Status of Standard packages

- Interfaces and general infrastructure:
  - MSC: base material approach is implemented
  - MSC: Physics Tables moved from processes to models
    - Urban and Wentzel models may work in the same Physics List for different energy range
  - MSC: moved from PostStep to AlongStep (before ionisation)
    - For the next release we may change algorithm to cross the boundary
  - Particles and anti-particles may share EM process class
    - Affect size of EM tables
  - Established universal interface to angular generator for all models
    - Bremsstrahlung, Rayleigh, photoeffect
  - Biasing methods
    - Bremsstrahlung splitting significantly improved
    - Weight propagation fixed
- Model refinments
  - Fluctuation model upgrade for gas layers (L.Urban)
  - G4UrbanMsc96 (L.Urban)
  - Bremsstrahlung tables extended (A.Schaliske & F.Garay)
  - Angular generators improved
  - Pair production cross section – relativistic model