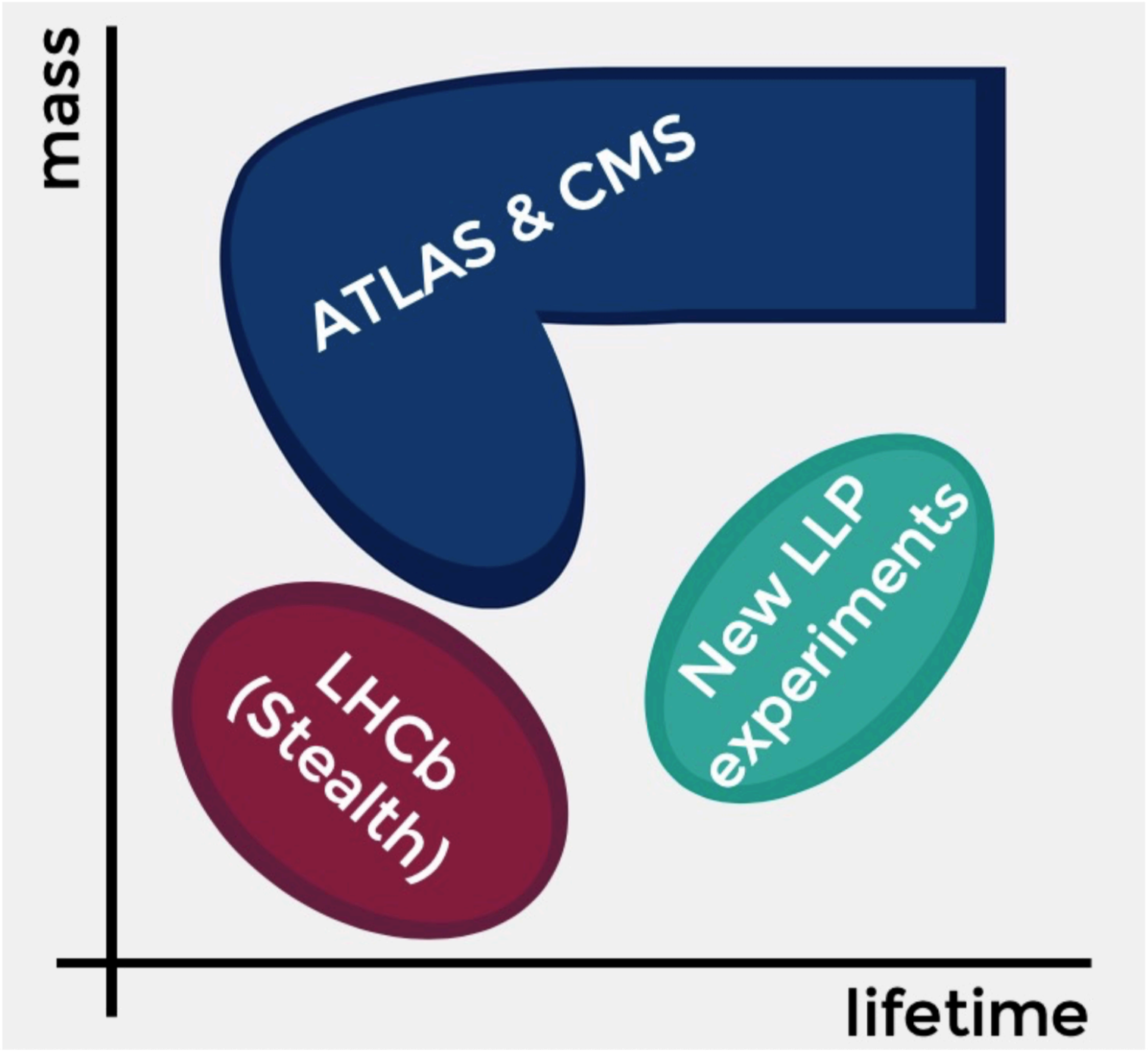
Discussion session:
Ask an experimentalist!

Where has LHCb the upper hand?



Are there other axes at play?

- **coupling strength(s)**
- **production mode**
- **softness (pT)**
- **final state**
- **…**

Stolen from Xabier

A few selected examples

Object	LHCb capabilities	so LHCb can do...
μ	$p_T(\mu) \sim 1$ GeV [5-10 @ ATLAS/CMS]	"soft" muons
$\mu\mu$	$\Delta m_{\mu\mu} \sim 0.5\%(m_{\mu\mu} \approx 3$ GeV)	
$\gamma\gamma$	$m_{\gamma\gamma} \in [3-10]$ GeV (not accessible at GPD)	low mass resonances
ee	$m_{ee} \in [10-300]$ MeV (from ee to $\mu\mu$ threshold)	
$\tau\tau$	$m_{\tau\tau} \gtrsim 3.5$ GeV (for specific $\tau\tau$ combinations)	
Hadron id	Exclusive reco and vertexing ($m \lesssim m_{J/\Psi}$)	Hadron PID and DV.
E_T^{miss}	Can't do invisibles.	Not this one
...	...	...
add your own...	Which feature are you interested in?	the signature of your favourite model!

If more examples come to mind…

Should we document these features?

(and the whole workshop as well!)