

NOVA Collaboration MeetingWednesday August 16 - Friday August 18, 2006Fermilab, 8<sup>th</sup> floor cross-over

08/16/06			minutes
Plenary session: Wednesday Aug 16, 9A-10:30A			90
<b>Experiment and project status</b>			
Current events	Gary Feldman		25
Report from Italy	Mauro Morandin		15
Proton plan and NuMI Upgrade	Mike Martens		20
Project overview	John Cooper		30
<i>Total:</i>			90
Plenary session: Wednesday Aug 16, 10:50A-12:30P			100
<b>Project reports</b>			
Wavelength shifting fiber	Carl Bromberg		25
PVC Extrusions	Rich Talaga		25
Module factory and assembly	Ken Heller		25
Detector assembly overview	Dave Ayres		25
<i>Total:</i>			100
Parallel session: Wednesday Aug 16: 1:30P-5:00P			210
<b>PVC and Extrusions Technical Session I</b>			
<i>Note: Temple meeting at 2:00 pm in parallel</i>			
PVC Creep	Jim Grudzinski		15
Stabilize structure against creep	Vic Guarino		15
Discussion	[Ayres]		20
Photo-documentary of 16-cell extrusion production this week	[Talaga]		30
break			10
Discussion on reflectivity, light yield and powder reflectivity	[Talaga]		30
Discussion on vertical extrusion schedule & resin choice	[Talaga]		30
Shipping & handling	[Talaga]		30
Finalize extrusion dimensions	[Talaga]		30
<i>Total:</i>			210
Parallel session: Wednesday Aug 16: 1:30P-5:00P			
<b>DAQ, Electronics, and Slow Controls Working Session</b>			
<i>(to be organized by Leon)</i>			
08/17/06			
Plenary Session: Thursday Aug 17, 8:30A-12:30P			240
<b>Project reports</b>			
Scintillator QC, Composition, and light output	Chuck Bower		20
Measuring scintillator attenuation length	Tom Coan		15
Liquid scintillator electrostatics	Jim Musser		20

Sheet1

Electronics and DAQ Status	Leon Mualem	20
APD Update	Roger Rusak	15
Site and Building	Steve Dixon	20
Site and Building Risk Management	Russ Alber	20
break		20
Far detector installation and building issues	Bill Miller	30
Near detector location and rotation options	Peter Lucas	20
Near detector simulations	Brian Rebel	20
IPND Planning	Karen Kephart	20
		240

IB lunch

Technical session: Thursday Aug 17: 1:30P-5:30P 240

**Module Technical Session I**

New open manifold design	[Heller]	20
Time/motion studies of closed manifold design	[Heller]	20
Liquid scintillator filling interface	[Heller]	20
New bottom plate design	Tom Chase	20
Studies of joints and gluing	[Heller]	20
break		20
Glue strength studies	[Heller]	20
Leak tests	[Heller]	20
RF sealing	[Heller]	20
Prototype machines	[Heller]	20
Quality control devices	[Heller]	20
Discussion/float		20
		240

6:30P ExecCom Dinner (location TBD)

08/18/06

Technical session: Friday Aug 18, 8:30A-12:30P 240

**Detector installation and outfitting**

Far detector installation/building	[Ayres]	60
ND/FD outfitting	[Ayres]	30
Optical connector	[Heller]	15
Heat flow considerations	[Heller]	15
Alignment and mounting	[Heller]	15
Mechanical support	[Heller]	15

**IPND Planning**

IPND planning, including 8-plane proto segment	[Ayres]	
IPND Planning	[Heller]	

Total: 240

Plenary session: Friday Aug 18: 1:30P-4:00P 150

**Simulations and software**

Simulations and software overview	Peter Shanahan	25
Overburden simulations	Mark Messier	20
Database update	Jon Paley	15

**Concluding discussion and TDR planning**

Exec Com Summary, TDR planning Discussion	Mark Messier	90
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Sheet2

List of requested talks. Roughly groups by topic

“Big pictures”

