

MEMORANDUM

Date: February 25, 2019
To: Distribution
From: Rolf Ent and Arne Freyberger for the Nuclear Physics Experiment
Scheduling Committee
Subject: Update to Accelerator Schedule through May 2020

Schedule

As previously indicated by the January 25, 2019 message of the Nuclear Physics Experiment Scheduling Committee, it was determined necessary to delay the start of the Winter/Spring 2019 run cycle by about a week to helium process two cryomodules located in the North Linac. The objective was to recover enough accelerating gradient in these two modules to be able to meet the experimental program requirements.

Compared to the previous published experiment schedule of Nov 8, 2018, the intent was to delay the start of physics from Wednesday January 30 to Wednesday February 6, 2019 while keeping the length of the Winter/Spring run cycle constant - i.e. operations would cease Monday April 15 instead of Monday April 8, 2019. Scheduled maintenance tasks across the complex, require to keep the length of the period between April 15 and the start of the summer run also constant. So, the summer run start of physics got moved from Monday June 10 to Monday June 17, 2019. The length of the summer run would stay constant so, the end of the summer run period gets moved from Monday August 12 to Monday August 19, 2019. These dates reflect a one week shift of the program. The Fall 2019 start of physics remains November 1, 2019.

Helium processing of the modules and restoring the accelerator took a couple extra days – start of physics took place officially Friday Feb 8 @ 7:00 AM instead of Feb 6, envisioned. The remaining dates stay as described earlier – i.e. the Winter/Spring physics run is reduced by two days. The attached schedule reflects these changes.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
109	04/17/19	wednesday		INSTALL										
110	04/18/19	Thursday		INSTALL										
111	04/19/19	Friday		INSTALL										
112	04/20/19	Saturday		INSTALL										
113	04/21/19	Sunday		INSTALL										
114	04/22/19	Monday		INSTALL										
115	04/23/19	Tuesday		INSTALL										
116	04/24/19	wednesday		INSTALL										
117	04/25/19	Thursday		INSTALL										
118	04/26/19	Friday		INSTALL										
119	04/27/19	Saturday		INSTALL										
120	04/28/19	Sunday		INSTALL										
121	04/29/19	Monday		INSTALL										
122	04/30/19	Tuesday		INSTALL										
123	05/01/19	wednesday		INSTALL										
124	05/02/19	Thursday		INSTALL										
125	05/03/19	Friday		INSTALL										
126	05/04/19	Saturday		INSTALL										
127	05/05/19	Sunday		INSTALL										
128	05/06/19	Monday		INSTALL										
129	05/07/19	Tuesday		INSTALL										
130	05/08/19	wednesday		INSTALL										
131	05/09/19	Thursday		INSTALL										
132	05/10/19	Friday		INSTALL										
133	05/11/19	Saturday		INSTALL										
134	05/12/19	Sunday		INSTALL										
135	05/13/19	Monday		INSTALL										
136	05/14/19	Tuesday		INSTALL										
137	05/15/19	wednesday		INSTALL										
138	05/16/19	Thursday		INSTALL										
139	05/17/19	Friday		INSTALL										
140	05/18/19	Saturday		INSTALL										
141	05/19/19	Sunday		INSTALL										
142	05/20/19	Monday		INSTALL										
143	05/21/19	Tuesday		INSTALL										
144	05/22/19	wednesday		INSTALL										
145	05/23/19	Thursday		INSTALL										
146	05/24/19	Friday		INSTALL										
147	05/25/19	Saturday		INSTALL										
148	05/26/19	Sunday		INSTALL										
149	05/27/19	Monday		INSTALL										
150	05/28/19	Tuesday		INSTALL										
151	05/29/19	wednesday		INSTALL										
152	05/30/19	Thursday		INSTALL										
153	05/31/19	Friday		INSTALL										
154	06/01/19	Saturday		INSTALL										
155	06/02/19	Sunday		INSTALL										
156	06/03/19	Monday		INSTALL										
157	06/04/19	Tuesday		INSTALL (11 WEEKS)										
158	06/05/19	wednesday												
159	06/06/19	Thursday												
160	06/07/19	Friday												
161	06/08/19	Saturday												
162	06/09/19	Sunday												
163	06/10/19	Monday	0.9	Restore										
164	06/11/19	Tuesday	0.9	Restore										
165	06/12/19	wednesday	0.9	Restore										
166	06/13/19	Thursday	0.9	Restore										
167	06/14/19	Friday	0.9	Restore										
168	06/15/19	Saturday	0.9	Restore										
169	06/16/19	Sunday	0.9	Restore										
170	06/17/19	Monday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006		4.55/100/-/500		B/A		1/5/-/-
