

MIPP Project Status

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Fermilab, 18 May 2002

Items

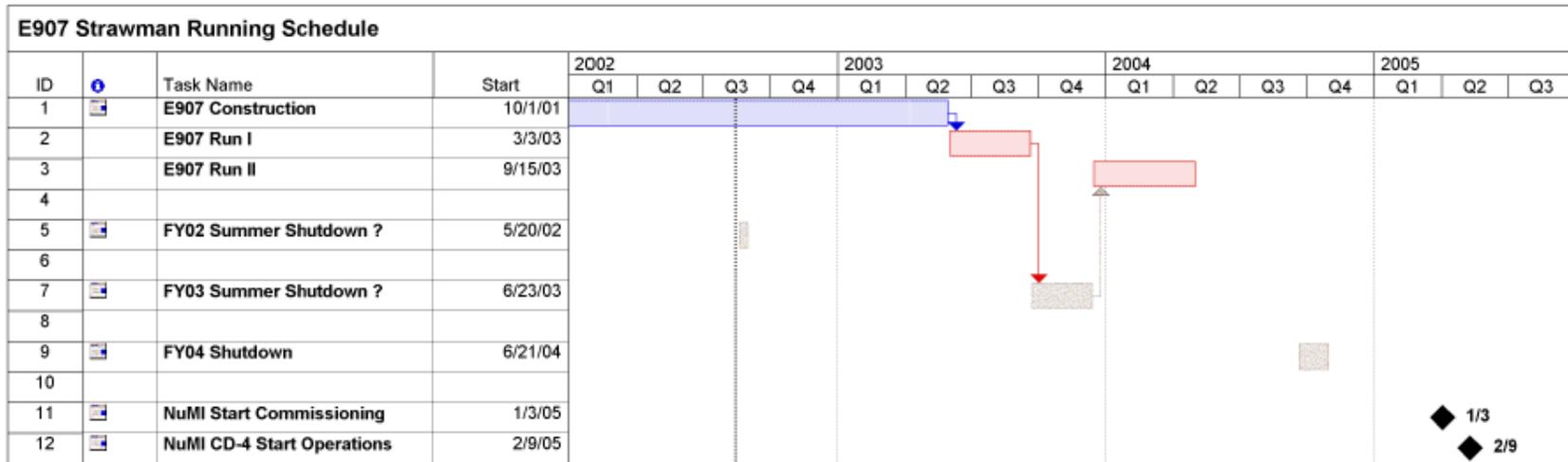


- **Gross Schedule**
- **Signs of Progress**
- **Funding: In Hand and Proposed**
- **Systems Contacts/Open Positions**
- **Installation Conference Call**
- **Status of February Short Term Issues**
- **New Short Term Issues (Was Feb. Long Term Issues)**

Gross Schedule



- **Hard End Date: NuMI Startup**
 - Start Commissioning 1/3/05
 - CD-4 Start Operations 2/9/05 (in February was 1/11/05)



