

# Quantum Technologies for Neutrino Mass

Project Start:   
 Display Week:

TASK	Name	START	END	May-Oct 2020					Nov2020 - Apr2021					May - Oct 2021					Nov2021 - Apr2022					May-Oct 2022					Nov2022 - Apr 2023						
				M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>WP1 Simulations and Analysos</b>																																			
Task 1	Atomic Beamline Simulations	5/1/20	3/3/22	[Gantt bars for Task 1]																															
Task 2	CRES Module	5/1/20	2/7/22	[Gantt bars for Task 2]																															
Task 3	Trap Simulations	11/2/20	8/9/22	[Gantt bars for Task 3]																															
Task 4	CRES Analysis and Sensitivity	6/8/21	2/13/23	[Gantt bars for Task 4]																															
<b>WP2. Atomic Beam Source and Magnetic Trapping</b>																																			
Task 1	D-Beam construction and characteris.	5/4/20	2/3/21	[Gantt bars for Task 1]																															
Task 2	Zeeman constr. And characters.	2/2/21	1/5/22	[Gantt bars for Task 2]																															
Task 3	Magnetic Trap	5/11/20	4/7/23	[Gantt bars for Task 3]																															
<b>WP3. 3D B-map</b>																																			
Task 1	D- and MW Spectroscopy	11/2/20	11/3/21	[Gantt bars for Task 1]																															
Task 2	D-motion control	11/1/21	5/3/22	[Gantt bars for Task 2]																															
Task 3	1D and 3D mapping	5/2/22	4/4/23	[Gantt bars for Task 3]																															
<b>WP4. CRES Detection</b>																																			
Task 1	Baseline Detector	5/1/20	11/1/21	[Gantt bars for Task 1]																															
Task 2	SLUG pre-Amp	5/3/21	9/6/22	[Gantt bars for Task 2]																															
Task 3	JTWPA pre-Amp	5/3/21	9/6/22	[Gantt bars for Task 3]																															
Task 4	Down-sel., Integr, Run	4/25/22	4/13/23	[Gantt bars for Task 4]																															
Task 5		date	date																																
<b>WP5. Geonium Detector</b>																																			
Task 1	Geonium chip in B-field	5/20/20	5/24/21	[Gantt bars for Task 1]																															
Task 2	Integration with trap and calib.	4/26/21	2/18/22	[Gantt bars for Task 2]																															
Task 3	CRES Run with Geonium	5/3/21	9/6/22	[Gantt bars for Task 3]																															
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