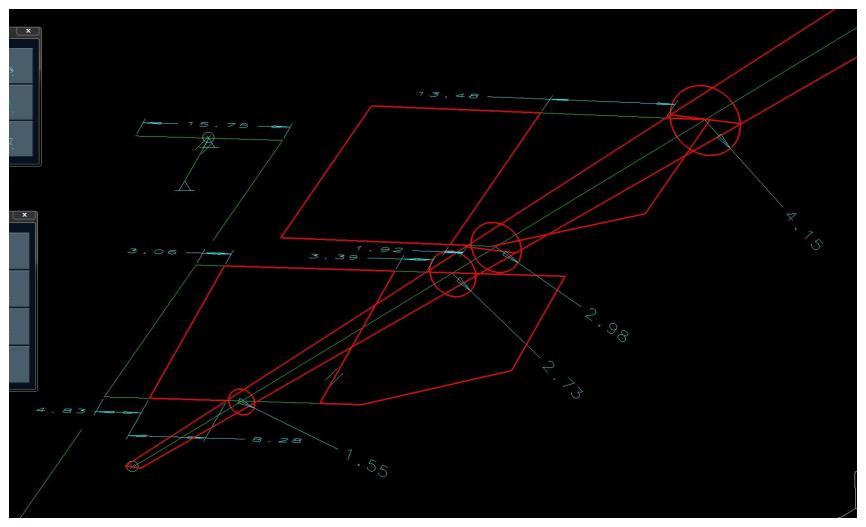
# SBS Design Status R. Wines

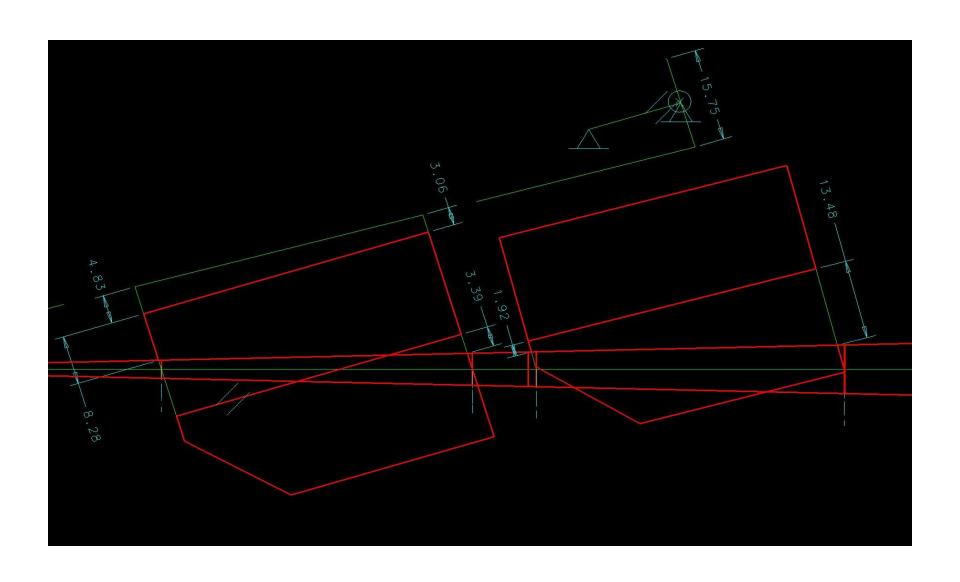
- Tosca magnet analysis with Bogdan
- Beampipe aperture determined
- Magnet iron cutouts for beamline clearance determined
- Starting drawings for new coil design
- •Magnet iron cutouts modeled, after confirmed by Tosca analysis, drawings will be started.
- •Continuing details of magnet support structure as counterweight.

#### Beamline Diameter

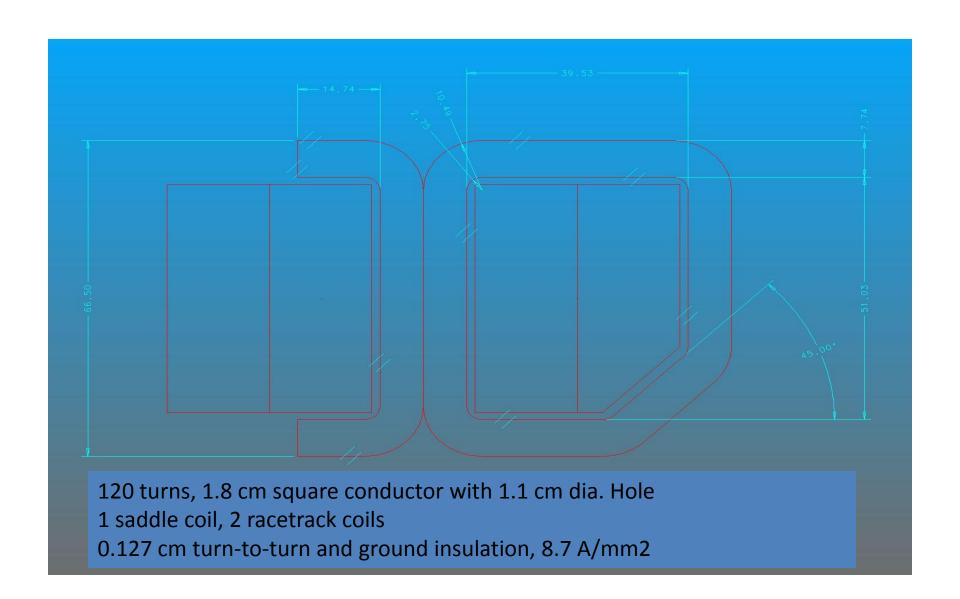
Distance 1.6m, 15.6 degrees Distance 3.1 m, 14.9 degrees



