

M. Zisman
May 15, 2000

Working Group 4
DRAFT Plan

Day	Session	Time	Duration	Topic	Joint?
Tuesday-May 23, 2000	A	11:00-12:30	90	Review of R&D Plans	J-WG5
	B	14:00-15:30	90	Views of Cooling Front Ends	J-WG5
	C	15:50-17:30	100	Target & Capture	
Wednesday-May 24, 2000	D	9:00-10:00	60	Front End-I	
	E	10:00-10:40	40	Front End-II	
	F	11:00-12:30	90	Contributed Papers	
Thursday-May 25, 2000	G	10:00-10:40	40	Proton Driver Options	
	H	11:00-12:30	90	Acceleration	
	I	14:00-15:30	90	Storage Ring	
	J1	15:50-16:50	70	Theory & Simulations	
	J2	16:50-17:30	30	Preparation of summary report	

Working Group 4 DRAFT Agenda
May 15, 2000

Session A: *Review of R&D Plans and Schedules* (Joint with WG-5; organized by WG-5)

Chair: Y. Iwashita, KEK

R&D in the U.S. (M. Zisman, LBNL)	30 min
R&D in Japan (Y. Mori, KEK)	20 min
Panel Discussion of R&D in Japan, Europe, U.S. (Y. Mori, KEK; H. Haseroth, CERN; M. Zisman, LBNL))	15 min
Discussion	25 min

Session B: *Views of Cooling Front Ends* (Joint with WG-5; organized by WG-5)

Chair: M. Tigner, Cornell

View-I (R. Palmer, BNL)	25 min
View-II (P. Spentzouris, FNAL))	25 min
View-III (A. Lombardi, CERN)	25 min
Discussion	15 min

Session C: *Target & Capture*

Chair: TBD

Solid Target Options (S. Childress, FNAL)	15 min
Liquid-jet Target Options (K. McDonald, Princeton)	15 min
RAL Target Studies (P. Drumm, RAL)	15 min
Target and Capture Simulations (T. Yokoi, KEK)	15 min
Solenoid Capture (H. Kirk, BNL)	10 min
Horn Capture (N. Vassilopoulos, CERN)	10 min
Discussion	20 min

Session D+E: *Front End*

Chair: R. Palmer, BNL

Induction Linac Approach (Y. Fukui, UCLA)	20 min
RF Approach (A. Lombardi, CERN)	20 min
Buncher Options (D. Neuffer, FNAL)	15 min
Alternating Solenoid and Single Field Flip Channels (N. Mokhov, FNAL)	15 min
Ideas for Emittance Exchange (G. Hanson, IU)	15 min
Discussion	15 min

Session F: *Contributed Papers*

Chair: M. Zisman, LBNL

Contributions (To be scheduled at Workshop)	90 min
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Session G: *Proton Driver Options*

Chair: J. Gareyte, CERN

CERN Approach (H. Schonauer, CERN)	10 min
Neutrino Factory Studies at RAL (C. Prior/G. Rees, RAL)	10 min
Japan Approach (M. Yoshii, KEK)	10 min
U.S. Approaches (W. Chou, FNAL)	10 min

Session H: *Acceleration*

Chair: E. Keil, CERN

Initial Linac Longitudinal Acceptance (S. Berg, BNL)	10 min
Lattice Design Options for RLAs (V. Lebedev, Jlab)	15 min
Choice of Frequency for RLA-2 (J. Delayen, Jlab)	15 min
Other Acceleration Schemes (Y. Mori, KEK)	15 min
Beam Loading Effects During Acceleration (S. Berg, BNL)	10 min
High-Power RF Sources (D. Sprehn, SLAC)	10 min
Discussion	15 min

Session I: *Storage Ring*

Chair: S. Kamada, KEK

Lattice Design Options for Storage Ring (C. Johnstone, FNAL)	20 min
Options for Polarization (A. Blondel, LPNHE Ecole Polytechnique)	15 min
Error Sensitivity (M. Berz, MSU)	15 min
Contributions (TBD)	20 min
Discussion	20 min

Session J1: *Theory & Simulations*

Chair: D. Neuffer, FNAL

Simulation Tools Available (Japan.) (S. Kamada, KEK)	10 min
Simulation Tools Available (Europe) (A. Lombardi, CERN)	10 min
Simulation Tools Available (U.S.) (R. Fernow, BNL)	10 min
Beam Dynamics Analysis of Ionization Cooling (K-J Kim, ANL)	10 min
Emittance Blowup During Pion Decay (B. Autin, CERN)	10 min
Discussion	20 min

Session J2: *Preparation of Summary Report*

Chairs: J. Gareyte, CERN; S. Kamada, KEK; M. Zisman, LBNL

Discussion of what we conclude	30 min
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