

From the PS to the LHC

*50 years of Nobel Memories
in High-Energy Physics*

Programme

with the support of



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50 years of Nobel Memories in High-Energy Physics

3 and 4 December 2009 | CERN - Main Auditorium

3 December 2009

- 14h00** Welcome
- 14h10** Recollections of Early Days at PS and LEP
Prof. Jack STEINBERGER
- 14h40** The PS Machine: 50 Years of Continuous Evolution
Dr. Günther PLASS
- 15h10** LEP Construction
Prof. Emilio PICASSO
- 15h40** LEP Operation
Dr. Steve MYERS

Coffee Break – Refreshments

- 16h40** Proton-Antiproton Colliders
Prof. Carlo RUBBIA
- 17h10** Electron Accelerators at CERN
Prof. Burton RICHTER
- 17h40** The LHC Adventure
Dr. Lyn EVANS
- 18h10** The Future of the CERN Accelerators Complex
Prof. Rolf-Dieter HEUER
- 19h00** Cocktail in the CERN Glassbox Restaurant

4 December 2009

- 09h00** Memories of the Events that led to the Discovery of the ν_{μ}
Prof. Leon LEDERMAN
- 09h30** The Discovery of CP Violation: a Surprise
Prof. Jim CRONIN
- 10h00** Unification: Then and Now
Prof. Sheldon GLASHOW

Coffee Break – Refreshments

- 11h00** Peering Inside the Proton
Prof. Jerome FRIEDMAN
- 11h30** QCD: An Unfinished Symphony
Prof. Frank WILCZEK
- 12h00** The LHC and the Higgs boson
Prof. Martinus VELTMAN

Lunch Break

- 14h00** The Unique Beauty of the Subatomic Landscape
Prof. Gerardus 't HOOFT
- 14h30** QCD: Now and Then
Prof. David GROSS
- 15h00** Test of the Standard Model in Space:
The AMS Experiment on the International Space Station
Prof. Samuel TING
- 15h30** Changing Views of Symmetry
Prof. Steven WEINBERG (via Teleconference)
- 16h00** Discussion and Conclusions

Refreshments