- **Short Term Schedule in Leon's Talk (next)**

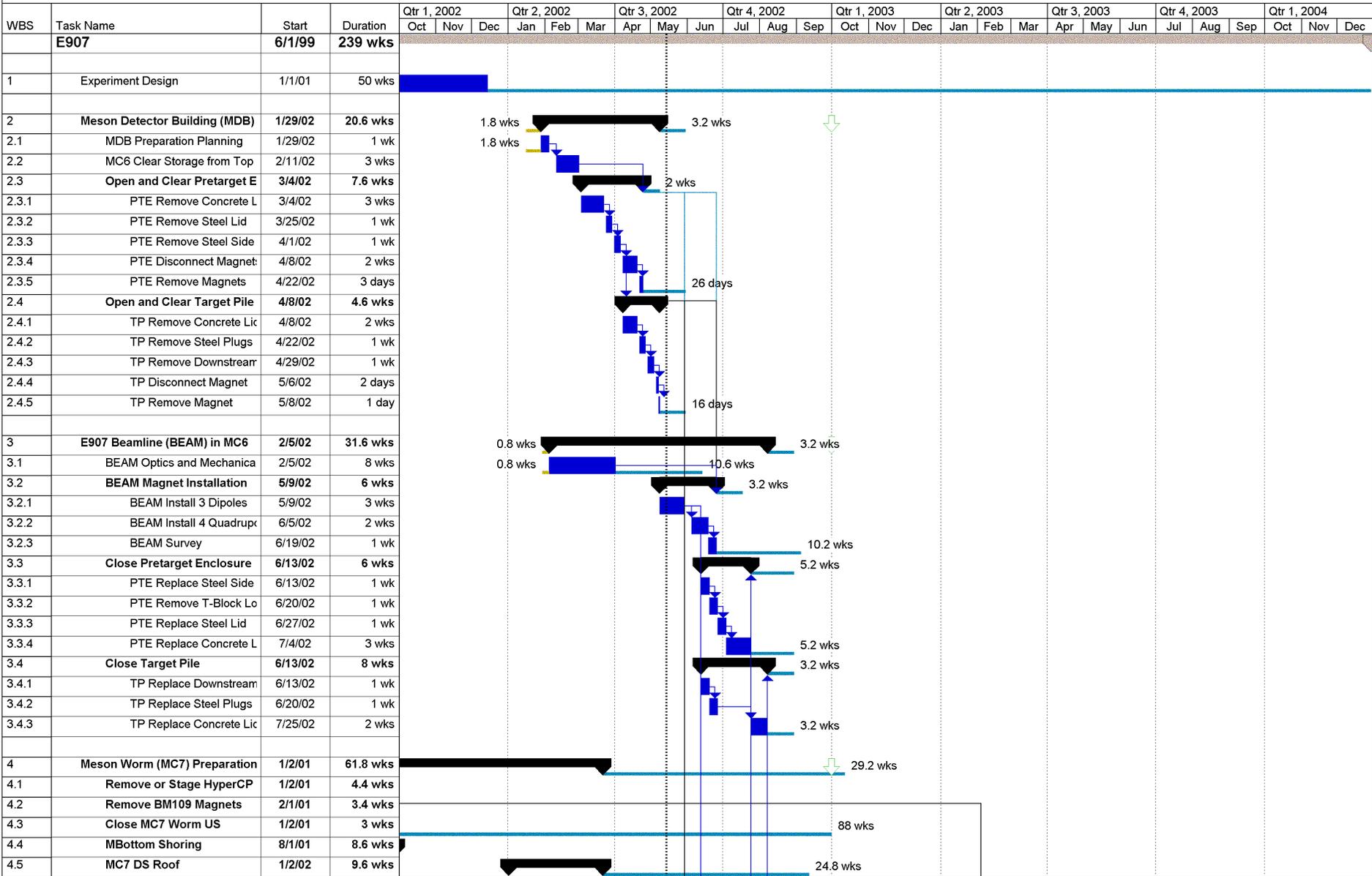
Signs of Progress



- **Procurements**
 - \$158K obligated, \$147K budgeted, of \$270K total in FY02
 - Includes two unbudgeted items:
 - \$7.8K for Rosie slab, magnet assembly materials
 - \$7.7K for RICH support stands, RICH/NCAL tracks
- **Completion bars appearing on Gantt chart**
 - MC6 Planning, Clear Stored Mat'l, Open Piles
 - MC7 Temporary Wall, Open Roof
 - Magnet Installation Mechanical Design
 - CKOV, Chamber 1, Chamber 2 Stand Designs
 - RICH/NCAL Tracks, RICH Stands, NCAL Stand

