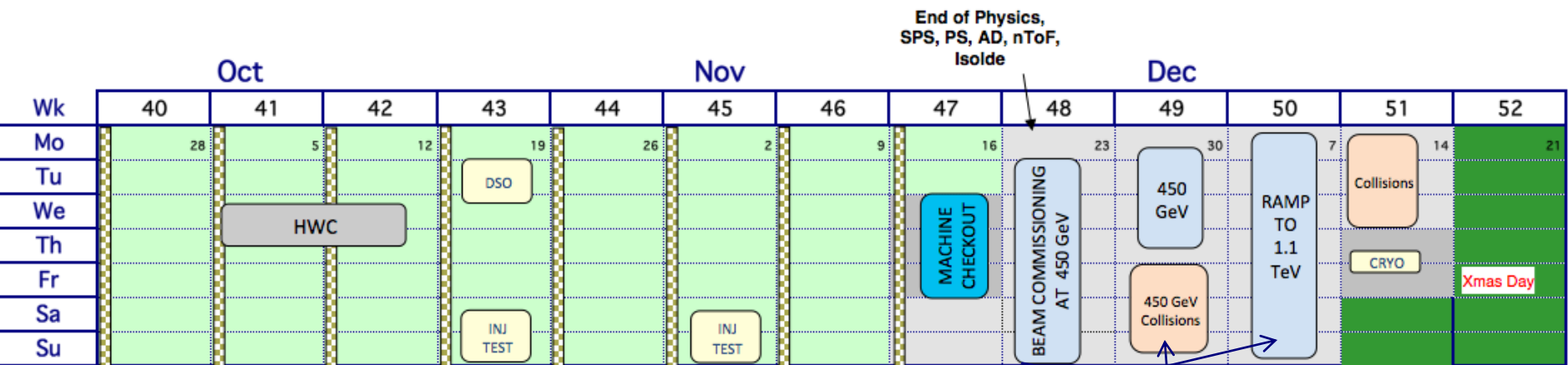


MD during dedicated LHC running



End of Physics,
SPS, PS, AD, nToF,
Isolde

- Technical Stop
- Beam commissioning
- SPS et al physics

LHC PROBE
LHC INDIV

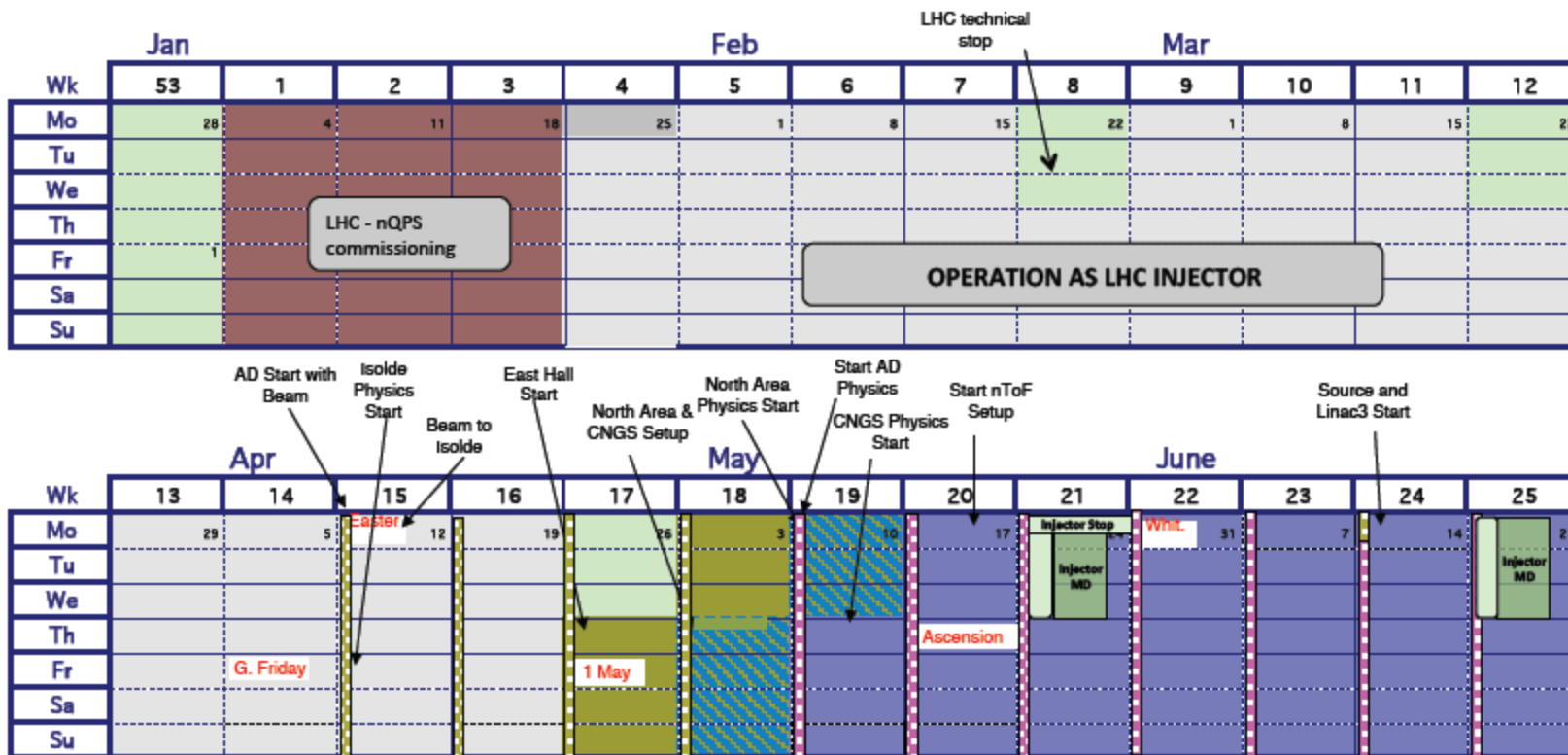
Up to 4 x 4 with
5e10 per bunch



ML

7/10/2009
V1.1

2010 Injector Accelerator Schedule Draft for discussion





Possible MD

- **Booster (KH):**
 - two parasitic MD cycles per supercycle during the LHC run (during day time only). In case the supercycle is very long, we would ask for up to 4 MD cycles.
 - MD topics comprise LHC 25ns beam single batch transfer, emittance growth due to space charge, test of digital rf control.
- **PS (RS):**
 - MTE in order to increase the intensity in the islands and reduce it in the core.
 - If these MD's would take place then this would be during normal working hours and any week day between the physics stop of 23rd of November and the restart of physics around Easter in 2010.
 - Appropriate cool down periods in case of PS access and interventions will have to be anticipated.



Constraint...

- Power consumption during winter months:
 - 180 MW hard limit otherwise it gets very pricey
 - Will have a big display in the CCC, will be monitored by TI
- Precludes SPS MD
- Go ahead has been given for MD in PS and PSB