171	06/18/19	Tuesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006		4.55/100/-/500		B/A		1/5/-/-
172	06/19/19	wednesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006		4.55/100/-/500		A/B		1/5/-/-
173	06/20/19	Thursday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006		4.55/100/-/500		A/B		1/5/-/-
174	06/21/19	Friday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006		4.55/100/-/500		A/B		1/5/-/-
175	06/22/19	Saturday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006		4.55/100/-/500		B/A		1/5/-/-
176	06/23/19	Sunday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006		4.55/100/-/500		B/A		1/5/-/-
177	06/24/19	Monday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-06-101/-07-105	2.75/90/-/500		C/A/B		1/5/3/-
178	06/25/19	Tuesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-07-105/-06-101	2.75/90/-/500		C/A/B		1/5/3/-
179	06/26/19	wednesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	Pass change	3.65/90/-/500		C/A/B		1/5/4/-
180	06/27/19	Thursday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-06-101/-07-105	3.65/90/-/500		A/B/C		1/5/4/-
181	06/28/19	Friday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-07-105/-06-101	3.65/90/-/500		A/B/C		1/5/4/-
182	06/29/19	Saturday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	Pass change	4.55/90/-/500		C/B/A		1/5/5/-
183	06/30/19	Sunday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-06-101/-07-105	4.55/90/-/500		C/B/A		1/5/5/-
184	07/01/19	Monday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-07-105/-06-101	4.55/90/-/500		B/A/C		1/5/5/-
185	07/02/19	Tuesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		B/A/C		1/5/5/-
186	07/03/19	wednesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		B/A/C		1/5/5/-
187	07/04/19	Thursday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		B/A/C		1/5/5/-
188	07/05/19	Friday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		A/C/B		1/5/5/-
189	07/06/19	Saturday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		A/C/B		1/5/5/-
190	07/07/19	Sunday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		A/C/B		1/5/5/-
191	07/08/19	Monday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		A/C/B		1/5/5/-
192	07/09/19	Tuesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		C/B/A		1/5/5/-
193	07/10/19	wednesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		C/B/A		1/5/5/-
194	07/11/19	Thursday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		C/B/A		1/5/5/-
195	07/12/19	Friday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		C/B/A		1/5/5/-
196	07/13/19	Saturday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		B/A/C		1/5/5/-
197	07/14/19	Sunday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	E12-15-001	4.55/50/-/500		B/A/C		1/5/5/-
198	07/15/19	Monday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
199	07/16/19	Tuesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
200	07/17/19	wednesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			A/B		1/5/-/-
201	07/18/19	Thursday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			A/B		1/5/-/-
202	07/19/19	Friday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			A/B		1/5/-/-
203	07/20/19	Saturday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			A/B		1/5/-/-
204	07/21/19	Sunday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
205	07/22/19	Monday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
206	07/23/19	Tuesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
207	07/24/19	wednesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
208	07/25/19	Thursday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			A/B		1/5/-/-
209	07/26/19	Friday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			A/B		1/5/-/-
210	07/27/19	Saturday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			A/B		1/5/-/-
211	07/28/19	Sunday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			A/B		1/5/-/-
212	07/29/19	Monday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
213	07/30/19	Tuesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
214	07/31/19	wednesday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
215	08/01/19	Thursday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			B/A		1/5/-/-
216	08/02/19	Friday	0.9	Physics	E12-11-101	0.95/70/p/500		E12-11-006	INSTALL			A/B		1/5/-/-