## Beamline cutout

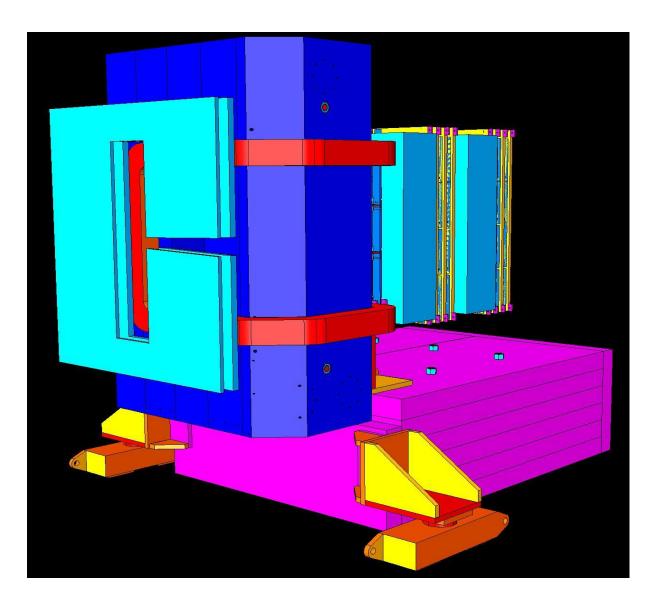


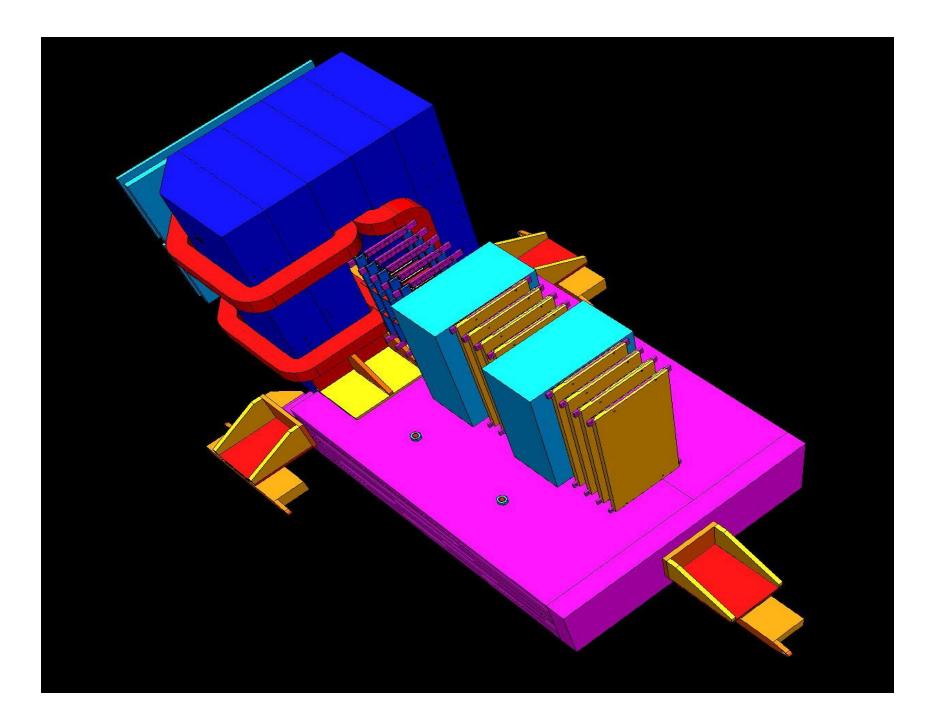
#### **New Coils**



### Magnet Support

- Added gusset downstream to support magnet on base
- Using 3 rollers for ease of movement
- Lowered base by extending rollers to sides
- Meeting with Hall C for use of HKS rollers
- •? Getting steel for base from BNL





			Calendar time to		Milestone														
SBS Design/Engineering	design	eng	procure	procure	Complete	Status	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	lun	Jul	Aug	Sen	Oct
	mw	mw	W	\$	Complete	Status	1234			1234		_	1234						
	31	22	196	764251															
Magnet support and motion	8	4	24	102200	28-Apr-14	40%													
Analysis of magnet mods		4			17-Dec-12	50%													
Magnet assembly plan	4	2			19-Jan-15														
Magnet yoke modifications	2	2	24	36792	30-Sep-13	10%													
New coils	3	1	40	153300	2-Jan-14	20%													
Manustananihli	1																		
Magnet assembly	2																		
Magnet hardware-buss, coil support, cooling lines	1	1																	
Power supply		2		137970															
Field Clamps		1	24																
upstream	0.5			20372	20 7145 13														
downstream	0.5																		
BigBite	0.5																		
Shielded beampipe &vacuum snout	2	1	32	15330	1-Apr-14	5%													
Solenoid coils	0.5	1	24	2453	2-Jan-14														
Field clamp supports	3	1			26-Aug-13														
SBS detector supports	3	1	28	51100	31-Jul-13	15%													
											+								
Magnet pole inserts	1	1																	
" "				220524							+								
all other				238534							_								
					<u> </u>						1								