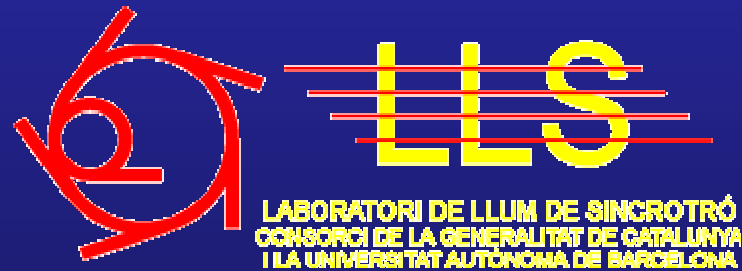


Status of the Spanish Light Source

David Beltrán





France

Spain

Portugal

Morocco



Barcelona

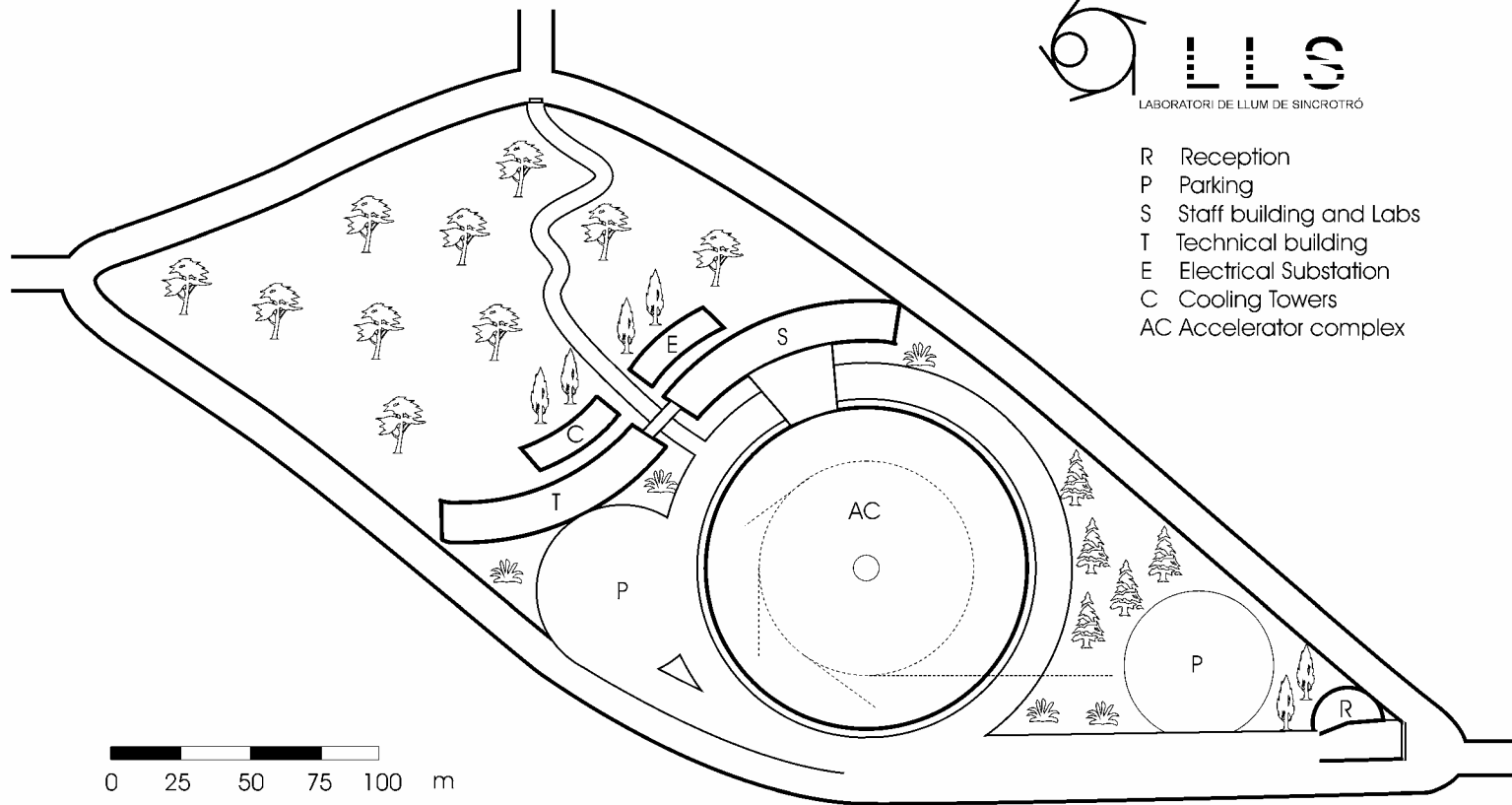






LABORATORI DE LLUM DE SÍNCROTRÓ

