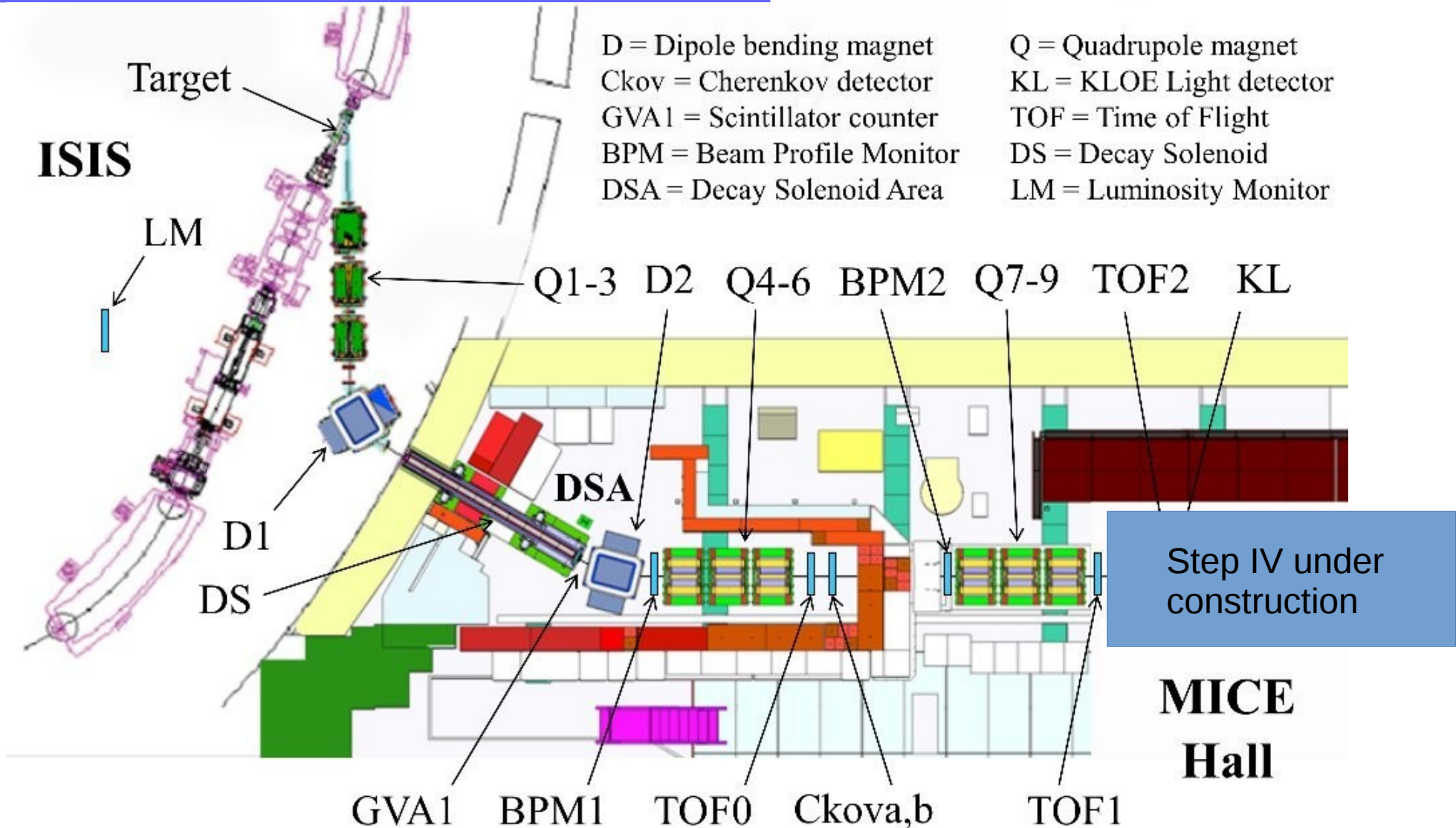


# MICE/ISIS Coordination 2

- ▶ MICE – A reminder
- ▶ Construction and the transfer to Operations
- ▶ Operations plan : Cycle 2014-03
- ▶ Operations plan : Cycle 2015-01

# MICE



# Project Schedule

<b>Id</b>	<b>Milestone</b>	<b>Date</b>
Step IV		
1	Compressors ready for cooling channel tests	29th January 2015
2	Rack Room Complete	2nd February 2015
3	South side yoke material delivered	16th March 2015
4	South side return yoke installation complete	1st April 2015
5	North side yoke material delivered	28th April 2015
6	North side return yoke installation complete	14th May 2015
7	MICE Step IV installation complete	2nd June 2015
8	Combined magnet operational tests complete	11th August 2015
9	End of Step IV Data taking	1st June 2016
Cooling demonstration		
10	Partial Return Yoke materials arrive at RAL	10th May 2016
11	RF Cavities arrive at RAL	18th May 2016
12	Step IV De-Commissioning complete	22nd July 2016
13	RF Amplifier delivered	31st August 2016
14	RF Amplifier 1 ready for electrical commissioning	6th October 2016
15	RF Amplifier 2 ready for electrical commissioning	7th November 2016
16	Installation of PRY South starts	14th December 2016
17	Installation of the RF Cavities and Chambers starts	19th January 2017
18	Installation of North PRY complete	1st February 2017
19	Cooling Demonstration construction complete	24th March 2017
20	Cooling Demonstration commissioning complete	2nd May 2017
21	End of data taking in the cooling-demonstration configuration	31st March 2018

Construction is the main priority in March-April

We plan to run intermittently until June when the commissioning period will begin

Production data taking due to start in August 2015

# Operations – Cycle 2014-03

- ▶ Construction has priority from March – May
- ▶ Running on weekends : March 21/22, 27/28, April 10/11, April 18/19, April 25/26
- ▶ All detectors will be potentially operational, depending on construction constraints
  
- ▶ Weekends will be used to
  - ▶ test DAQ, Control and Data transfer
  - ▶ time target and detectors to the ISIS beam
  - ▶ calibration of upstream detectors
  - ▶ other pre-commissioning and calibration tasks
  
- ▶ Hall work finishes at 15:00 on Friday afternoon and Hall is locked in preparation for Saturday morning
- ▶ Run from 08:00 – 12:00 am on Saturday
- ▶ Target parked and made safe overnight; Hall remains locked
- ▶ Run from 08:00 – 10:00 pm on Sunday; Hall opened for Monday
- ▶ 2 shifts / day from 08:00 – 16:00 and 16:00 - 12:00

# Operations – Cycle 2015-01 (a)(b)

- ▶ Nominal period put aside to commission the MICE channel
- ▶ J. Pasternak is in charge of channel commissioning – a plan has been developed.
- ▶ Time will also be used to commission the Tracker system in beam with and without solenoid fields
- ▶ We plan to start 24 hour / 7 day shift operations in this period, although target dipping and data taking may be intermittent as the spectrometer solenoids are trained and the channel is studied and understood

# Summary

- ▶ Moving from construction into commissioning and operation phase
- ▶ Cycle 2014/03 : Weekend running only
- ▶ Cycle 2015/01 : 24 hours / 7 day a week running subject to commissioning and staffing plans