Periodic source Upper Limit Group

3 source categories, 6 -> 4 algorithms, and 24 members

- » All sky unbiased
  - – Sum short power spectra (no doppler correction)
- » Known pulsar
  - – Full BW time domain [cancelled]
  - – Heterodyne narrow BW
  - – Coherent frequency domain
- » Wide area search
  - – Stack-slide [delayed]
  - – Hierarchical Hough transform

Status and Schedule

- ## Direct PSD summation
  - » Database of lines in LAL by end of September
  - » No code currently, MDC end of October—no LDAS

- ## Heterodyne known pulsar
  - » Code 90% done, MDC first week of October at Galscow—no LDAS

- ## Coherent frequency domain known pulsar
  - » Code 25% done, MDC time TBD at LHO—with LDAS

- ## Hierarchical Hough transform
  - » Engine validation in October at AEI—no LDAS
  - » End-to-end test TBD

Additional Searches Needed

- R-modes if plausible when resources are available
- LMXB (stochastic spin-up/spin-down)