- R Reception
- P Parking
- S Staff building and Labs
- T Technical building
- E Electrical Substation
- C Cooling Towers
- AC Accelerator complex

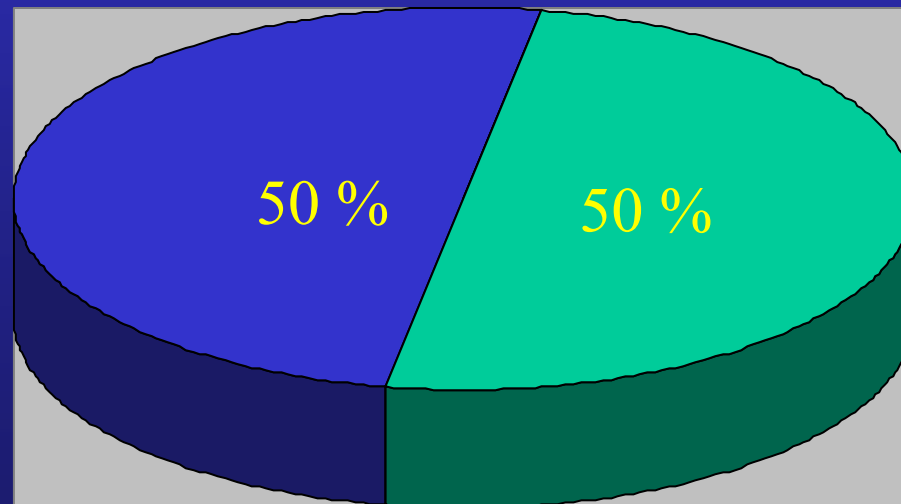
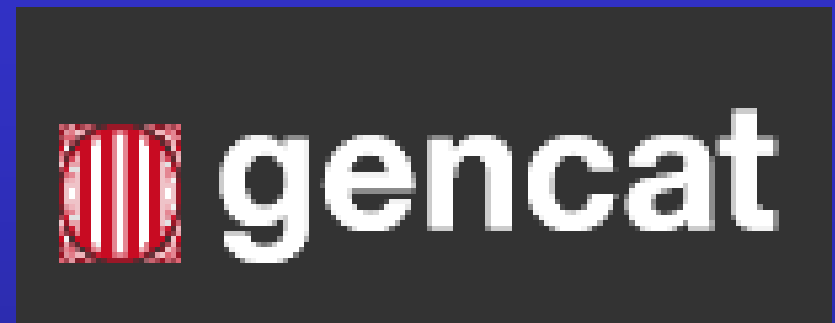