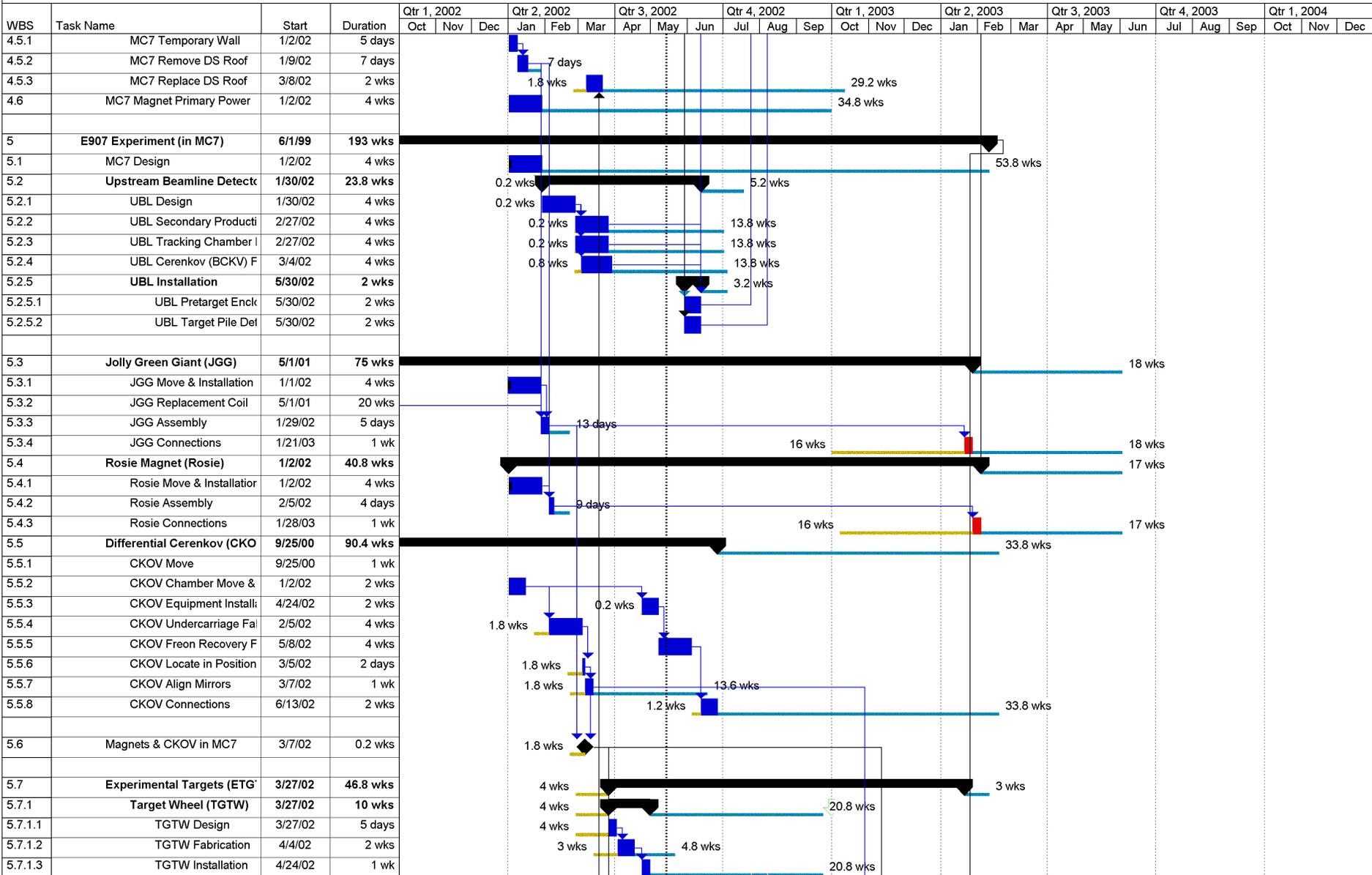
**Fermilab E907 MIPP
Schedule**

Version 1.11
2/13/02



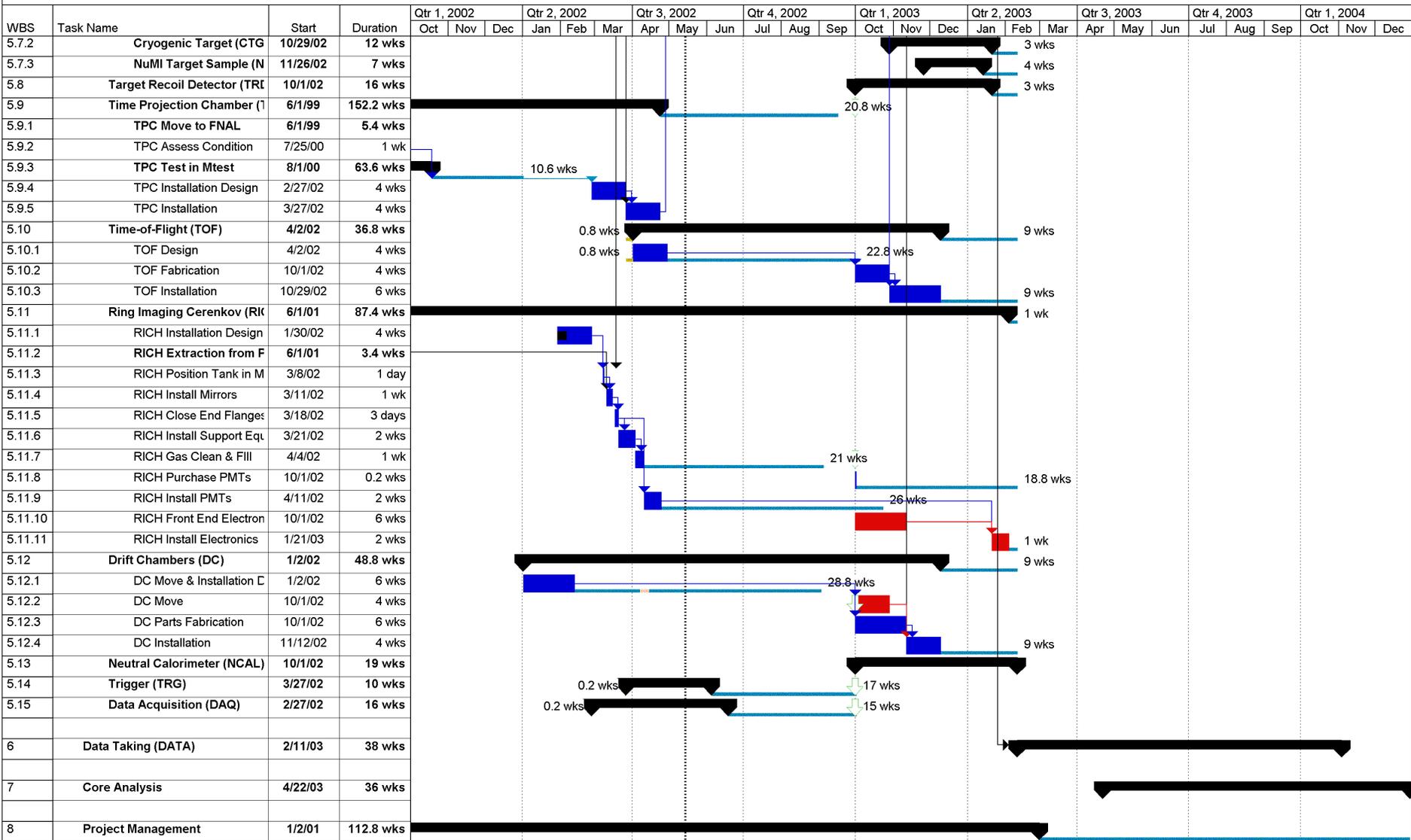
**Fermilab E907 MIPP
Schedule**

Version 1.11
