Updates

William Shields

(william.shields@rhul.ac.uk)

WP6 Meeting

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Naming Convention Update

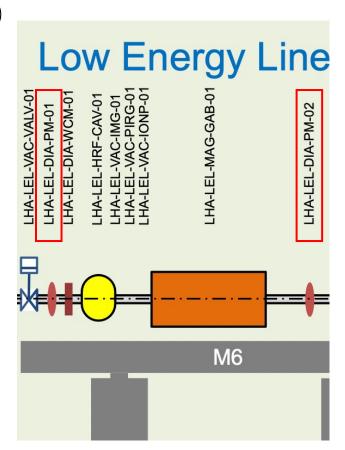








- New domains:
 - HEL: High Energy Lines
- Domain correction:
 - Duplication of LGE (LhARA General Equipment)
- New components (suggested names):
 - Septum Magnet (SEP)
 - FFA Magnet (FFAM)
 - Gabor Lens Injector (GLI)
 - Profile Monitor (PM)

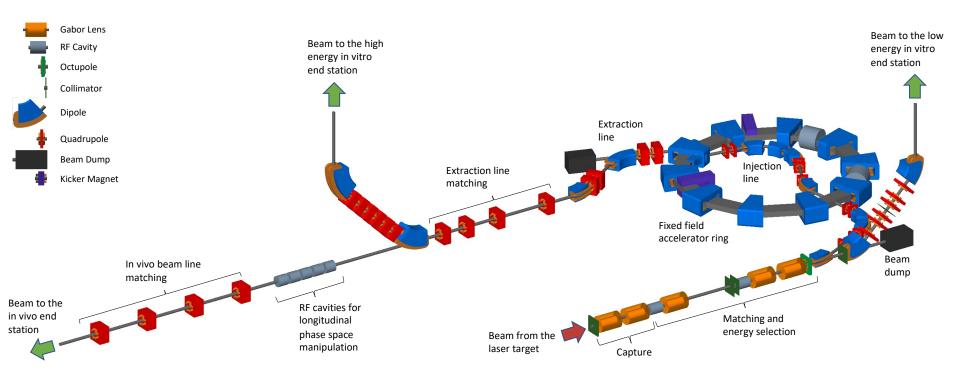


BDSIM FFA Geometry Update









- Cannot add pole face rotations to FFA magnets to resemble single spiral magnet
 - BDSIM dipole construction
 - Septum magnets overlaps cell 10 FFA magnet.
- Exposed a few minor BDSIM bugs
 - Extreme scenarios
- Develop LhARA FFA magnet element
 - Field map permits true fringe modelling.

Summary









- Done:

- **AP**: identify a list of anomalies, missing components or errors spotted in the draft Device naming Convention
- Updated model components to match naming convention (BDSIM & GPT)
- Updated BDSIM model FFA geometry
- Excel survey up-to-date

- Ongoing:

- AP: GPT optimisation of capture section gdfsolve
 - Continuing (not quick).

- Todo:

- Identify locations for non-beam transport systems + add to model
- Develop OPAL model of FFA need JP input.