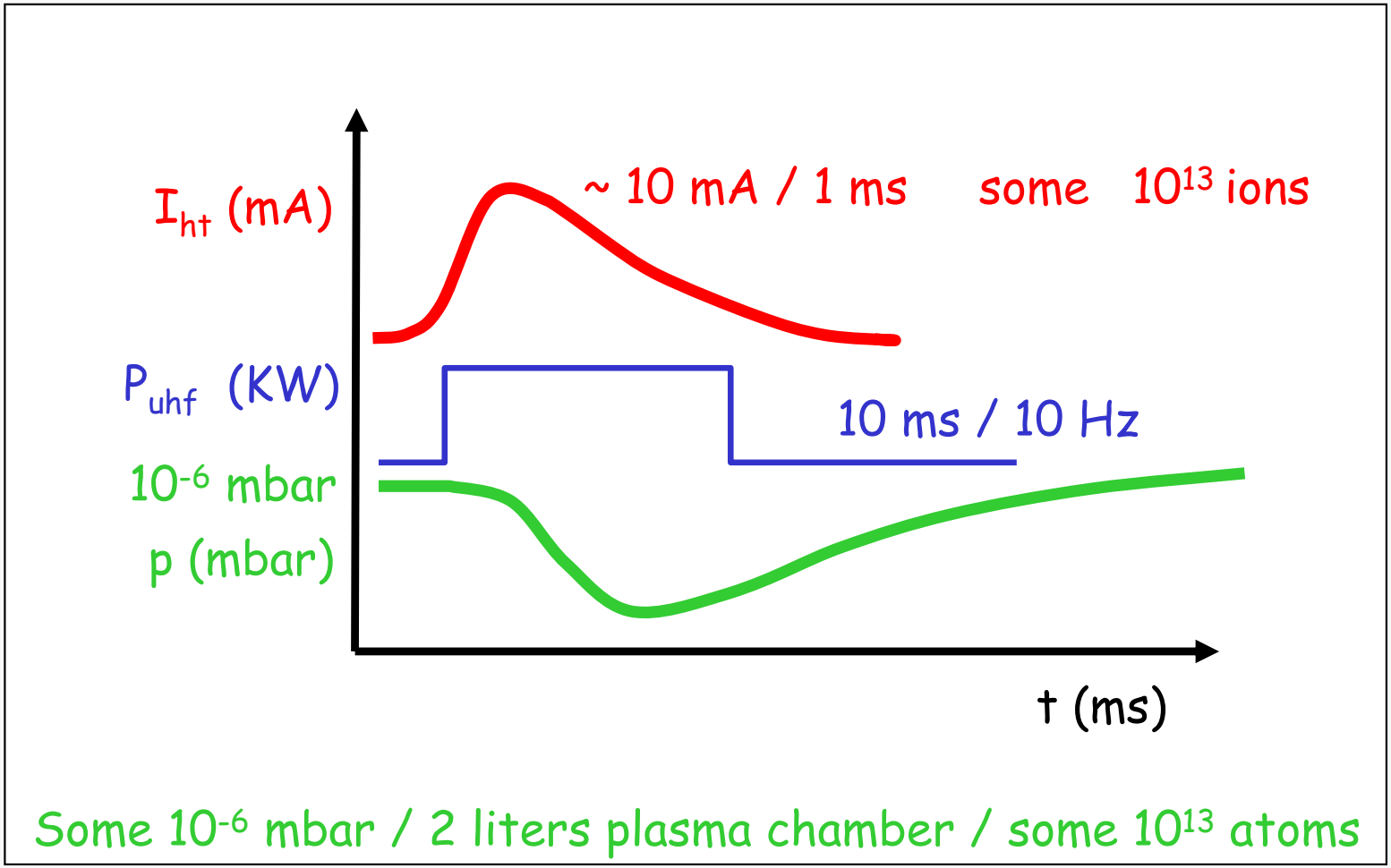
LPSC Planning for the first 18 months

- Pre-Glow Study at 18 & 28 Ghz with the Phoenix ECR source
  - Gaz efficiency ionization study, vs :
    - ✓ UHF pulse power
    - ✓ UHF pulse frequency
    - ✓ UHF pulse duty cycle
    - ✓ plasma electrode Ø,
    - ✓ for He and Ne
- Intermediate report at T_0+12 months
- Report at T_0+18 months