2/13/02



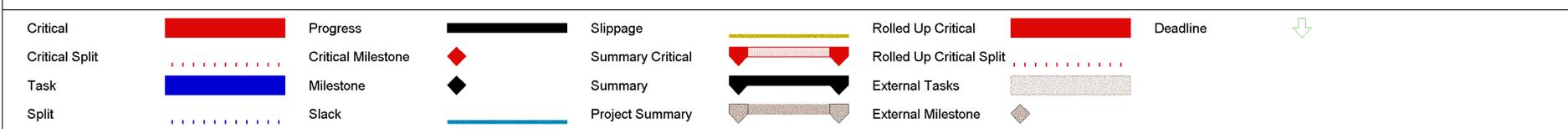
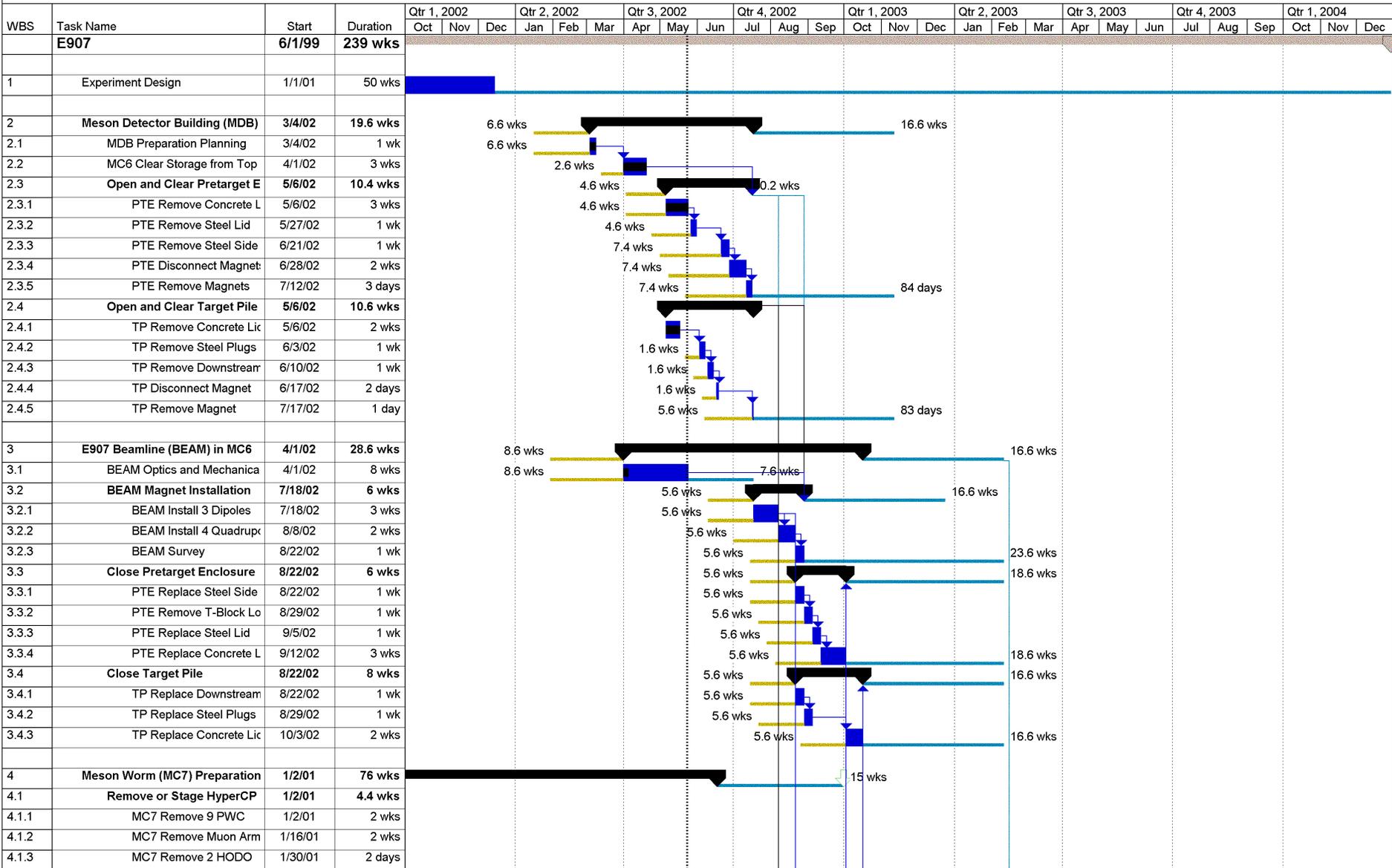
**Fermilab E907 MIPP
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Version 1.11
2/13/02

