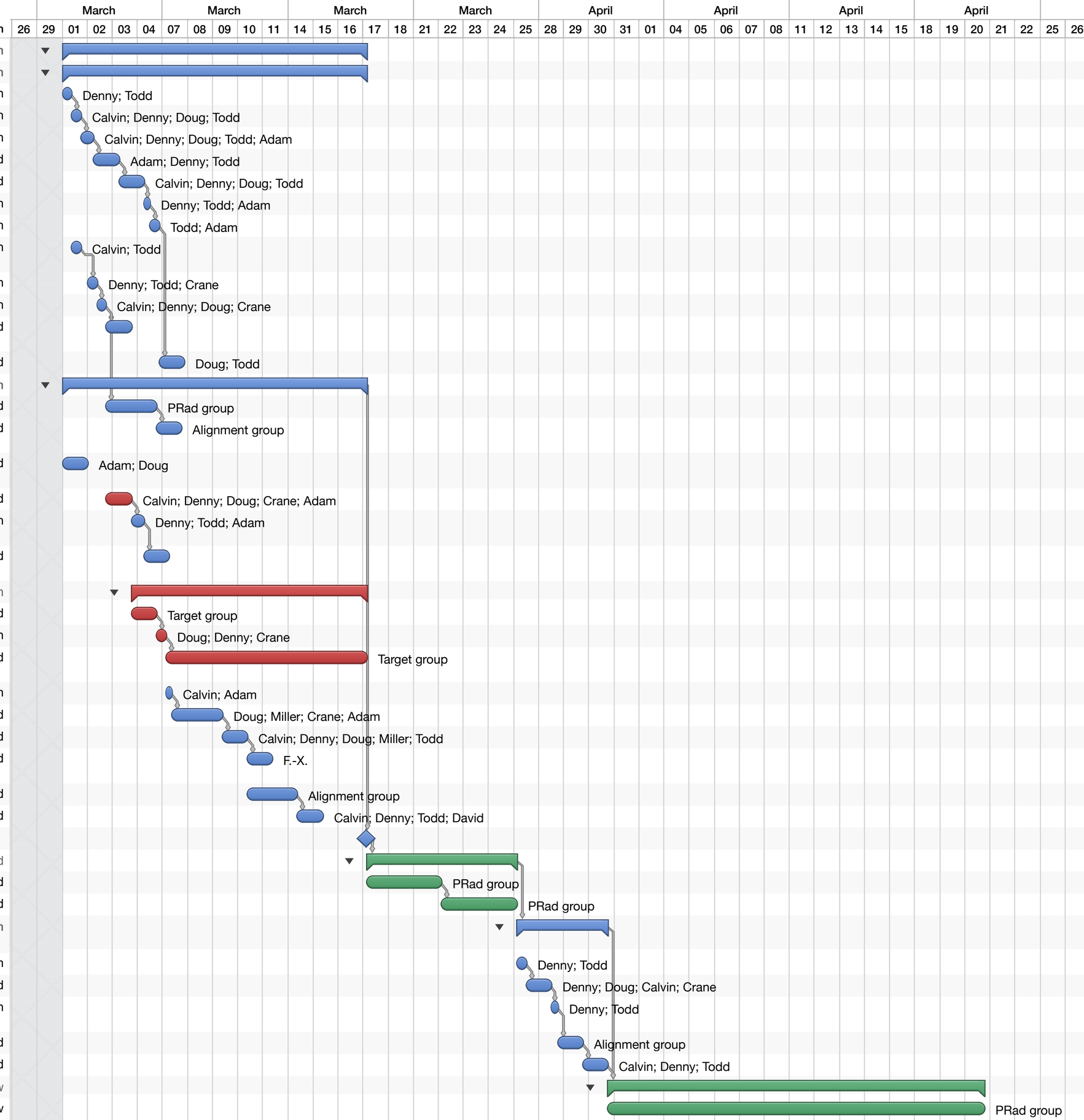| Title | Effort | Duration |
|---|---|---|
| 1) Convert from HPS to PRAD | 12w 2d 6h | 2w 2d 1h |
| 1.1) HPS removal | 12w 2d 6h | 2w 2d 1h |
| 1.1.1) Bleed and back fill beam-line | 6h | 3h |
| 1.1.2) Remove DS beam pipe | 1d 4h | 3h |
| 1.1.3) Move Pair Spec Magnet to beam left | 2d 4h | 4h |
| 1.1.4) Take second Frascati magnet down | 3d | 1d |
| 1.1.5) Remove HPS downstream Girder | 4d | 1d |
| 1.1.6) Remove 2H01 harp from alcove | 6h | 2h |
| 1.1.7) Install beam pipe through Alcove | 6h | 3h |
| 1.1.8) Disconnect beam pipe downstream of the tagger | 6h | 3h |
| 1.1.9) Move 2H01 BPM to floor | 1d 1h | 3h |
| 1.1.10) Remove upstream HPS girder to floor | 1d 4h | 3h |
| 1.1.11) Move HPS girder and 2H01 BPM to storage | 1d | 1d |
| 1.1.12) Install new beam pipe to Alcove | 2d | 1d |
| 1.1.13) Upstream beam line setup | 8w 3d 1h | 2w 2d 1h |
| 1.1.13.1) Install GEM detector | 2d | 2d |
| 1.1.13.2) Survey HyCal on the transporter and GEM | 1d | 1d |
| 1.1.13.3) Machine base for Harp installation | 2d | 1d |
| 1.1.13.4) Install collimator box | 1w | 1d |
| 1.1.13.5) Install 2H01 harp downstream of collimator box | 1d 4h | 4h |
| 1.1.13.6) Test collimator box and 2H01 harp | 1d | 1d |
| 1.1.13.7) Install target | 2w 1h | 1w 4d 3h |
| 1.1.13.7.1) Transport target | 1d | 1d |
| 1.1.13.7.2) Crane in PRad target | 1d 1h | 3h |
| 1.1.13.7.3) Make target operational in the hall | 1w 3d | 1w 3d |
| 1.1.13.8) Transport vacuum box | 4h | 2h |
| 1.1.13.9) Install PRad vacuum box | 1w 3d | 2d |
| 1.1.13.10) Vacuum windows | 1w | 1d |
| 1.1.13.11) Install downstream halo counters | 1d | 1d |
| 1.1.13.12) Survey and alignment | 2d | 2d |
| 1.1.13.13) Pump down beam line | 4d | 1d |
| 2) Installed in calibrate configurartion | | |
| 3) Calibration | 1w 1d | 1w 1d |
| 3.1) Commissioning | 3d | 3d |
| 3.2) Calibration | 3d | 3d |
| 4) Configuration change from calibration to running | 1w 4d 2h | 3d 5h |
| 4.1) Bleed and back fill beam-line | 6h | 3h |
| 4.2) Put HyCal on the cart | 4d | 1d |
| 4.3) Install beam pipe through HyCal and attach to the window | 4h | 2h |
| 4.4) Survey and alignment | 1d | 1d |
| 4.5) Pump down beam line | 3d | 1d |
| 5) Take data | 3w | 3w |
| 5.1) Take data | 3w | 3w |