P	Current events	Gary Feldman
P	Report from Italy	Mauro Morandin
P	Proton plan and NuMI Upgrade	Mike Martens
P	Project overview	John Cooper

Level 2 summary reports

P	Wavelength shifting fiber	Carl Bromberg
P	PVC Extrusions	Rich Talaga
P	Module factory and assembly	Ken Heller
P	Detector assembly overview	Dave Ayres
P	Site and Building	Steve Dixon
P	Site and Building Risk Management	Russ Alber
P	Electronics and DAQ Status	Leon Mualem
P	APD Update	Roger Rusak

Plenary requests from Dave Ayres:

P	IPND Planning	Karen Kephart
P	Near detector location and rotation options	Peter Lucas
P	Far detector installation and building issues	Bill Miller
P	Liquid scintillator electrostatics	Jim Musser

Technical sessions requested by Dave Ayres

T	IPND planning, including 8-plane proto segment	[Ayres]
T	Far detector installation/building	[Ayres]
T	ND/FD outfitting	[Ayres]
T	PVC Creep	Jim Grudzinski
T	Stabilize structure against creep	Vic Guarino

Requests from Stuart Mufson

P	Scintillator QC and composition	Chuck Bower
P	Measuring scintillator attenuation length	Tom Coan
T?	Blending	Dave Pushka
T?	Kinder-Morgan and Bronkowski Visits	Anna Pla

Requests from Rich Talaga

T	Photo-documentary of 16-cell extrusion production this week	[Talaga]
T	Discussion on reflectivity, light yield and powder reflectivity	[Talaga]
T	Discussion on vertical extrusion schedule & resin choice	[Talaga]
T	Shipping & handling	[Talaga]
T	Finalize extrusion dimensions	[Talaga]

Sheet2

Requests from Ken Heller and Tom Chase

P Working group summary talk

Module technical session I

T New open manifold design [Heller]

T Time/motion studies of closed manifold design [Heller]

T Liquid scintillator filling interface [Heller]

T New bottom plate design Tom Chase

T Studies of joints and gluing [Heller]

T Glue strength studies [Heller]

T Leak tests [Heller]

T RF sealing [Heller]

Module technical session III

T Optical connector [Heller]

T Heat flow considerations [Heller]

T Alignment and mounting [Heller]

T Mechanical support [Heller]

Module technical session III

T Prototype machines [Heller]

T Quality control devices [Heller]

T Assembly plan for IPND [Heller]

Software and simulations - Peter Shanahan

P Simulations and offline overview Peter Shanahan

P Overburden simulations Mark Messier

P Muon tracking progress Masaki Ishitsuka

P Database report Jon Paley

P Near detector simulations Brian Rebel

Request from Leon Mulaem

T Electronics and DAQ [Mulaem]

T Slow controls [Mulaem]

		scheduled?
	90	y
25		y
15		y
20		y
30		y
	110	
20		y
30		y
30		y
30		y
	80	
20		y
20		y
20		y
20		y
	90	
20		y
20		y
30		y
20		y
	330	
90		y
90 [modules, electronics]		y
90 [site, PVC, modules, electronics]		y
30 [site, modules, electronics]		y
30 [site,PVC]		y
[site,PVC]		
	65	
15		y
15		y
15	Is there really anything new here? Check w/ Stuart on these...	
20	Same as John's report last week? n	
	These could maybe go into Friday AM session??	
	170	
30		y
30		y
30		y
40		y
40		y

	160	
0	Not needed?	
20		y
20		y
20		y
20		y
20		y
20		y
20		y
20		y
20		y
	90	
22.5		y
22.5		y
22.5		y
22.5		y
	90	
30		y
30		y
30	Can be included in Dave's session?	
	65	
25		y
10		y
0	Peter can include it?	
10		y
20		y
	90	
70		y
20		y
23.83		
21	Total time requested (hours)	
-2.83	3 days at 7 hours per day	
	deficit	

Notes:

Temple meeting on Wednesday afternoon 2-3(?): lose Carl/Ken/John/Gary/Me

Ana not available afternoon of Aug 17<sup>th</sup>