At T_0+18 : 60 GHz Gyrotron order with technical specifications according to the Report results

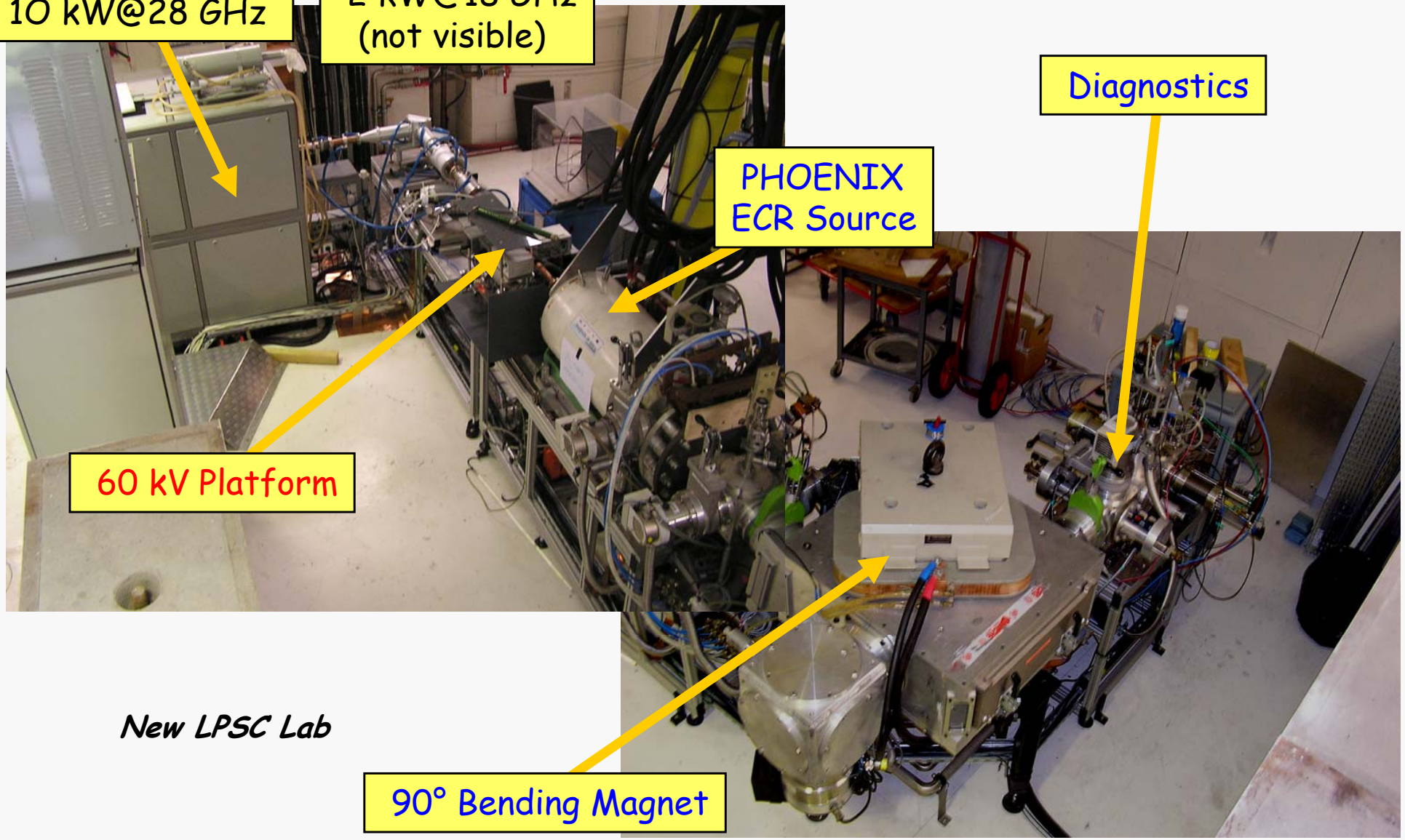
PHOENIX 28 GHz ionic pumping during preglow effect



