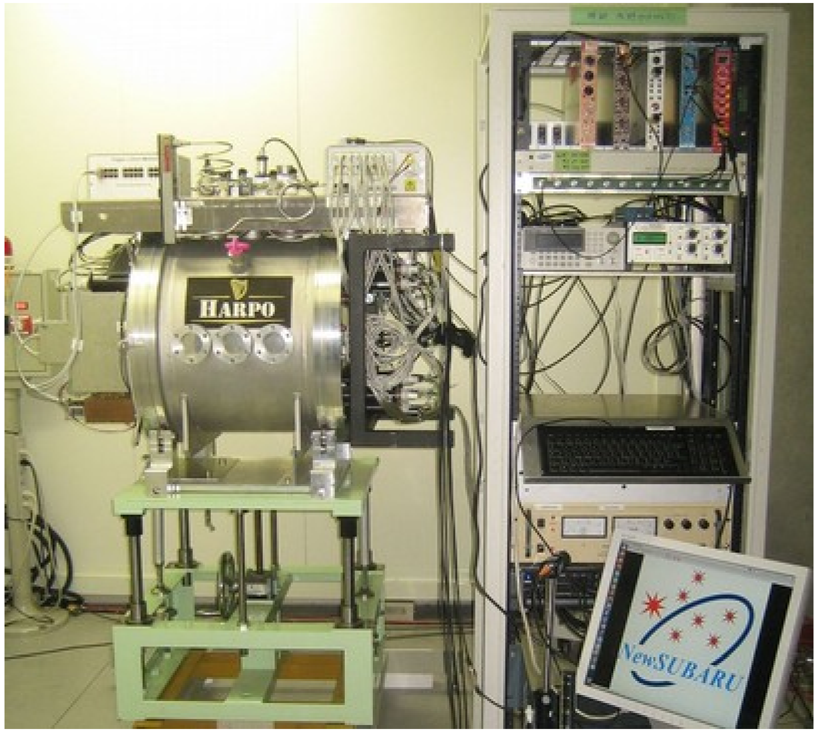


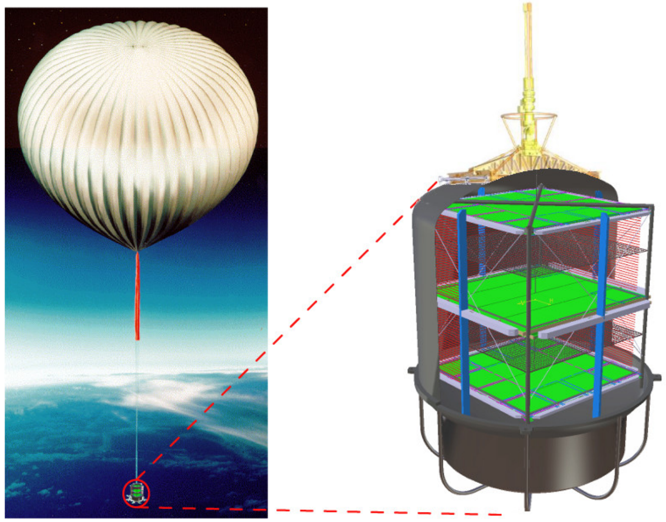
Challenging :

- **Low power consumption**
- **Reduce number of sensors**
- **High background** (20 kHz/m²)

Ground characterisation towards a space mission

Electronics for the HARPO (Hermetic ARgon POlarimeter) TPC (Time Projection Chamber)





