### **System Experts and Teams on-site at CERN**

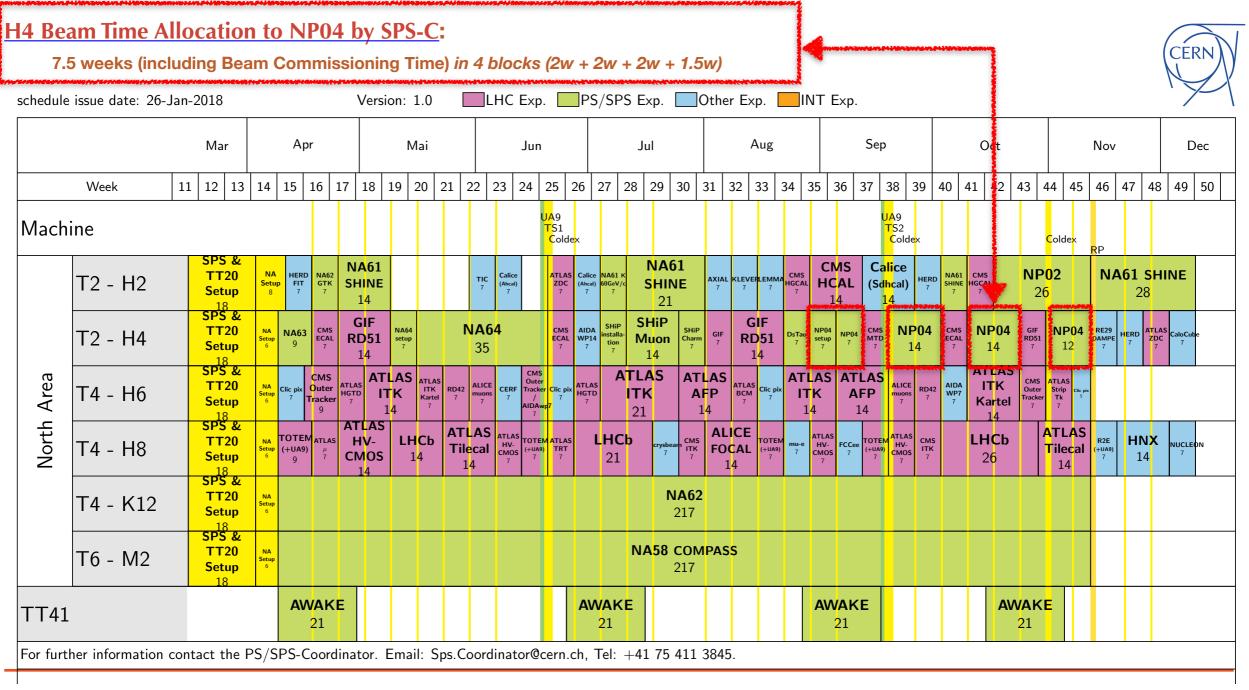
Coordination of presence and action items sequence being defined in the Commissioning Plan & Procedures document 

Run Plan & Shift Table

Commissioning Leader, Run Coordinator (F. Resnati/CERN, R. Acciarri/FNAL) + Deputy (A.Zani/CERN)

## **August 29, 2018 (Start) November 11, 2018 (End)**

### **ProtoDUNE-SP Beam Time Schedule**





DAP Meeting:

# SHIFT TABLE

Shift unit is TWO-Weeks

1... 39 = Shift unit ID NUMBER

Shift units are assigned/taken to/by Institutions (not by individuals)

Shifters (and their Institution) must be registered in the CERN Graybook

For first-visit-at-CERN shifters:

 Paperwork for CERN badge&access to be prepared well before

[Maxine-DUNE Secretariat & Simona-CENF Secretariat]

 Arrival at CERN at least 2-3 days before first shift



The SHIFT TABLE is organized in COLUMNS.

Each Column represents ONE WEEK of shifts - there are 12 Weeks of shifts starting on Aug.22 and ending on Nov.14 (one additional week after Nov.14 is left as optional)

The Week starts on Wed. at 4pm (usually the Wed. morning is used by SPS for machine development, and there is no beam in the morning) and ends on the following Wednesday at 4pm

Each Week is thus made of SIX full DAYS + ONE DAY (Wed) split in two segments - Days are vertically displayed from top to bottom of the Week column.

