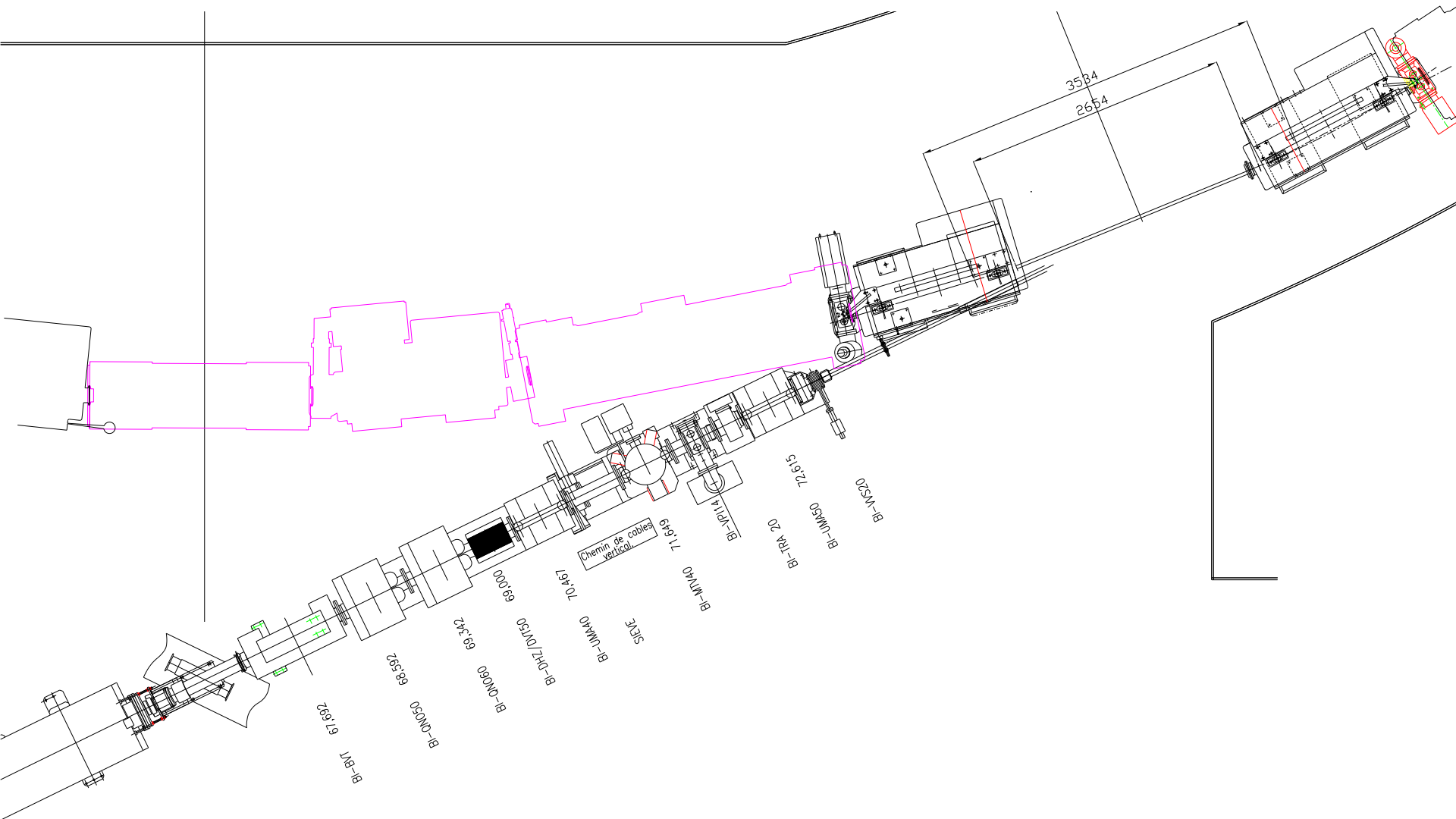


Trajectory Issues with shorter main dipoles



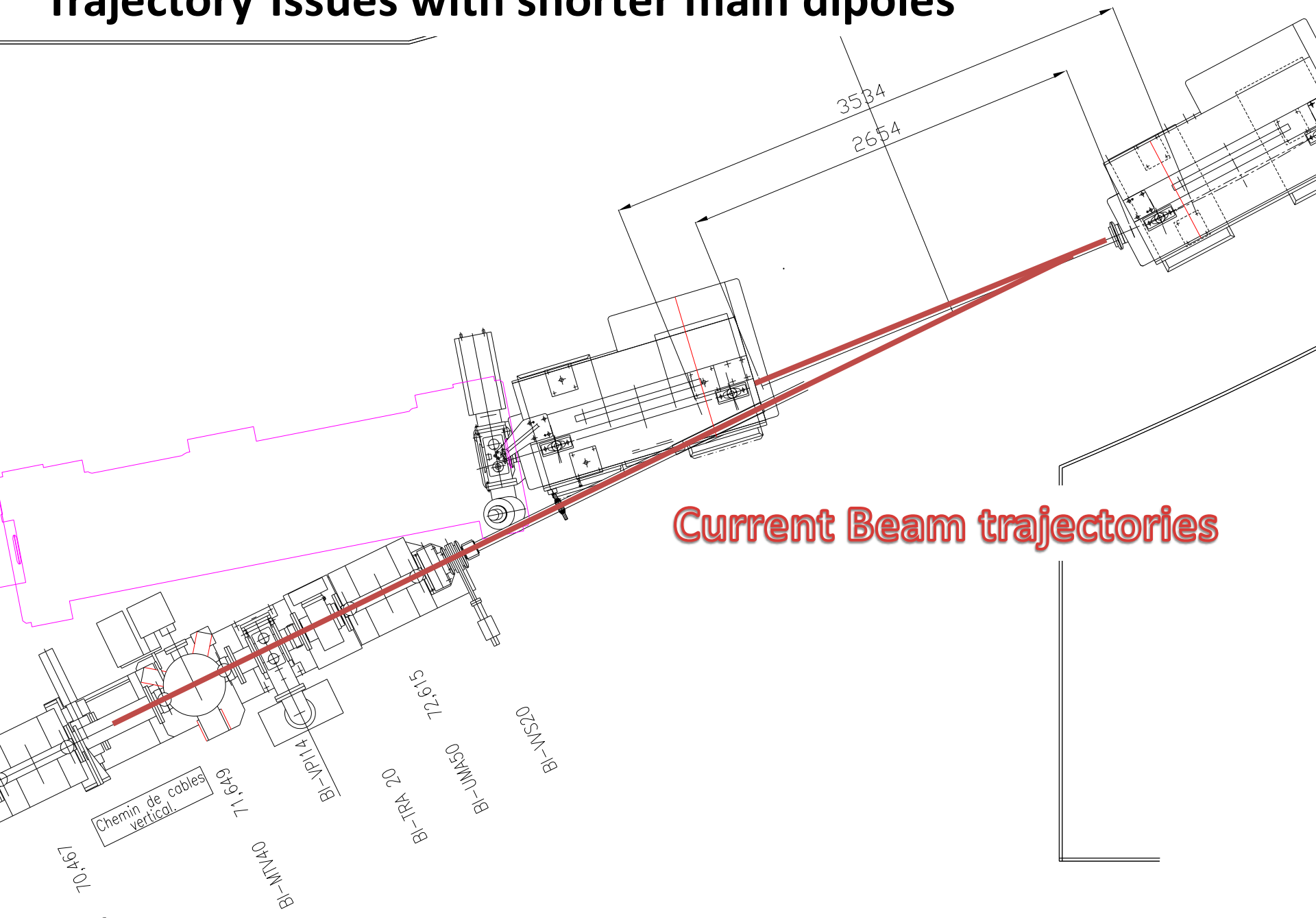
Technical drawing of a cable management system, likely a cable tray or duct system, showing various components and labels. The drawing includes a perspective view of the system and a detailed cross-section view of a section of the tray.