Today

Technological validation of a gas detector as gamma-ray polarimeter

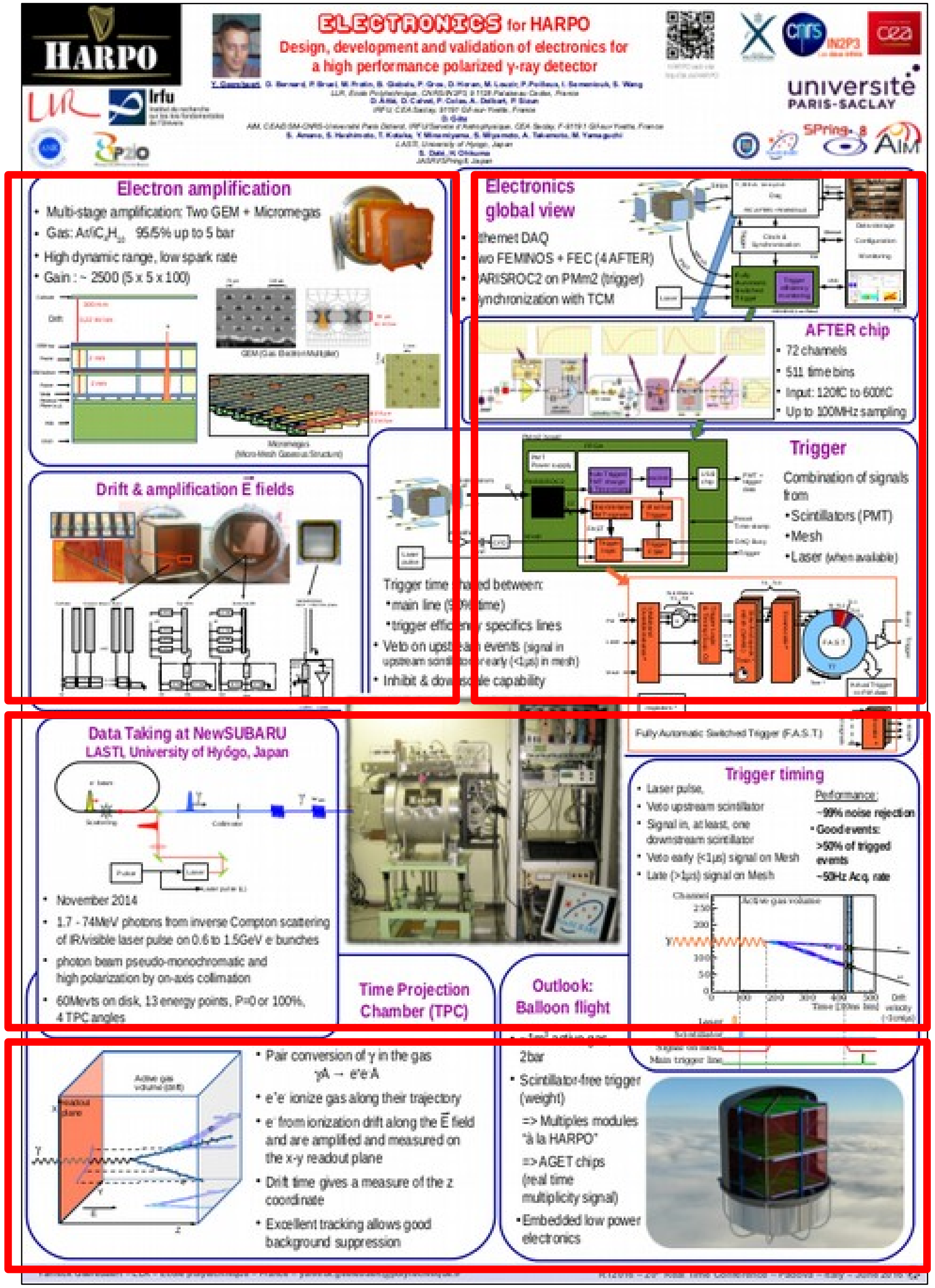
Next proposal: Balloon-borne

Poster

TPC design

Beam configuration & Trigger performance

