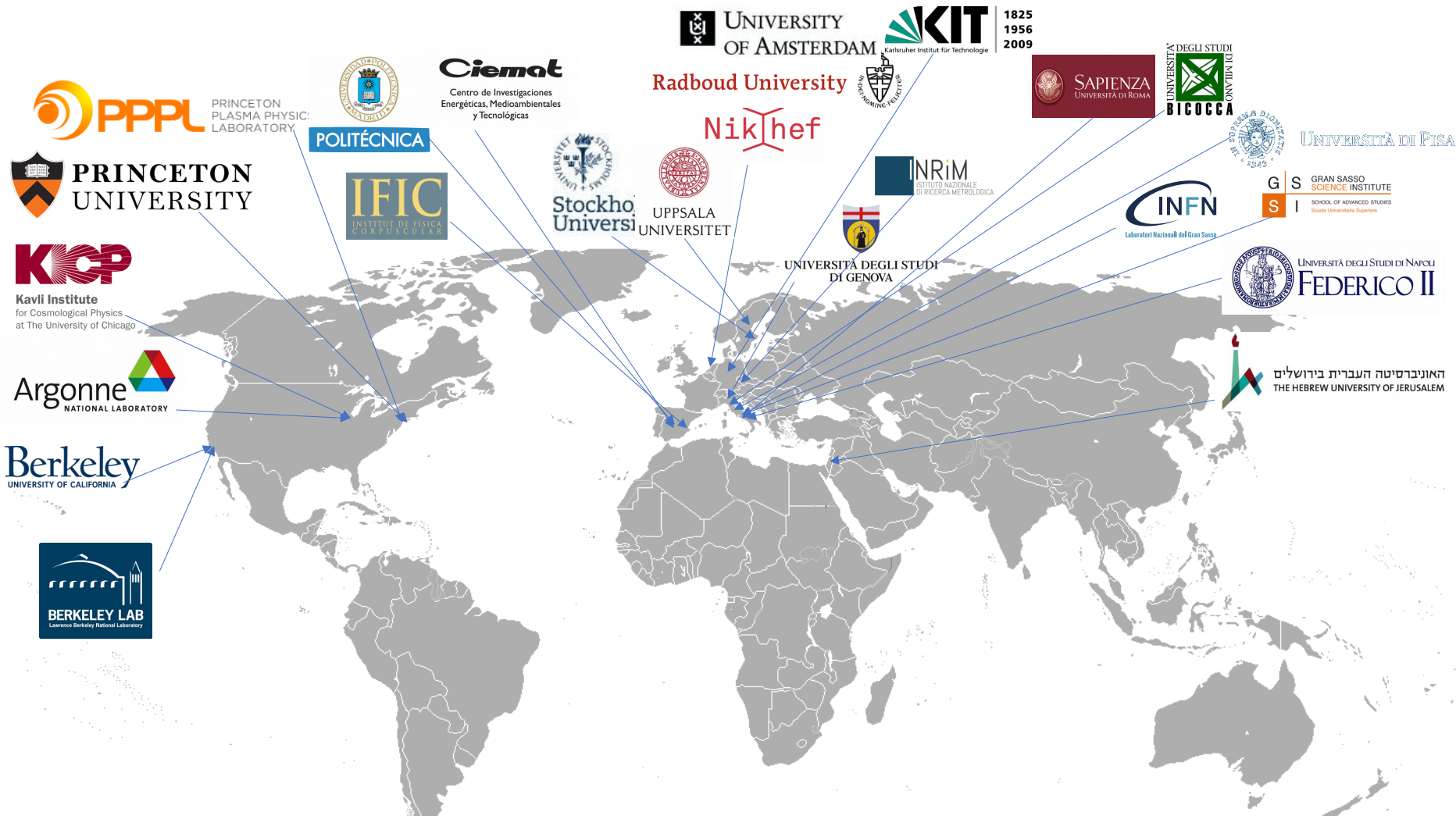


PTOLEMY

PonTecorvo Observatory for Light, Early-Universe,
Massive-Neutrino Yield

55 physicists from more than 20 Institutions



PTOLEMY roadmap

Phase 0

Proof-of-principle @ LNGS:

TES, Graphene, RF, background level

(3 to 5 years)

Phase I

Technical design for a scalable detector

Phase II

Full detector construction and search for relic neutrinos

(Tritium target on the scale of grams)

Ongoing activities at LNGS



- Dilution Refrigerator under (commissioning)
- Magnets energizing (soon)
- Electron-gun with MCP electron detector (data taking)
- HV system with stability at 10^{-6} (ongoing upgrade)

Anagrafica e Richieste

F. Gatti	10%
Monticone	20%
M. Rajteri	20%

Servizi:

Nessuna richiesta significativa