Labels and Dimensions:

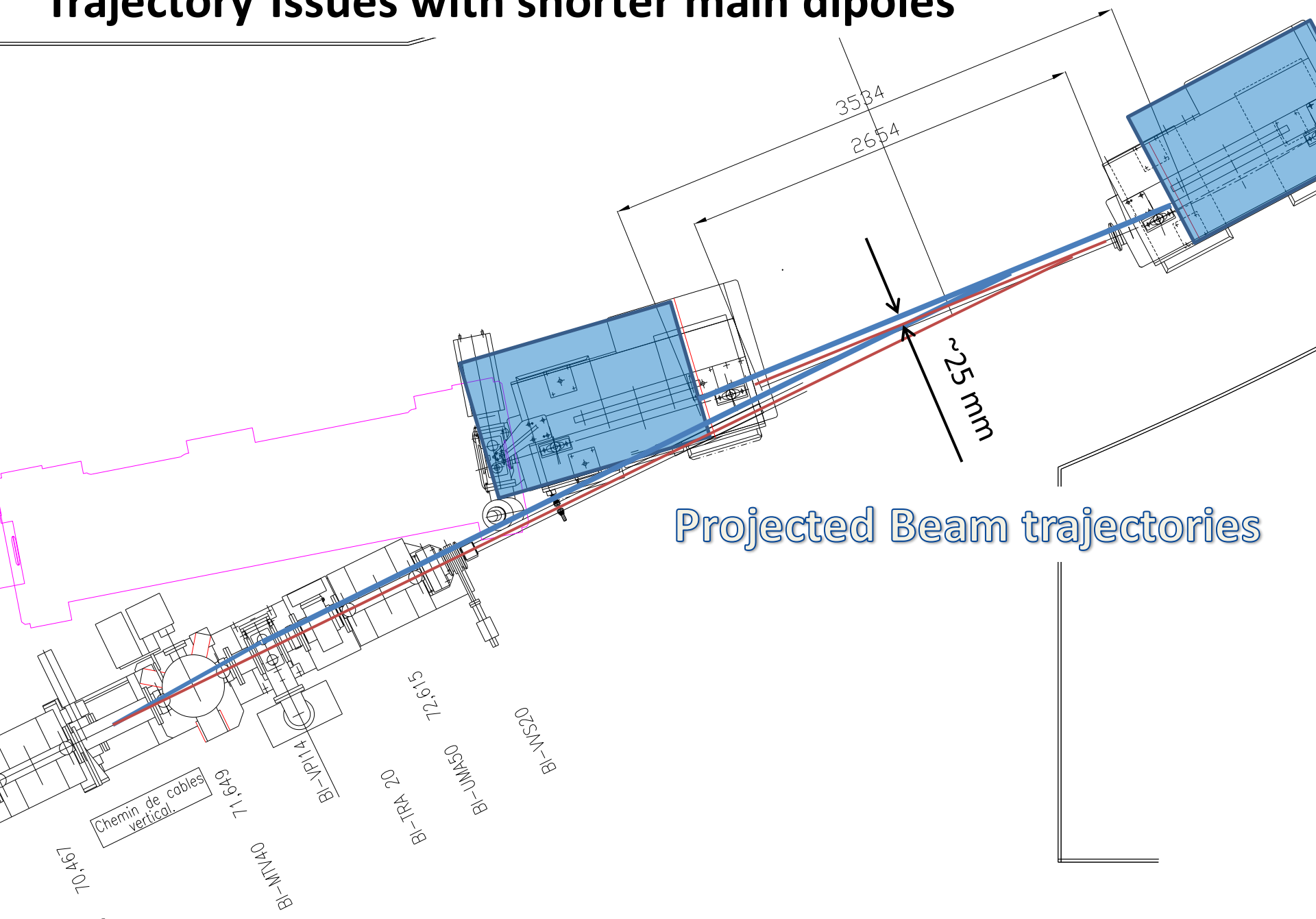
- BI-971
- BI-QN050
- 68.592
- 69.342
- BI-QN060
- 0310/20130
- 70.467
- BI-UM40
- Site
- Chemin de cables vertical
- BI-UM40
- BI-JP14
- 71.649
- BI-UM450
- 72.615
- BI-TBA 20
- BI-VIS20
- 3534
- 2654