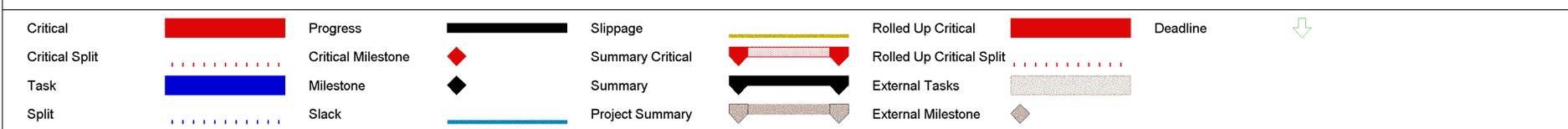
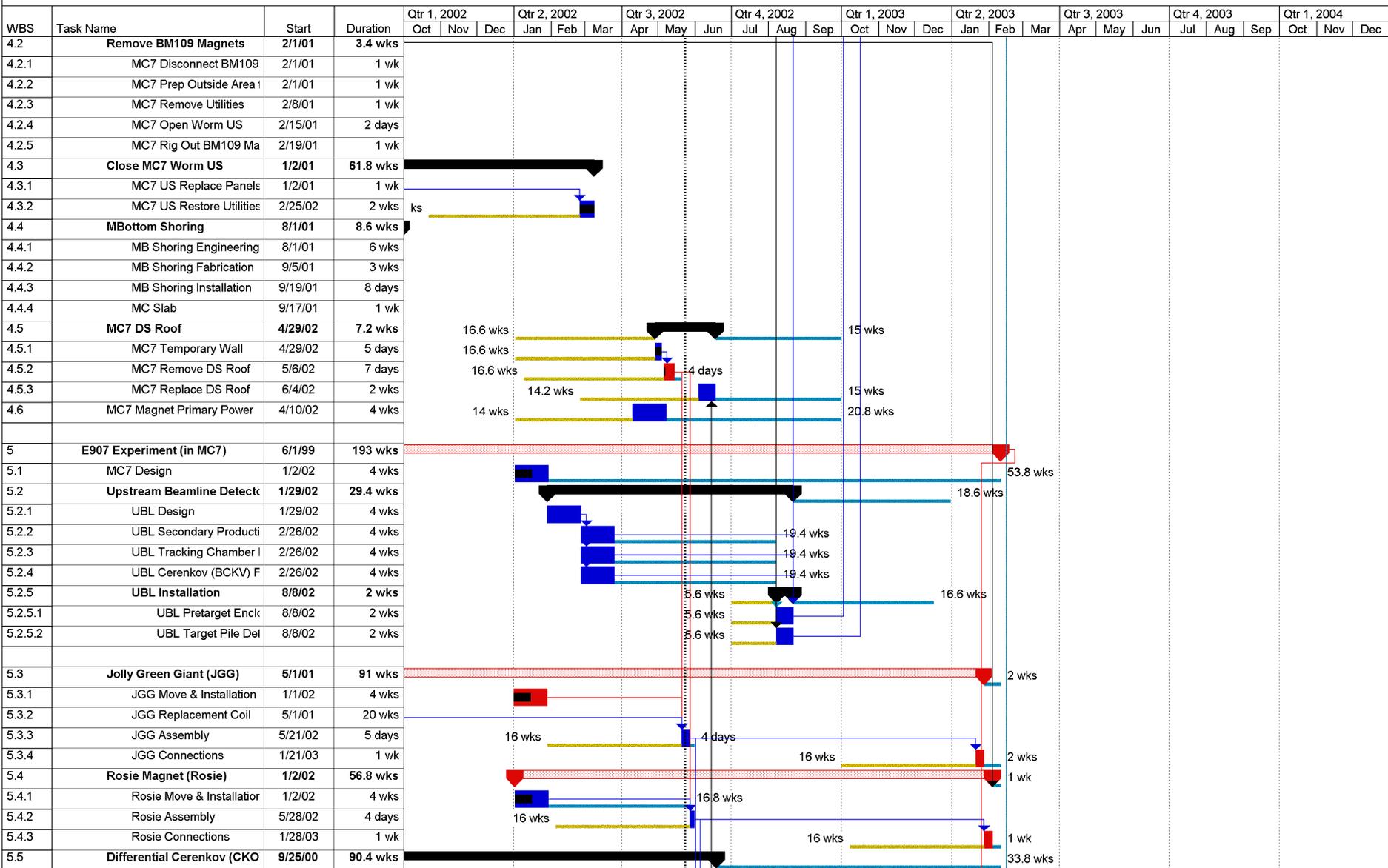


