

|    | A    | B   | C   | D   | E  |
|----|------|---|---|---|--|
| 1  | Hall | FY16  | FY17  | FY18  | FY19                                       |
| 2  |      |   |   |   |  |
| 3  | A    | DVCS/GMp                                      | 3H (u/d, SRC, ....)                                 | PREx/CREx                                   | CREx (cont)                                |
| 4  |      | HRS-L   | HRS-L   | HRS-L                                       | HRS-L                                      |
| 5  |      | HRS-R   | HRS-R   | HRS-R                                       | HRS-R                                      |
| 6  |      | 15cm-IH2 (500 W @ 15K)                        | BigBite (no cryo load)                              | RESISTIVE SEPTUM                            | RESISTIVE SEPTUM                           |
| 7  |      | Optics targets                                | 1H,2H,3H gas (no cryo load)                         | Pb targets ~ 200 W indirect +TI(?) @ 15K(?) | 48Ca ~ 450W (300 W Tg + 150W TI(?)) @ 15K  |
| 8  |      |   |   | 48Ca ~ 450W (300 W Tg + 150W TI(?)) @ 15K   |  |
| 9  |      | APEX  |   |   | SBS/BigHand (HRS-L/HRS-R -> 80K?)          |
| 10 |      | HRS-L   |   |   | E12-09-019: 10cm 1H,2H (410W)              |
| 11 |      | HRS-R   |   |   | E12-07-109: 40cm 1H (~1200W)               |
| 12 |      | RESISTIVE SEPTUM (no cryo load)               |   |   |  |
| 13 |      | 0.5-10 rl W (no cryo cooling)                 |   |   |  |
| 14 |      |   |   |   |  |
| 15 |      |   |   |   |  |
| 16 |      |   |   |   |  |
| 17 | B    | Mid-late 2016                                 | TORUS   | TORUS                                       | TORUS                                      |
| 18 |      | Cool-down TORUS + commission                  | SOLENOID  | SOLENOID                                    | SOLENOID                                   |
| 19 |      |   |   |   | Longitudinal polarized target - cryo load? |
| 20 |      | Late 2016                                     |   |   | (uses SOLENOID for field +)                |
| 21 |      | Cool-down SOLENOID + commission               |   |   |  |
| 22 |      |   |   |   |  |
| 23 |      |   |   |   |  |
| 24 |      |   |   |   |  |
| 25 | C    | HMS - cold (FY15)                             | HMS   | HMS   | HMS  |
| 26 |      |   | SHMS  | SHMS  | SHMS                                       |
| 27 |      | SHMS - cool & commission as magnets arrive    |   |   | polarized 3He (no cryo load)               |
| 28 |      | Q1 - FY15                                     | E12-06-107: 15cm 1H,2H/80uA (500W @ 15K)            | E12-09-017/E12-09-002/E12-09-011            |  |
| 29 |      | HB - FY15                                     | E12-10-002: 10cm 1H2H/40 uA (300W @ 15K)            | 10m 1H/2H (410W @ 15K)                      |  |
| 30 |      | Dipole - FY16 (Jan/Feb 2016)                  | E12-10-008: 4cm 1H,2H, gas 3He,4He, .. (250W @ 15K) |   |  |
| 31 |      | Q2/Q3 - Spring 2016                           |   |   |  |
| 32 |      |   |   |   |  |
| 33 |      |   |   |   |  |
| 34 |      |   |   |   |  |
| 35 |      | From Bridza/Kashy/.... docs 4.5 K loads (???) |   |   |  |
| 36 |      |   |   |   |  |
| 37 | A    | HRS-L: 210W, 1.64 g/sec                       |   |   |  |
| 38 |      | HRS-L: 210W, 1.64 g/sec                       |   |   |  |
| 39 |      |   |   |   |  |
| 40 | B    | TORUS/SOLENOID: 230W, 2.2 g/sec               |   |   |  |
| 41 |      |   |   |   |  |
| 42 | C    | HMS: 114W, 0.65 g/sec                         |   |   |  |
| 43 |      | SHMS: 180W, 2.53 g/sec                        |   |   |  |
| 44 |      | Moller polarimeter solenoid: 40W, 0.01g/sec   |   |   |  |