

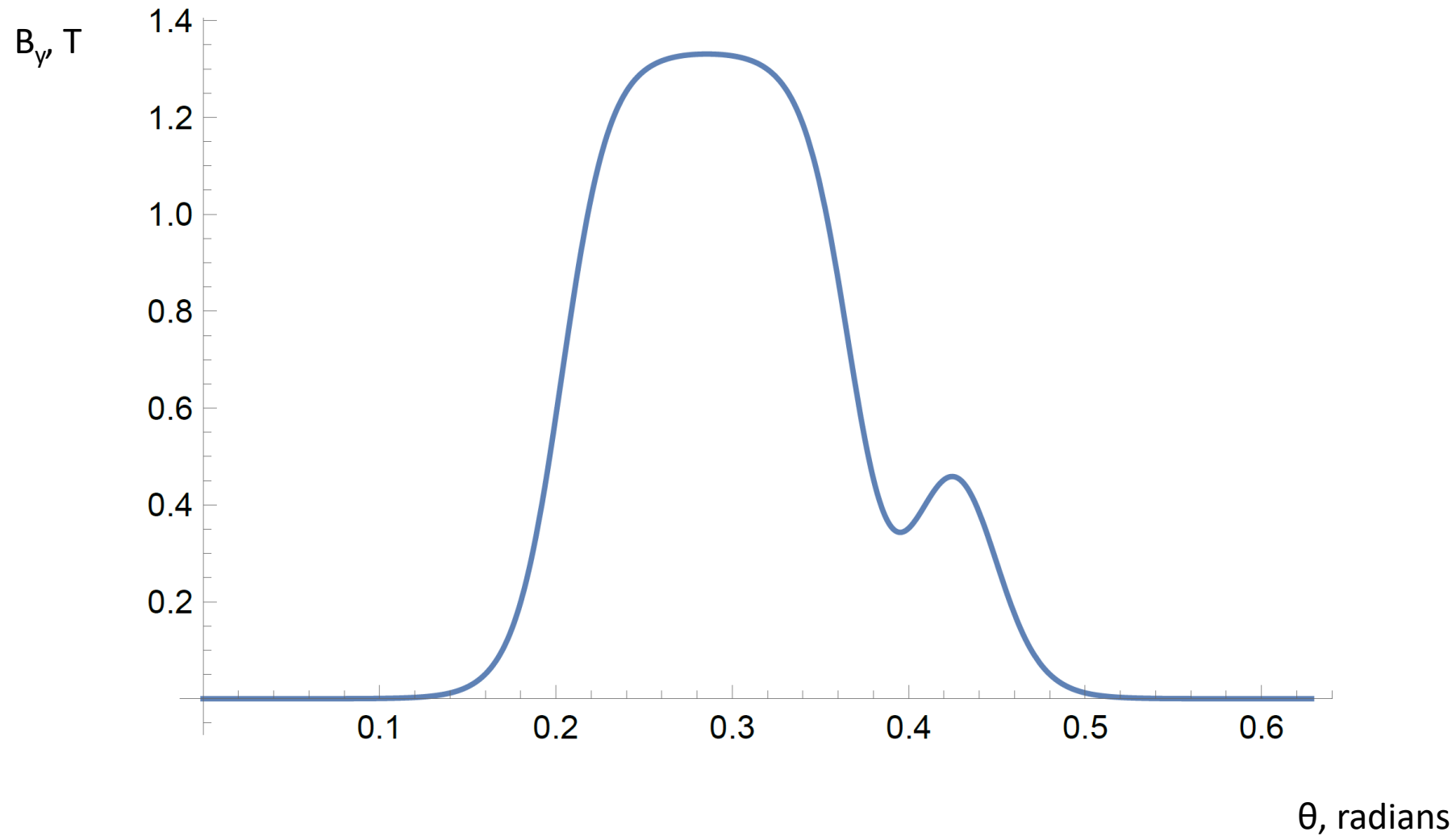
WP6 meeting, 25/07/23

J. Pasternak, IC/JAI/RAL-STFC

Search for parameters for LhARA with doublet focusing

- B_{\max} : 1.4T \rightarrow 1.5T
- R_{\max} : 3.48m \rightarrow 3.98m \rightarrow 4.25m
- K_{si} : $48.7^\circ \rightarrow 43.7^\circ \rightarrow 53.7^\circ$
- k : 5.33 \rightarrow 5.185 \rightarrow 5.33

Field in the LhARA version 4 at R_{\max} , $z=0$



Results and next steps

- Tune per cell calculation returns $(Q_x, Q_y)=(0.284,0.208)$
- This is very good news: we can have our working point back.
- Next steps would be a slight increase of the f field to reach half of F and reduction of the spiral angle.