Fermilab E907 MIPP Schedule

Version 1.32
5/12/02

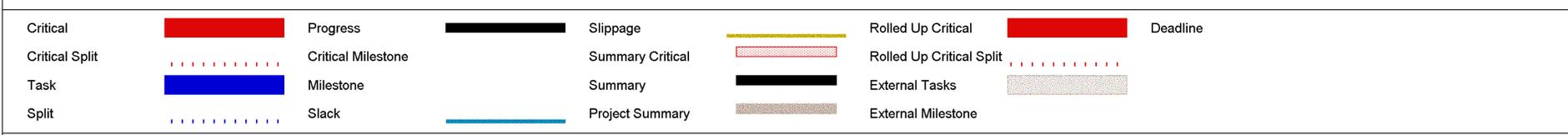
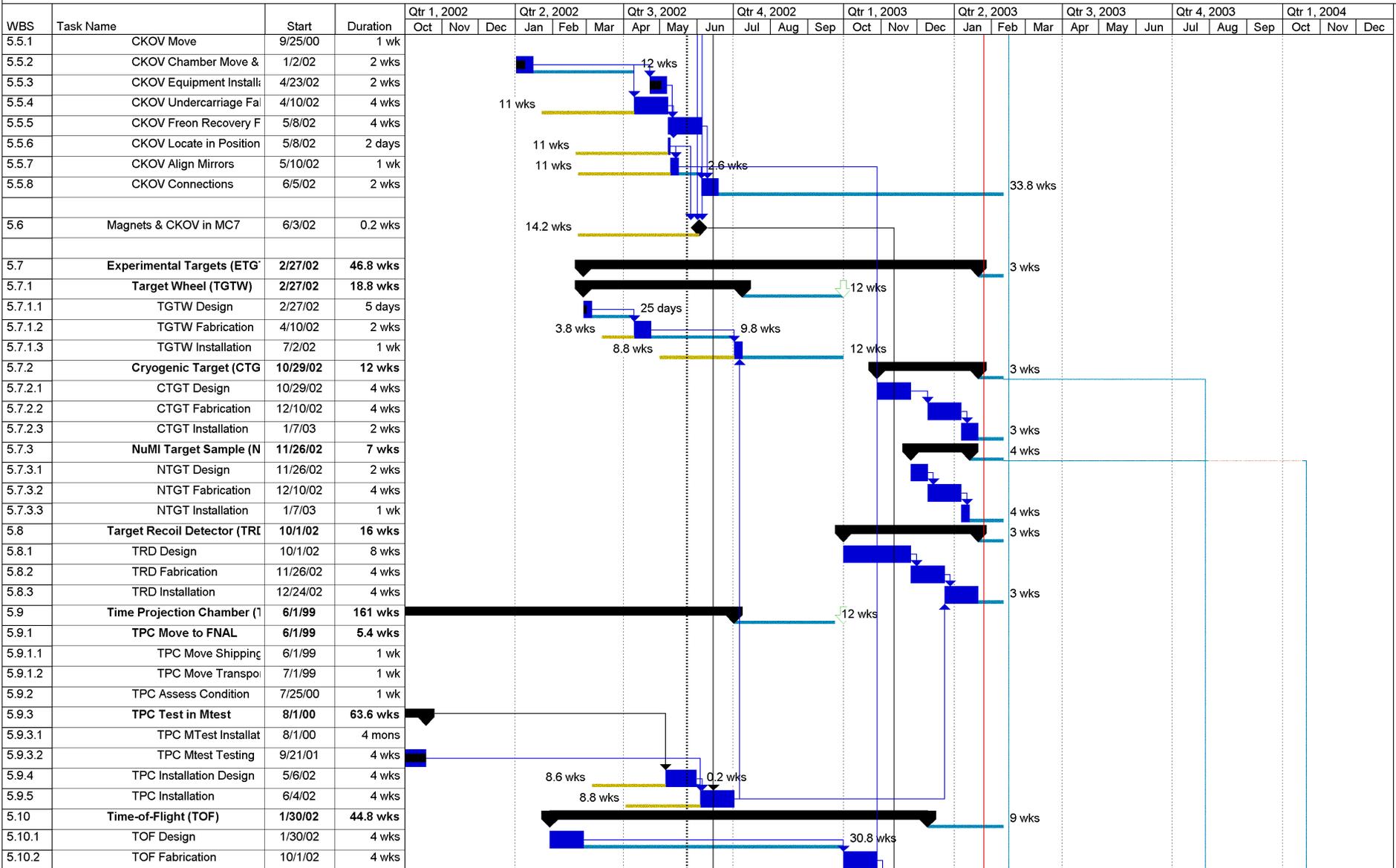