Some 10^{-6} mbar / 2 liters plasma chamber / some 10^{13} atoms

High Current ECR Test bench

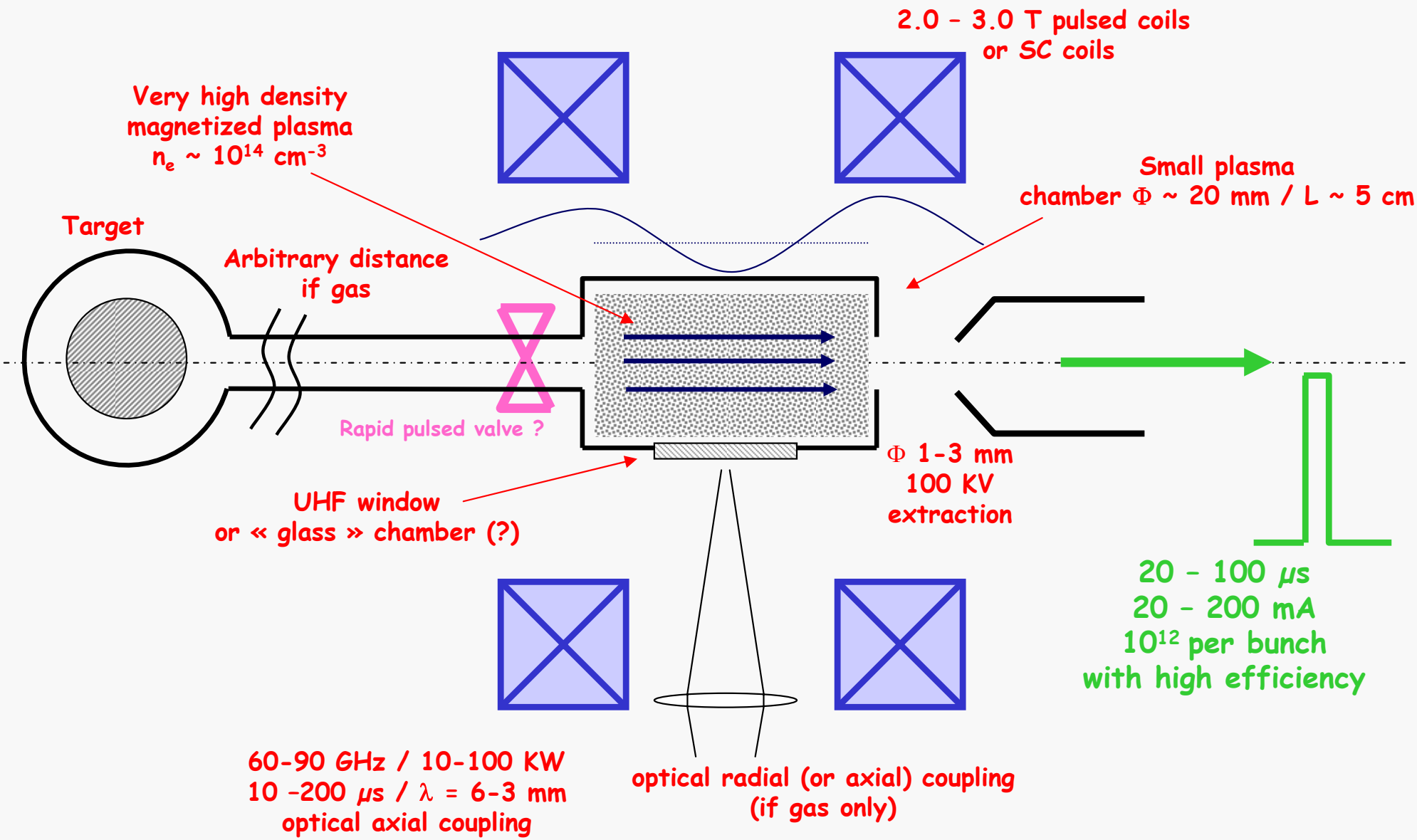
LPSC Grenoble
Laboratoire de Physique Subatomique et de Cosmologie



New LPSC Lab

60 GHz « ECR Duoplasmatron » for gaseous RIB

Eurisol / Isolde / LPSC collaboration



High frequency pulsed beam program