SVD software Status

- Unpacker and packer for simulation (December 2014):
- Unpacker for November beam test
- BG simulation (November B2GM)
- SVD geometry update (December 2014)

Manpower issues

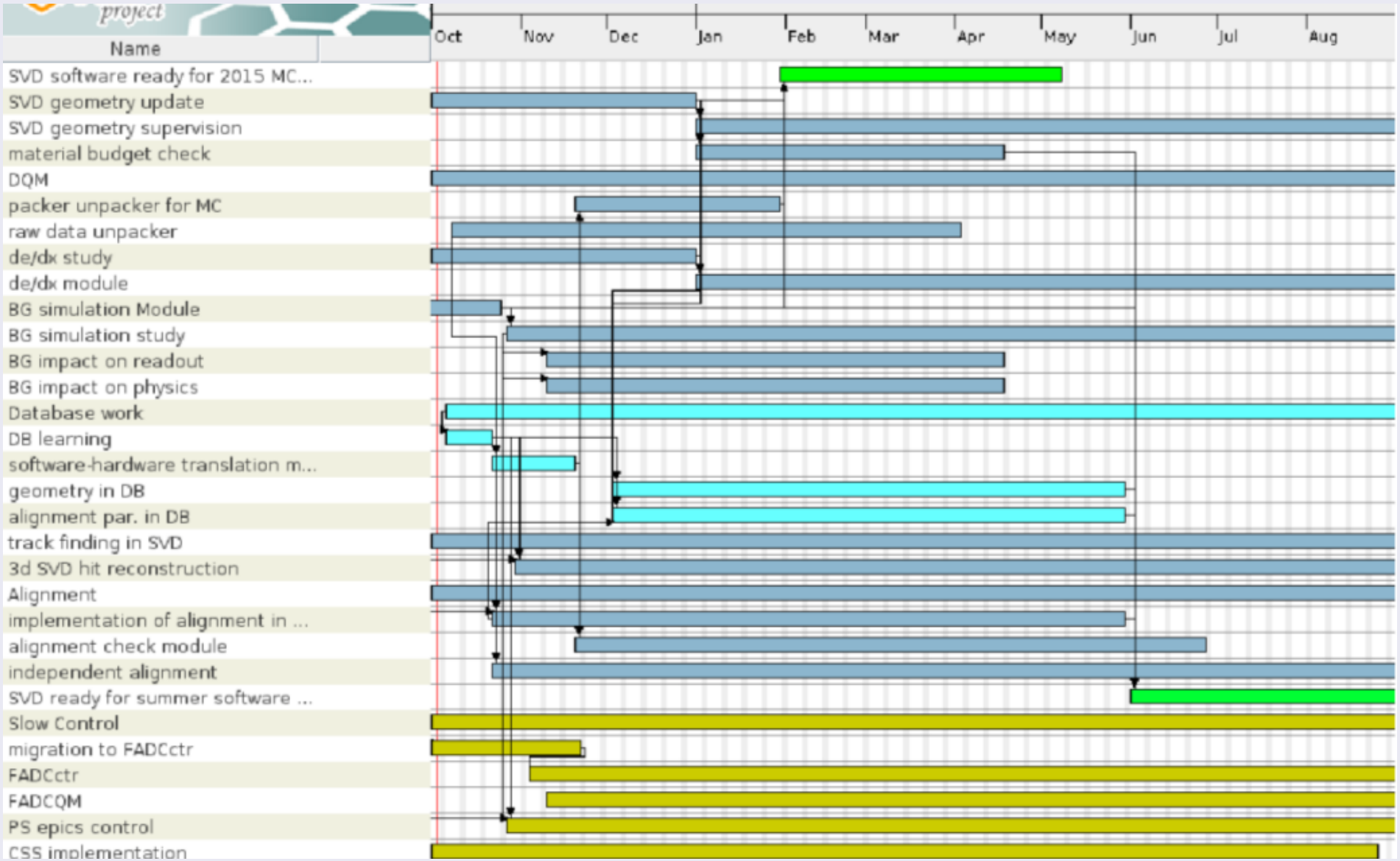
- several subjects are covered by some other groups (alignment, vertexing, tracking),
- still, I don't see any reason why groups involved in SVD building cannot contribute and take credits, more fully, from results obtain with detector they build.

SVD software progress in last time (half a year)

- Slow control
  - establishment of the group
  - decisions on choice of the software (EPICS)
- big progress in digitization
- definition of data format
- update of the geometry

Task list

Short term tasks list



The SVD software people list

People who contributed

- Martin Ritter (MPI) geometry implementation, digitalization
- Giulia Casarosa (Pisa) unpacker, beam test, tracking, K0s study
- Eugenio Paoloni (Pisa) Unpacker, tracking
- P.Kodys (Prague) geometry material, beam test analysis

Current contribution

- P.Kvasnicka (Prague) digitalization, alignment, BG studies, DB
- T.Bilka (Prague) alignment
- J.Stypula (Krakow) geometry implementation
- J.Wiechczynski (Krakow) Packer/unpacker
- K.Dutta (Guwahati) DQM
- S. Bahinipati (Bhubaneswar) BG study
- N. Dashi (Bhubaneswar) BG study
- J. Lettenbichler (Vienna) track finder
- K. Nakamura (KEK) beam data analysis, unpacker, slow control, daq,
- S. Bacher (Krakow) slow control
- H. Yin (Vienna) slow control, beam data analysis
- J. Ferrero (Vienna) slow control
- L. Vitale (Trieste) slow control- contact for environmental sensors
- P. Behera (Madras) DB, unpacker,packer
- G.Mohanty (Madras) DB

Milestones and Critical Paths

- DB - temporary solution (PXD), no way we have to start to use it ASAP
- Preparation for MC production starting from Jan. 2015
- Mid. year MC production (July 2015)
  - no clear specification from Belle II software group
- Slow Control - DESY beam test (Autumn 2015)

Problems: unmanned or undermanned

- *intelligent* 3D SVD hits point reconstruction
- Curling tracks - finding
- Parameter-tuning for the TrackFinder
- de/dx measurement and storage in DB
- de/dx check, in simulation and later in data based on physics events
- Alignment quality check
- Independent alignment SVD program
- V0 reconstruction check
- material distribution check in SVD (e.g. gamma conversion)
- D^*, $K^0K^0K^0$ and others physics checks

task list

SVD people list