**Fermilab E907 MIPP
Schedule**



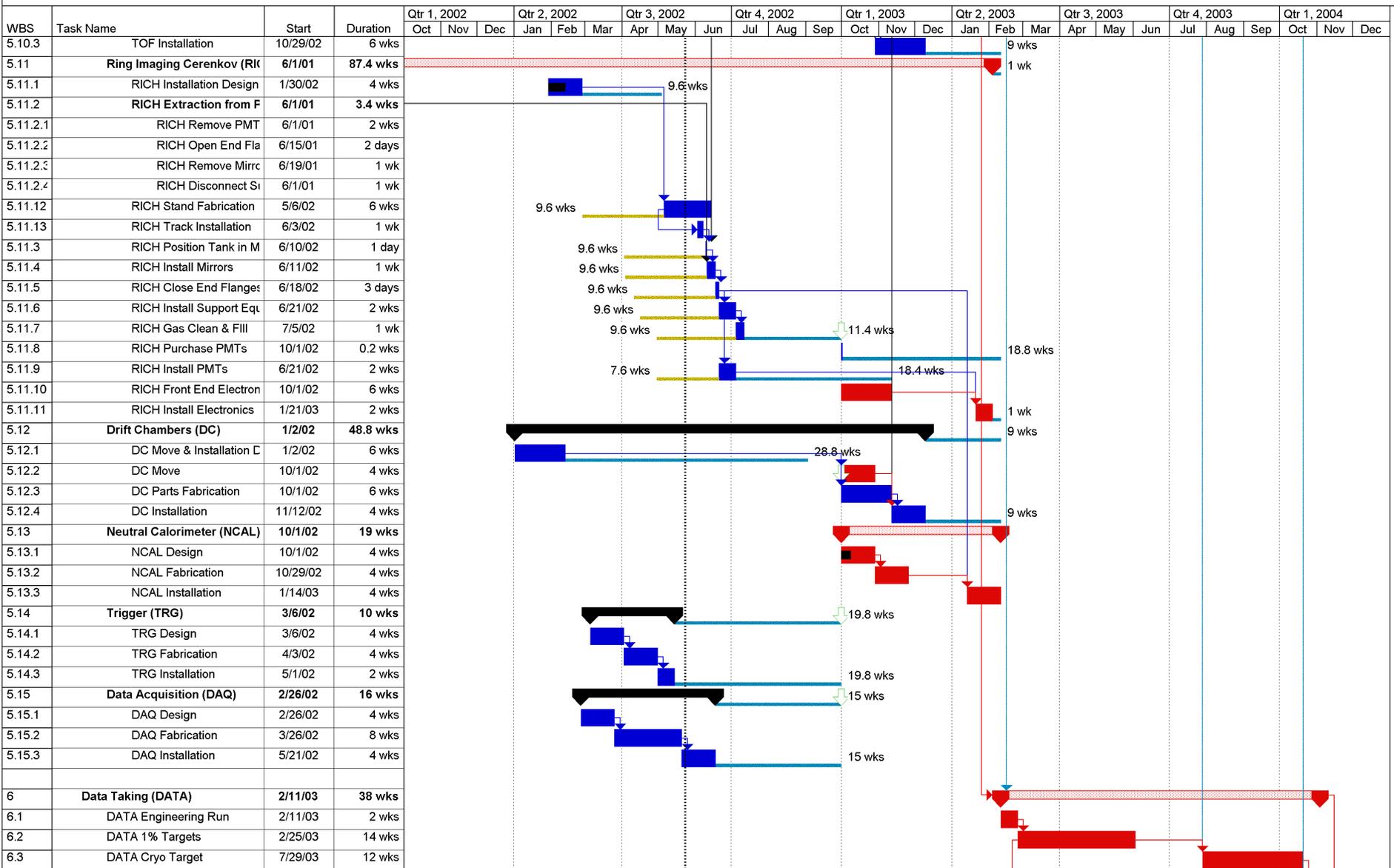
Fermilab E907 MIPP Schedule

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5/12/02



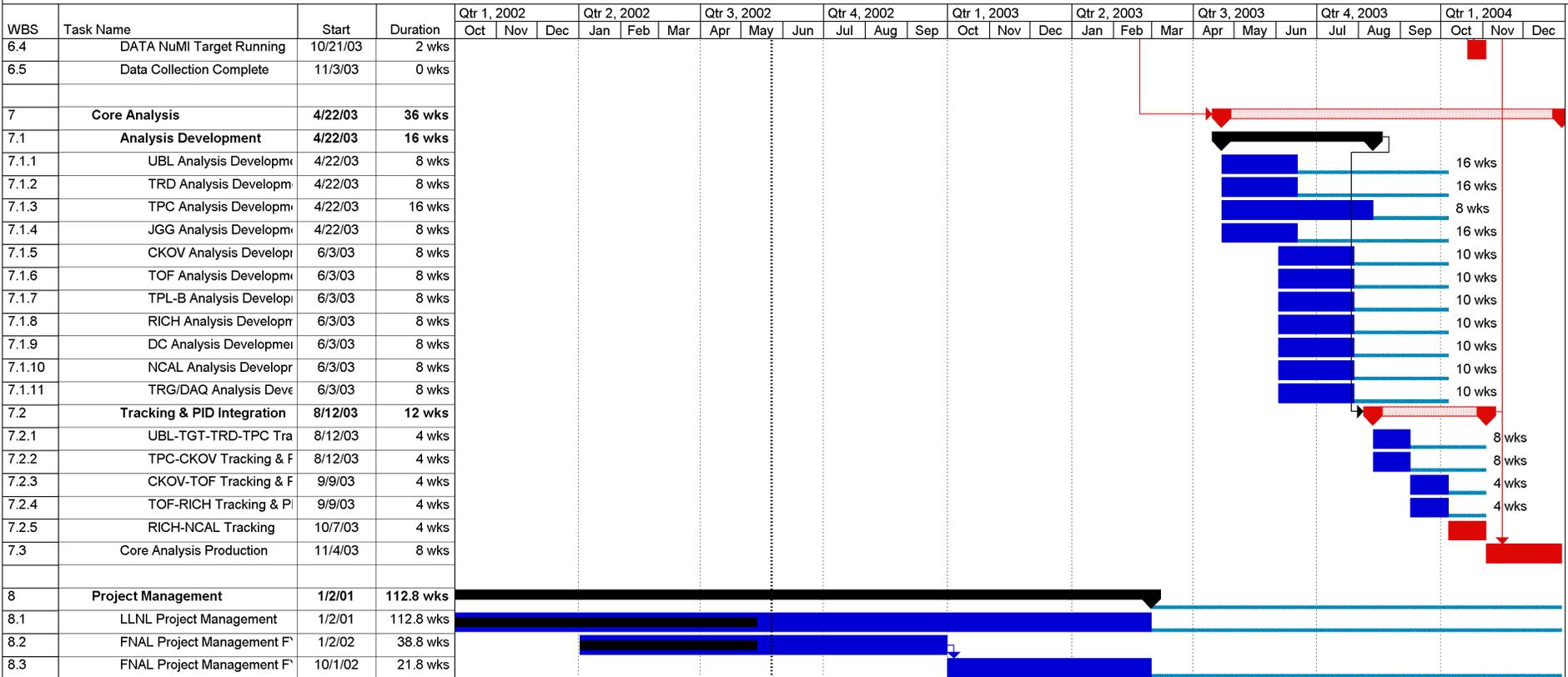
Fermilab E907 MIPP Schedule

Version 1.32
5/12/02



**Fermilab E907 MIPP
Schedule**

Version 1.32
5/12/02



Funding in Hand



- **Livermore ICO Established – Fermilab Budget Codes 4/10/02**
 - FY02 schedule float reduced from 9 weeks to 4 weeks!
- **Harvard Initiating RICH Electronics Work in FY02**
 - Design, prototypes
 - LLNL to buy the prototypes from Harvard in FY03
- **Purchases >\$200 Placed Directly By LLNL**
 - Except for procurements that bring contractors to Fermilab*
 - Reduces procurement overhead (increases LLNL FY02 funding)
- **Plan to Partially “Pre-Fund” FY03**
 - LLNL to fund “Management Reserve” at Fermilab
 - WFO Carries over to FY03 (LLNL internal funding does not)

Funding in the Works



- **Stockpile Stewardship Academic Alliances Proposals**
 - (Houston, Colorado, Michigan, S. Carolina)
 - Full proposals were due 1 April 2002
- **NSF**
 - EPSCORE (South Carolina)
 - (Houston) “Response end of March”
- **DOE NP**
 - (Colorado, Columbia)

Systems Contacts / Open Positions



- **Contact List on E907 Web**
 - email, phone #s
- **Vacancies Reduced from 7**
- **Biggest Weaknesses:**
 - **Drift Chambers**
 - **Beamline Detectors**

System	Contact
Upstream Beamline	Chuck Brown Tom Kobilarcik
Beamline Detectors	Mike Heffner
Target Wheel	Jerry Peterson
Cryogenic Targets	<vacant> (physics) Kilmer/Allspach/Schmidt (eng.)
MINOS Target	<vacant>
TPC	Ron Soltz Peter Barnes
Magnets	<vacant> (fields) Peter Barnes (installation)