Each Day of the Week is split into THREE PERIODS of 8 hrs each (vertically ordered)

Each Period has TWO SHIFTs (horizontally ordered - forming the width of the Column). Shifts are classified as E.S. (Expert Shift) and S (Shift)

Each Shift is represented by a "Pixel" in the shift table, identified by a Shift Unit ID NUMBER.

#### Each ID NUMBER identifies the Institution signing-up for the corresponding Shift Unit.

Each Id Number/Institution (with the exception of shift Id. 1, 2, 3 - reserved to Experts) is assigned with a Shift Unit, i.e. with a total of 14 Shifts Periods, distributed over TWO consecutive Weeks (7 S-type Shifts in the first Week and 7 ES-type shifts in the second week) indicated by the corresponding Id. Number.

The Institution supports their shifter(s) for travel expenses. The Project can supply for lodging (room in apartment near Prevessin).

### Shift rotation logic aims to distribute an even number of owl and w.e. shifts to ALL Institutions:

shifts are either single 8hrs long (owl shift, over night from 0:00 to 8:00) or double 8+8 hrs long (during day, 8:00 to 24:00). This arrangement allows for ONE full day (24hrs) to relax between shifts.

See the highlighted "Id 16" as example of shift/rest period distribution.

Note: After the first week **Shifter** 16 becomes **Expert Shifter** in the second week.

Note 2: Institutions may send one or two shifters to cover their shift unit. In case of TWO, both shifters are required to stay the entire period of two weeks.

The Shift Table requires in total **39 Institutions** for the coverage of

12 Weeks x 7 Day/Week x 3 Periods/Day x 2 Shifter/Periods = 504 Pixels

Currently there are 43 Institution registered in the CERN Gray Book and several more active Institutions not (yet) registered.

Institutions	TeamLeader	SHIFT ID NUMBER	NON AVAILABLE FOR SHIFT
SLAC	M. Convery		
Michigan Stae U	C. Bromberg		
ANL	Z. Djurcic		
Louisiana State U	T. Kutter		
LBNL	C-J Lin		
Indiana U	S. Mufson		
Boston U	E. Kearns, F. Blaszczyk		
U of Chicago	E. Blucher		
U of Cincinnati	A. Aurisano		
Oregon State U	H. Schellman		
U of California Davis	R. Svoboda, J. Wang		
U of Hawaii	J. Maricic		
U of Huston	L. Whitehead, A. Renshaw		
U of Iowa	O. Yasar		
U of California Irvine	J. Biang		
Drexel U	C. Lane		
U of Rochester	S. Manly		
Stony Brook U	C-K. Jung		
BNL	S. Kettell, M. Worcester		
William&Mary	M. Kordosky		
Virginia Tech	C. Mariani		
U of California LosAngeles	H. Wang		
U of Wisconsin Madison	R. Paulos		
U of Minnesota	M. Marshak, W. Miller		
U of Dallas	W. Flanagan		
Kansas State U	G. Horton-Smith		
Yale U	B. Fleming, S. Tufanli		
FNAL	F. Cavanna, G. Rameika		

CERN	M. Nessi	
NIKHEF (NL)	P. DeJong	
IFIC-Valencia (Sp)	A. Cervera	
UNICAMP (Br)	E. Segreto	
UFABC (Br)	A. Machado	
U of Bristol	J. Brooke	
U of Oxford	G. Barr	
U of Birmingham	A. Watson	
U of Sheffield	C. Booth	
RAL	A. Weber	
U of Edinburgh	F. Muheim	
U of Liverpool	C. Touramanis	
U of Manchester	J. Evans	
U of Warwick	G. Barker	

Institutions (not registered in GrayBook)	Team Leader	SHIFT ID NUMBER	NON AVAILABLE FOR SHIFT
U of Prague (Cz)	J. Zalesak		
UAN (Colombia)	R. Gutierrez		
UPenn	J. Klein		
U of Cambridge			
Colorado State U	R. Wilson		
Florida State U	I. Furic		