TPC principle & Outlook

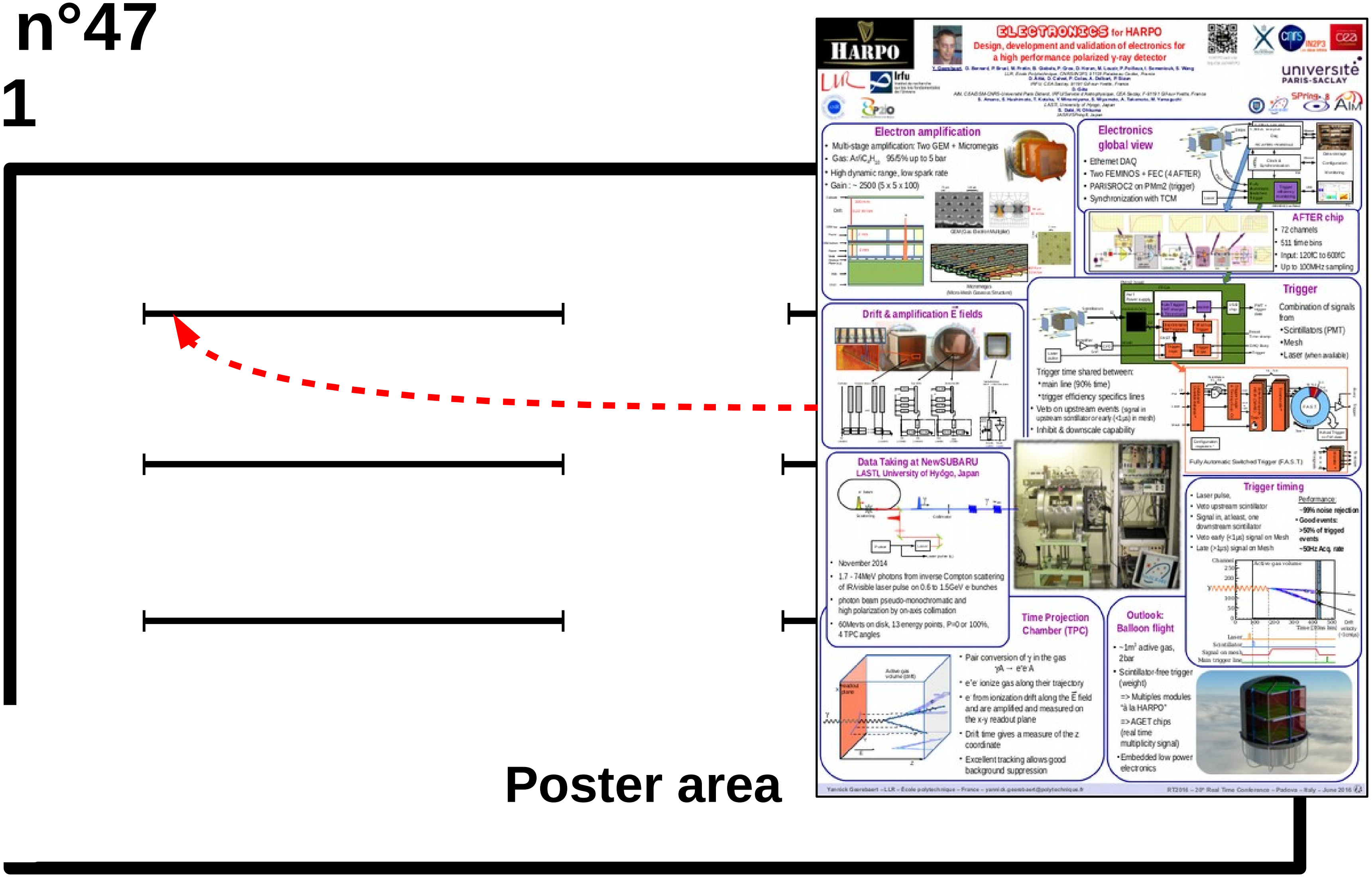


DAQ & Trigger design

Presented Tuesday by Denis Calvet

Poster location

Session n° 2, Friday morning
Poster ID n°47
Place: E01



Coffee area