New Dipoles

Trajectory Issues with shorter main dipoles

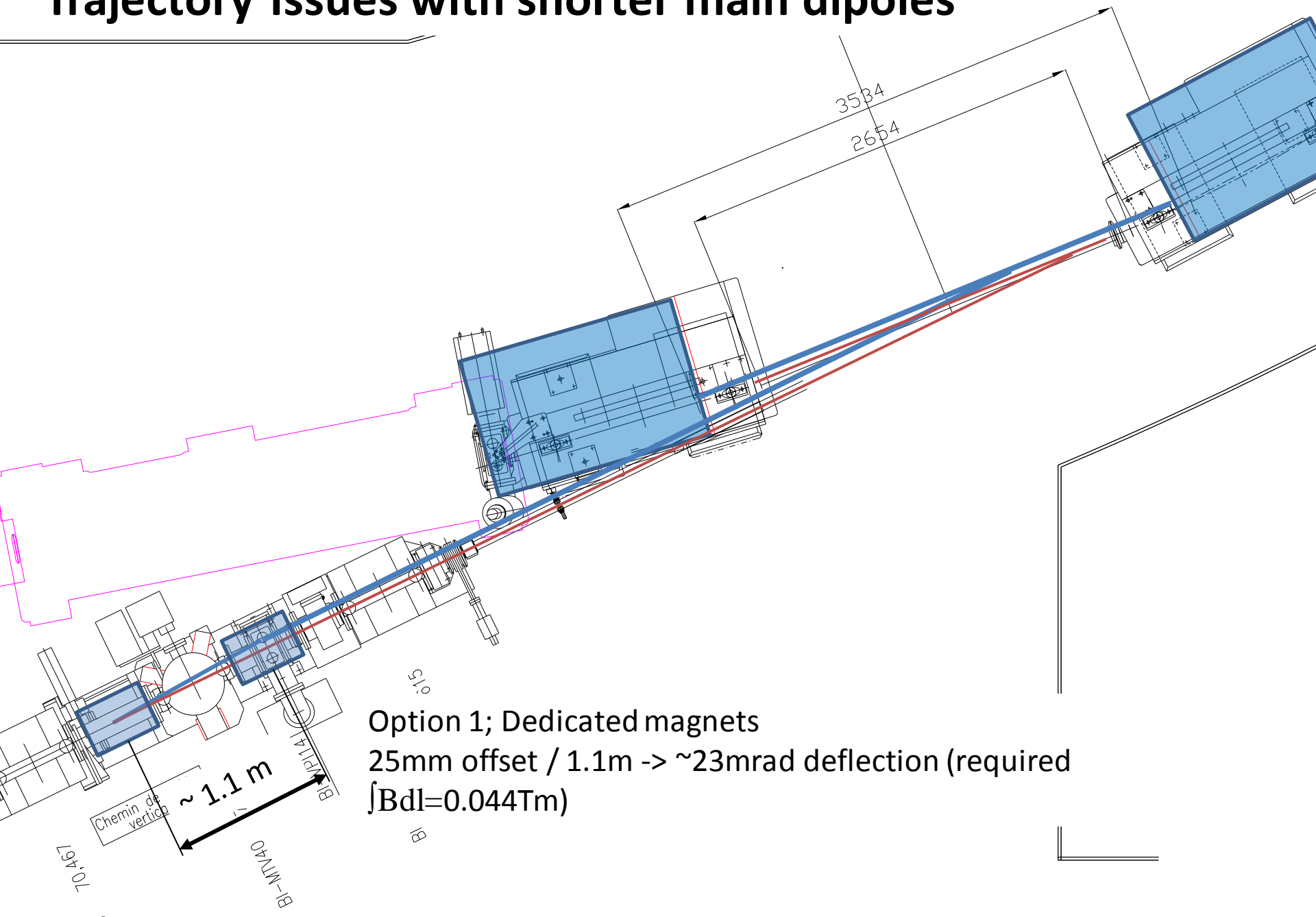


Trajectory Issues with shorter main dipoles



Projected Beam trajectories

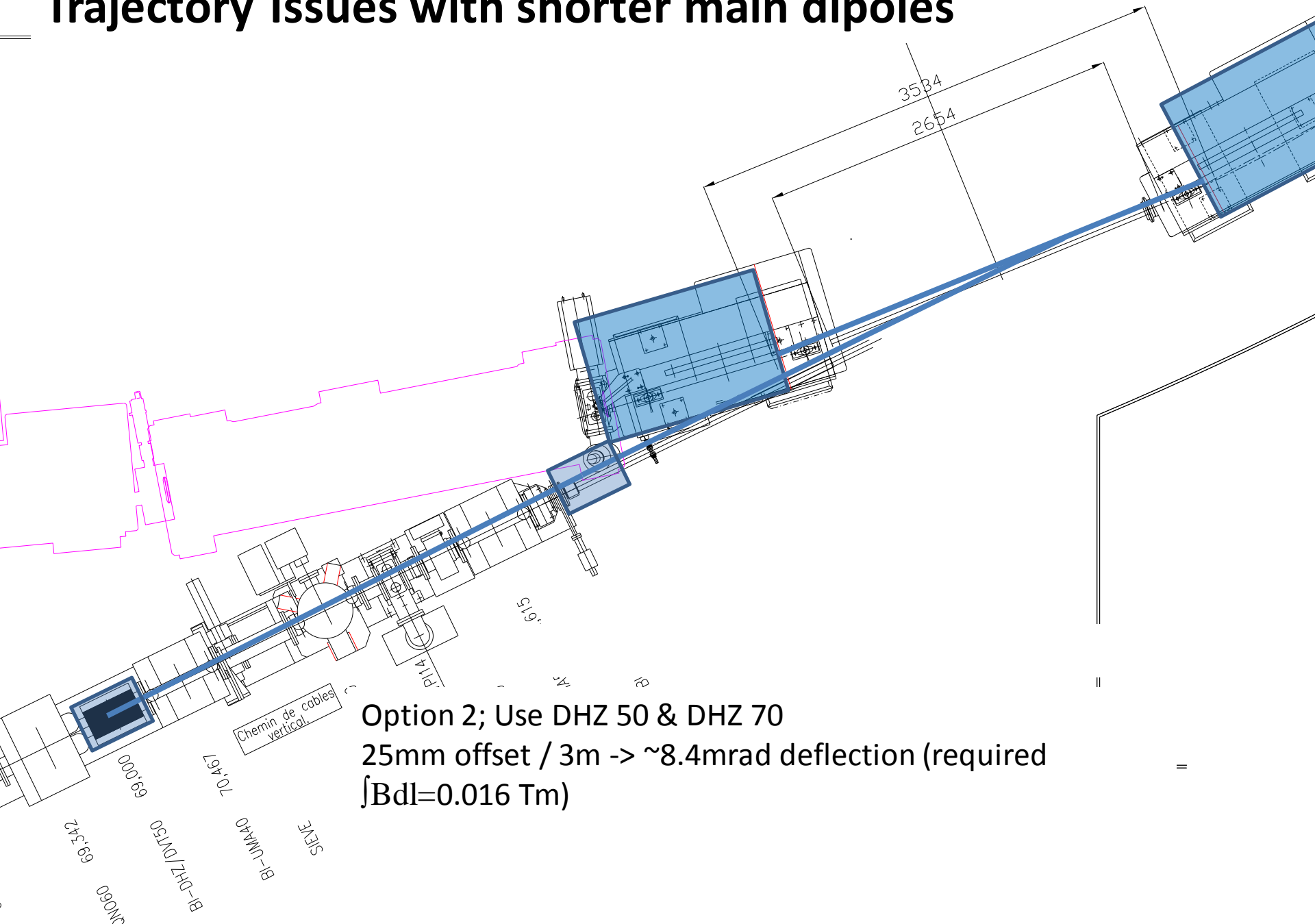
Trajectory Issues with shorter main dipoles



Option 1; Dedicated magnets

25mm offset / 1.1m -> ~23mrad deflection (required $\int B dl = 0.044 \text{ Tm}$)

Trajectory Issues with shorter main dipoles



Option 2; Use DHZ 50 & DHZ 70

25mm offset / 3m -> ~8.4mrad deflection (required $|B_d| = 0.016 \text{ Tm}$)