

Forward Jets at LHC(b)

- 5min advert presentation -

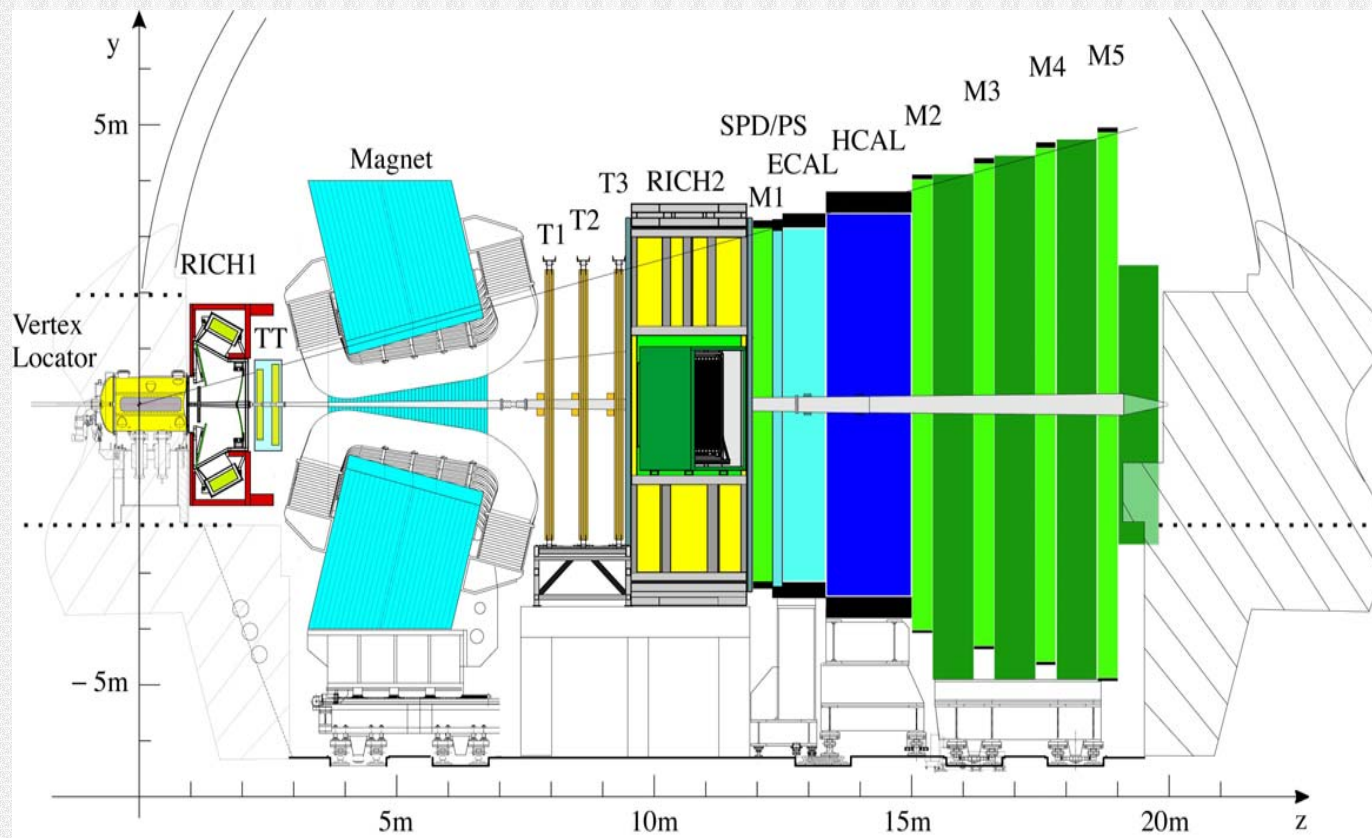
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LHCb

Goal: B-physics studies,
CP violation,
rare B-decays

Acceptance: $1.8 < \eta < 4.9$

Luminosity: $2 \cdot 10^{32} \text{ cm}^{-2} \text{ s}^{-1}$



Forward Jets at LHC(b)

LHCb:

- can we use the reconstructed b-jet for inclusive triggering (at high level trigger)?
- b-jet (charge) useful for flavour tagging?
- what kind of jet algorithms are best to use in (very) forward region?
 - is KTCLUS good (enough) ? Alternatives?

=> where can HERA help?

- LHCb can simulate and make studies
- HERA can also analyse data and make comparisons
- HERA measurements: forward jet production, particles/energy flow in forward region ...
 - ... ongoing analyses / plans in ZEUS/H1?

-> areas where discussions / feedback / between both groups can be profitable ...

Any interests from HERA on addressing these points?