

# Particle Physics in Israel

Israel has a strong tradition in both experimental and theoretical particle physics, with a major involvement in the OPAL experiment at LEP. Israel became an Observer State in 1991 following an Agreement to contribute funds to CERN to be used to support Israeli scientists working at CERN and to contribute equipment to CERN. The Israeli fund has also been used to contribute to LEP running, to support LHC construction and CLIC R&D, and to support Palestinian students at CERN.

Israel currently has a strong involvement in ATLAS, and also participates in experiments using fixed targets and ISOLDE. Israel also paid for an average of two people to work at CERN over a period of four years on Phase 1 of the WLCG, and is now contributing to the deployment of the worldwide LHC computing Grid.

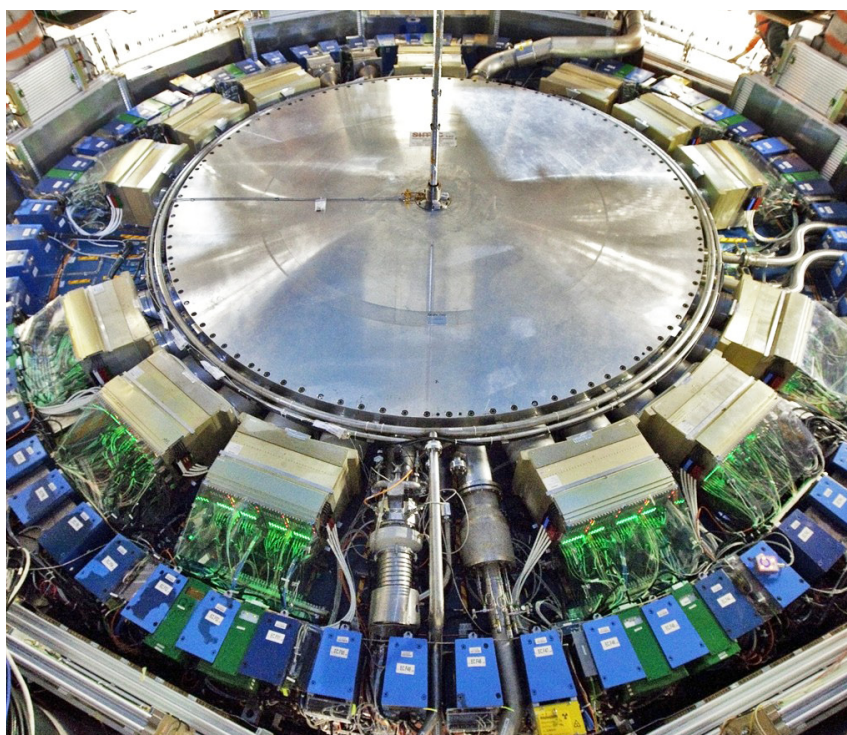
Since 12 October 2011, Israel is an Associate Member in the pre-stage to Membership of CERN for a minimum period of 24 months. Following this period, CERN Council will decide on the admission of Israel to full Membership, taking into account the recommendations of a task force to be appointed for this purpose.

## Participation in CERN Experiments

- ATLAS, ALPHA, COMPASS, OPERA, RD50, ISOLDE

## Participation in CERN accelerator projects

- WLCG PARTICIPATION
- Tier-2 centre



ATLAS