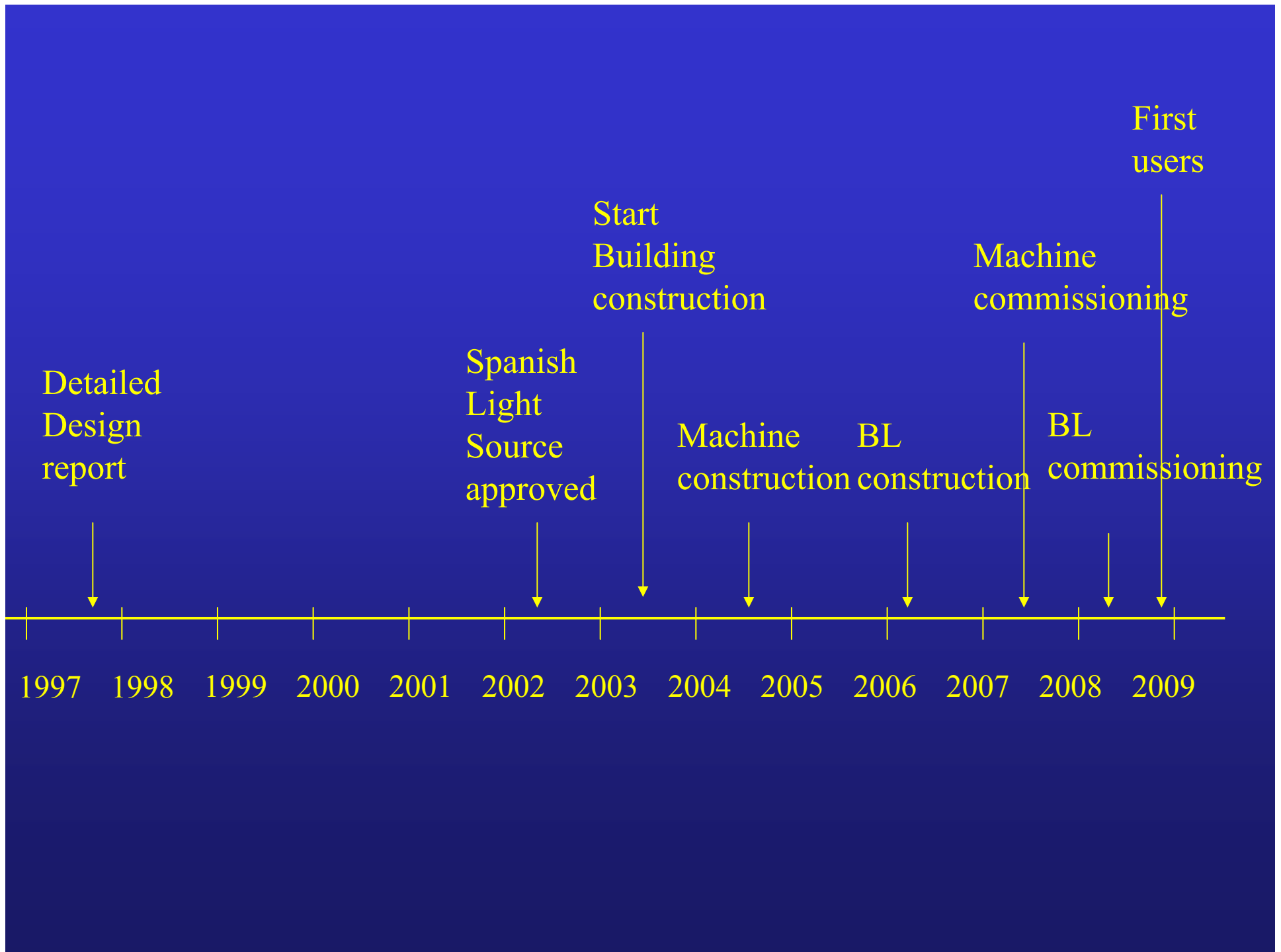
0 25 50 75 100 m

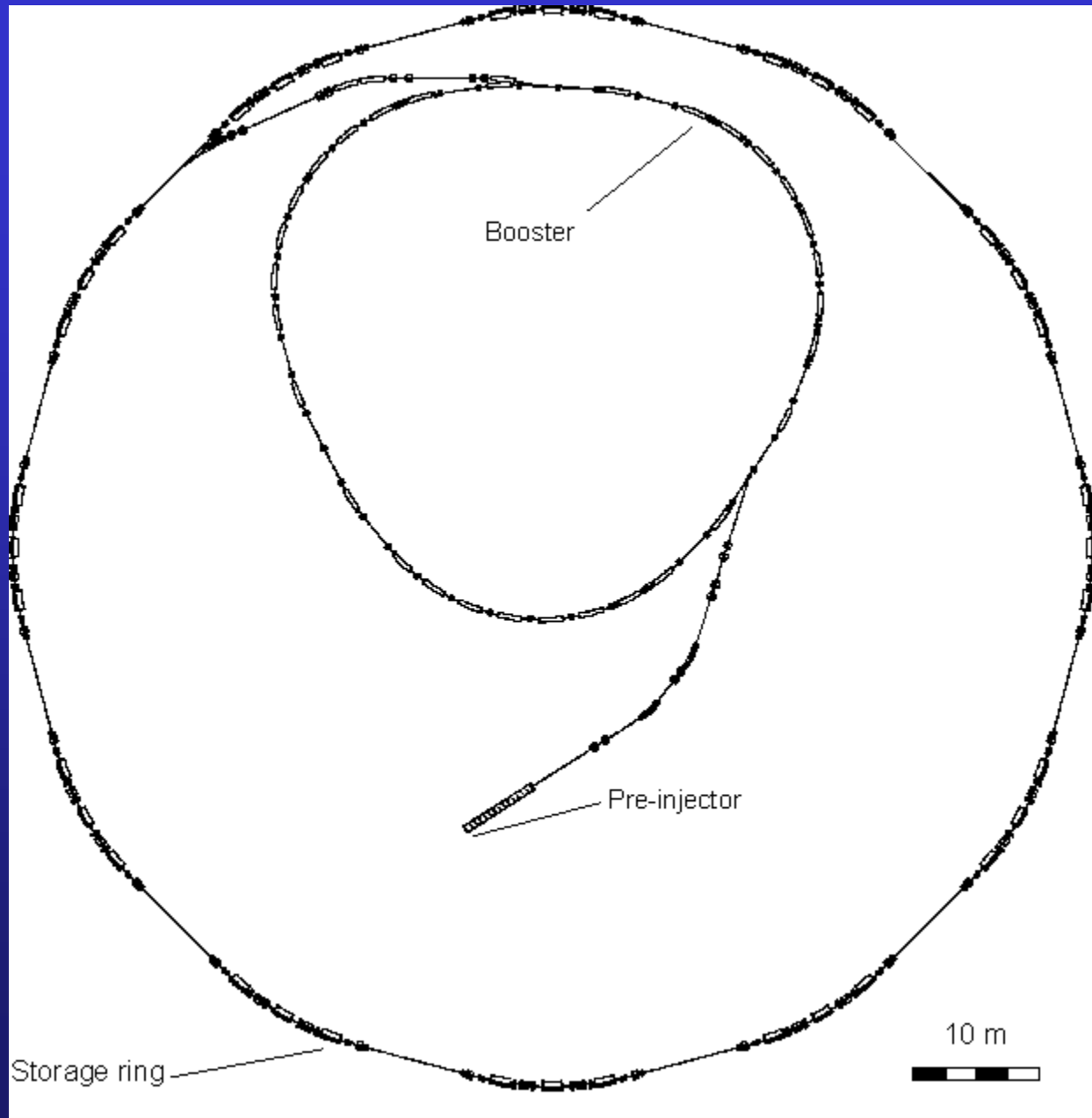
Spanish Government



Catalan Government

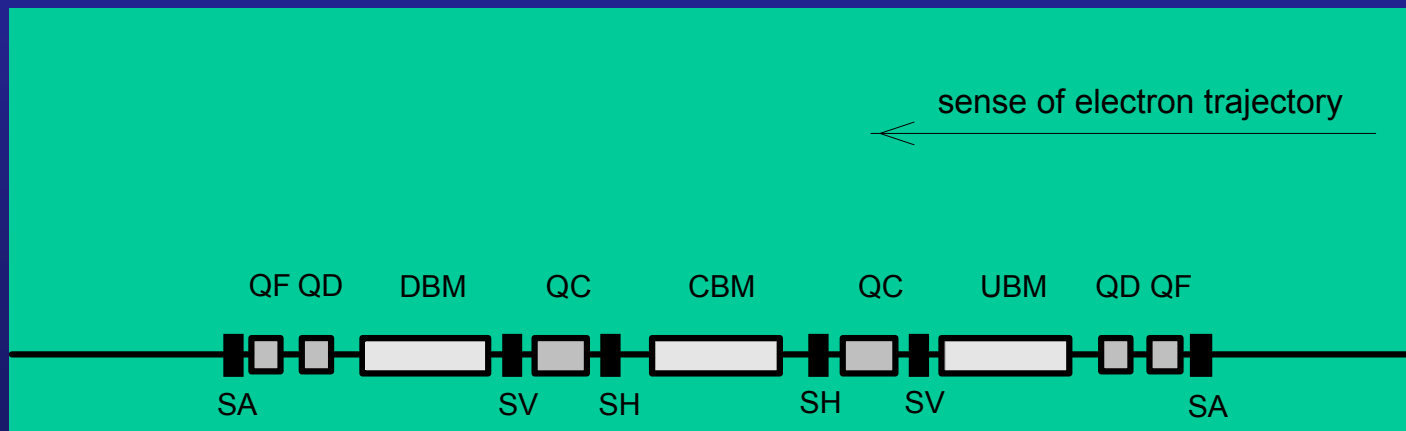
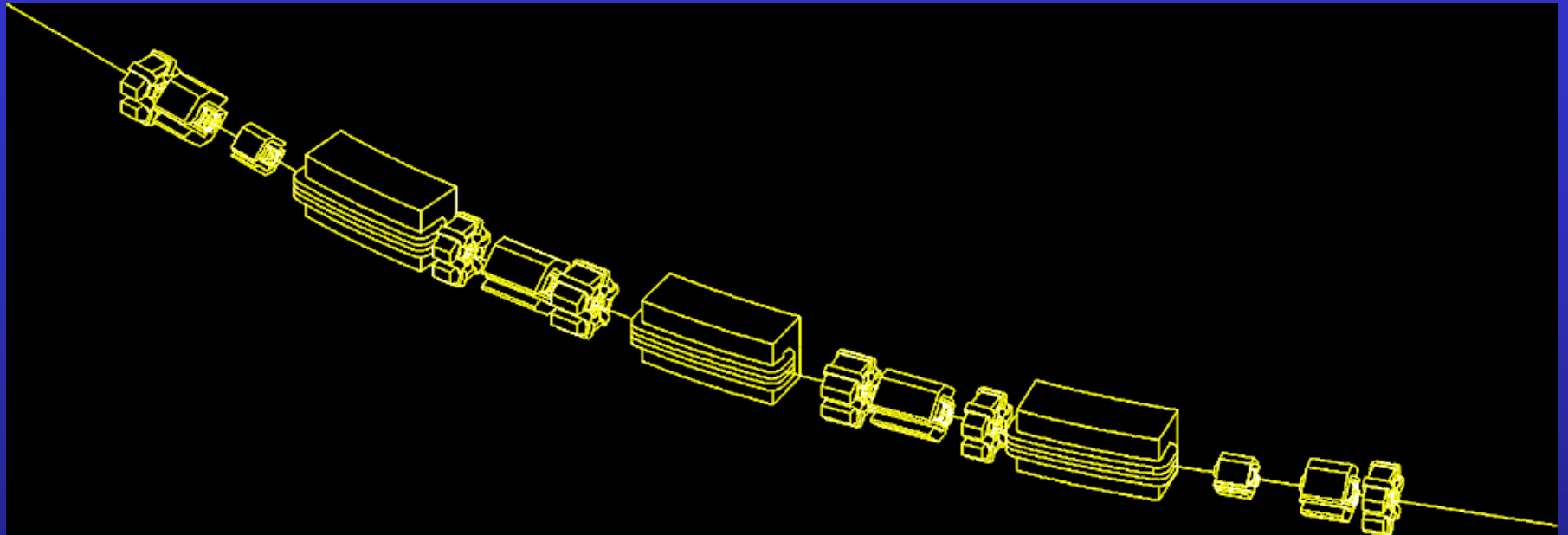






Basic parameters

Lattice type	TBA
Energy	2.5 GeV
Number of cells	12
Circumference	251.8 m
Circulating current	250 mA
Natural emittance	8.48 nm mrad
Critical energy	4.2 keV
Betatron tunes	14.3 (h) 8.2 (v)
RF frequency	500 MHz



Spanish Synchrotron Beamlines

- X-ray Spectroscopy
- Powder and single crystal diffraction (microfocus)
- SAXS/WAXS
- Protein crystallography
- Soft X-ray spectroscopies