Cerenkov	David Lange
Chambers	Ed Hartouni Adam Bujak
TOF	Sanjib Mishra
RICH	Mark Messier Earl Swallow
NCAL	Mike Longo
DAQ	Ron Soltz
Monte Carlo	Rajendran Raja
Installation	Peter Barnes Leon Beverly
Mechanical Engineering	Jim Kilmer
Electrical Engineering	Ray Yarema (Grp. Ldr.) Rick Hance (Rack Prot.)
Gas Systems	Terry Tope Del Allspach

Standing Conference Call



- **Installation Meeting Thursdays 3:00 PM CST - 1.5 hours**
 - Progress reports circulated by email/web on Wed. or Thu. AM
 - Current/upcoming issues
 - Focus on identifying solution/decision path
 - *Experts - please call in or arrange a substitute*
- **To Access The Call:**
 - Dial: 775-785-1944
 - Access Code: 536495

Short Term Issues From February



- **Finalize Geometry**
 - All (Known) Interferences Resolved
 - *Need Performance Validation:*
 - *Acceptance*
 - *Momentum Resolution*
 - *Particle ID Coverage (Especially TOF)*
 - *Need Fringe Field Limit at RICH PMTs*
- **Finalize Support Stands & Rails Conceptual Designs**
- **Detailed Estimates (Time, \$) For Stand Design & Fab**
- **Make Installation Sequence Decision**
- **Done**
 - **Results Today**
- **Done—CKOV, DC 1 & 2, RICH, NCAL**
Not Done—DC 3–6, TOF
- **Partially Complete**
- **Decided:**
 - Proceed with magnets
 - RICH tracks not too far behind

New Short Term Issues (Was Feb. Long Term)



- **Gas Systems**
 - No progress since February
 - Need system diagrams
- **Electronics**
 - Engineering issues: rack space, power, cooling, protection
 - PREP issues: equipment testing
 - Readout and control
 - Need system diagrams, channel counts
- **Fiducialization of Detectors**
 - Don't be shy; alignment group is free!
- **E907–Fermilab MOU**