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
325	11/19/19	Tuesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
326	11/20/19	Wednesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
327	11/21/19	Thursday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
328	11/22/19	Friday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
329	11/23/19	Saturday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
330	11/24/19	Sunday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
331	11/25/19	Monday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
332	11/26/19	Tuesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
333	11/27/19	Wednesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
334	11/28/19	Thursday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
335	11/29/19	Friday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	D/C/B/A	1/5/5/5.5	
336	11/30/19	Saturday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	D/C/B/A	1/5/5/5.5	
337	12/01/19	Sunday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	D/C/B/A	1/5/5/5.5	
338	12/02/19	Monday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	D/C/B/A	1/5/5/5.5	
339	12/03/19	Tuesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	D/C/B/A	1/5/5/5.5	
340	12/04/19	Wednesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	A/D/C/B	1/5/5/5.5	
341	12/05/19	Thursday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	A/D/C/B	1/5/5/5.5	
342	12/06/19	Friday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	A/D/C/B	1/5/5/5.5	
343	12/07/19	Saturday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	A/D/C/B	1/5/5/5.5	
344	12/08/19	Sunday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	A/D/C/B	1/5/5/5.5	
345	12/09/19	Monday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
346	12/10/19	Tuesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
347	12/11/19	Wednesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
348	12/12/19	Thursday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
349	12/13/19	Friday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
350	12/14/19	Saturday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
351	12/15/19	Sunday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
352	12/16/19	Monday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
353	12/17/19	Tuesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
354	12/18/19	Wednesday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/B/A/D	1/5/5/5.5	
355	12/19/19	Thursday	2.1	Physics	E12-12-004	2.22/150/p/500	Run Group B	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	D/C/B/A	1/5/5/5.5	
356	12/20/19	Friday													
357	12/21/19	Saturday													
358	12/22/19	Sunday													
359	12/23/19	Monday													
360	12/24/19	Tuesday													
361	12/25/19	Wednesday													
362	12/26/19	Thursday													
363	12/27/19	Friday													
364	12/28/19	Saturday													
365	12/29/19	Sunday													
366	12/30/19	Monday													
367	12/31/19	Tuesday													
368	01/01/20	Wednesday													
369	01/02/20	Thursday													
370	01/03/20	Friday													
371	01/04/20	Saturday													
372	01/05/20	Sunday													
373	01/06/20	Monday													
374	01/07/20	Tuesday													
375	01/08/20	Wednesday													
376	01/09/20	Thursday													
377	01/10/20	Friday													
378	01/11/20	Saturday													
379	01/12/20	Sunday													
380	01/13/20	Monday													
381	01/14/20	Tuesday													
382	01/15/20	Wednesday													
383	01/16/20	Thursday													
384	01/17/20	Friday													
385	01/18/20	Saturday													
386	01/19/20	Sunday													
387	01/20/20	Monday													
388	01/21/20	Tuesday													
389	01/22/20	Wednesday													
390	01/23/20	Thursday													
391	01/24/20	Friday													
392	01/25/20	Saturday													
393	01/26/20	Sunday													
394	01/27/20	Monday													
395	01/28/20	Tuesday													
396	01/29/20	Wednesday													
397	01/30/20	Thursday													
398	01/31/20	Friday													
399	02/01/20	Saturday													
400	02/02/20	Sunday													
401	02/03/20	Monday													
402	02/04/20	Tuesday													
403	02/05/20	Wednesday	2.1	Restore											
404	02/06/20	Thursday	2.1	Restore											
405	02/07/20	Friday	2.1	Restore											
406	02/08/20	Saturday	2.1	Restore											
407	02/09/20	Sunday	2.1	Restore											
408	02/10/20	Monday	2.1	Restore											
409	02/11/20	Tuesday	2.1	Restore											
410	02/12/20	Wednesday	2.1	Physics			E12-06-113	2.2/200/-/500	E12-06-110	10.6/30/p/250	E12-12-002	11.7/200/-/250	D/C/B/A	-/1/5/5.5	
411	02/13/20	Thursday	2.1	Physics			E12-06-113	2.2/200/-/500	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	D/C/B/A	-/1/5/5.6	
412	02/14/20	Friday	2.1	Physics	Pass change	2.22/150/p/500	Pass change	10.6/200/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	A/D/C/B	1/5/5/5.5	
413	02/15/20	Saturday	2.1	Physics	E12-12-004	2.22/150/p/500	E12-06-113	10.6/200/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	A/D/C/B	1/5/5/5.5	
414	02/16/20	Sunday	2.1	Physics	E12-12-004	2.22/150/p/500	E12-06-113	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
415	02/17/20	Monday	2.1	Physics	E12-12-004	2.22/150/p/500	E12-06-113	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	B/A/D/C	1/5/5/5.5	
416	02/18/20	Tuesday	2.1	Physics	E12-12-004	2.22/150/p/500	E12-06-113	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/D/A/B	1/5/5/5.5	
417	02/19/20	Wednesday	2.1	Physics	E12-12-004	2.22/150/p/500	E12-06-113	10.6/100/p/250	E12-06-110	10.6/30/p/250	E12-12-002	11.7/900/-/250	C/D/A/B	1/5/5/5.5	
418	02/20/20	Thursday	2.1	Physics	E12-12-004	2.22/150/p/500	E12-06								

