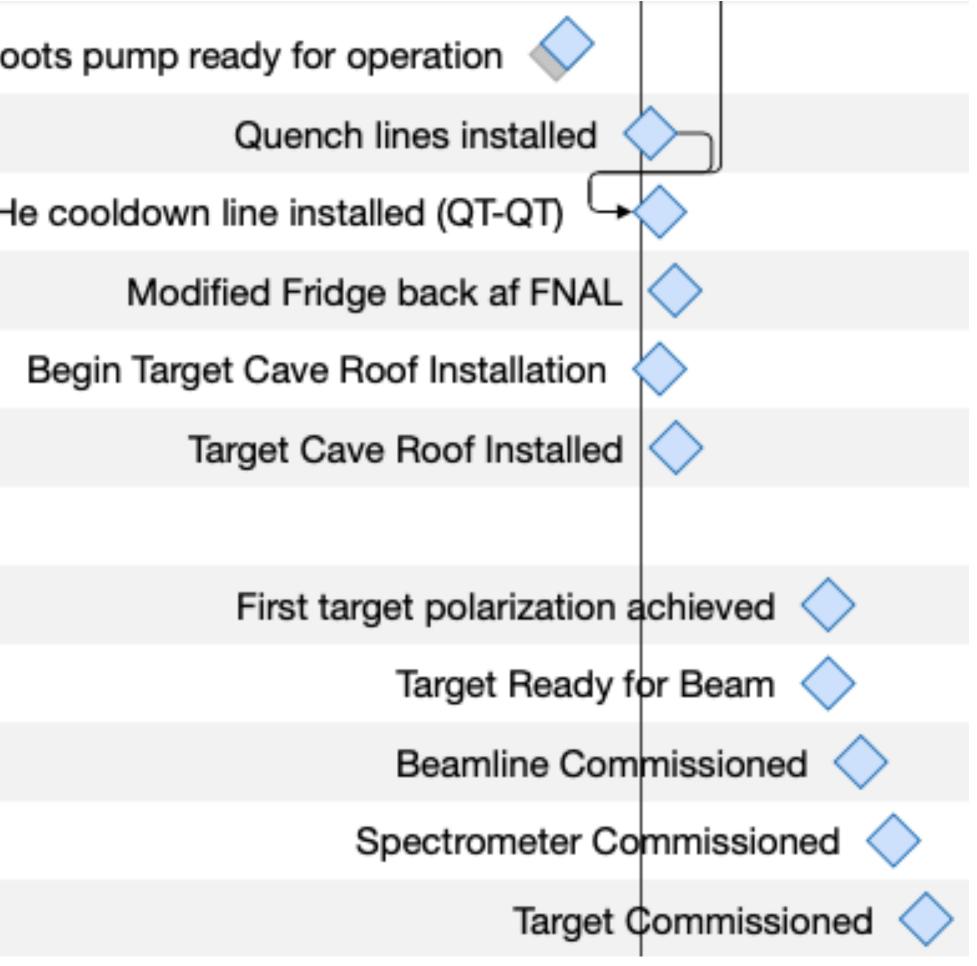
## **Target Schedule SpinQuest Collaboration**

**D. Keller** 

## **Final Milestones** Assume no financial delays

Nov 25, 2020
Jan 5, 2021
Jan 8, 2021
Jan 15, 2021
Jan 8, 2021
Jan 15, 2021
Nov 21, 2019
Mar 22, 2021
Mar 22, 2021
April 5, 2021
Apr 19, 2021
May 3, 2021



Traits	Title	WK 8	WK 8, February 14 WK 9, February 21										WK 10, February 28								WK 11, March 7									WK 12, March 14							
		15 16	5 17	18	3 19	20	21	22	23	24	25	26	27	28	1	2	3	4	5	6	7	8	9	1	0 11	12	13	3 1	4	15	16	17	18	19 2	0 2	21 2	22 2
-	commissioning	~																																			
	Compressors arrive at FNAL	~																																			
	Cryofab Dewars (250l) arrive at FNAL (NM4)	~																																			
0	First 2 sections LHe transfer line ships from QT	~																																			
0	LHe transfer line "octopus" arrives at FNAL	~																																			
0	QT Begins He plant commissioning	~																																			
0	QT signs off on LHe plant operation	~																																			
0	Target Cryostat Installation	~																																			
0	Complete API-510 Inspection	~																																			
0	Decision to install target cryostat	~																																			
0	Target magnet cryostat installed	~																																			
0	Roots pump ready for operation	~																																			
0	Target Cave Schedule	~																																			
	Critical Target Electronics					Ishara	Ferna	ndo; \	Waqar	Ahme	ed; Kur	n Liu; 2	Zulkai	da Ak.																							
0	Pre-Beam Target Commissioning																					_					_							_			Zulkaid
0	Begin Target Cave Roof Installation	~																																			
0	Target Cave Roof Installed	~																																			
0	Target Cave Ready for Beam	~																																			
0	First target polarization achieved																													I	First ta	arget p	oolariz	ation a	hieve	ed 🔷	•
0	Target Ready for Beam																															Та	rget R	eady fo	r Bea	m 🔷	+
0	Beamline pre-beam turnon	~																																			
0	Beam Commissioning																																Beam	Comm	issior	ning [	
0																																					



## **Pre-beam Commissioning** Major cryogenic commissioning

- Sealed QT Commissioning: 4 weeks
- Polarized Target Commissioning: 2 weeks
- Beam-target Commissioning: 3 weeks (no target construction)

## Expected Approach SpinQuest Ramp up

- Push towards full target assembly as soon as we can
- Cave will be closed up no later than 1st week of May
- FNAL AD needs 2 weeks dedicated to beam tuning with no access
- We can then initiate non-target beam commissioning before 2021 SS
- Complete target/cryo-connections and safety review over SS
- Target-beam commissioning after SS
- Production data taking 2 months after SS