

HALHF Workshop – Erice, Italy



Thursday 3 October 2024 - Tuesday 8 October 2024

Ettore Majorana Centre

Scientific Programme

Parallel Sessions (questions and rapporteurs indicated below)

Timetable:

Parallel Session — Question

#1 (Fri 16:10): Q1, Q4

#2 (Sat 09:30): Q2, Q7

#3 (Sat 11:00): Q5, Q8

#4 (Sat 14:30): Q3, Q6

#5 (Sat 16:10): Q1, Q4

#6 (Sun 10:00): Q2, Q7

#7 (Sun 11:25): Q3, Q6

#8 (Mon 09:30): Q5, Q8

Question 1

RF linac designs: constraints and costs of drive-beam linac and positron linac. (B. List, S. Gessner)

Question 2

Beam-driven RF/SWFA cost-effective alternative for the positron linac (X. Lu, K. Sjøbæk)

Question 3

BDS: shorten, collimation, include positron source; positron/electron damping rings design, (A. Seryi, G. Moortgat-Pick)

Question 4

The upgrade ladder: demonstrators, default energy, XCC, 10 TeV path (T. Barklow, M. Hogan)

Question 5

Plasma-linac design: staging, driver distribution (C. A. Lindstrøm, M. Thévenet)

Question 6

Plasma-linac design: polarisation, beam-quality preservation, tolerances (K. Pöder, E. Adli)

Question 7

Plasma generation, heating, cooling and power flow, efficiency (R. D'Arcy, J. Wood)

Question 8

Physics/detector constraints, including coherent pairs (J. List, S. Farrington)