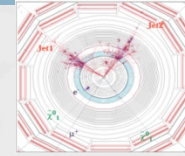


Parameter space determination in Decay Chains with Invisible Particles @



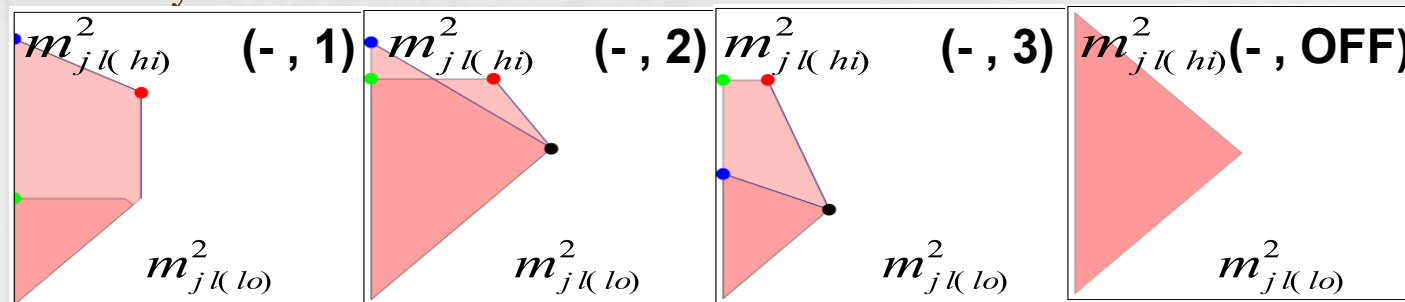
How can we determine the mass of ~~particle~~ ? / How much can we talk about model?

$q / \quad / \quad l_n^\pm / \quad l_f^\mp$				Mqll	Mql	$q / \quad l^\pm / \quad l^\mp$			Mqll	Mql
D	C	B	A	4	3	D	C	A	2	-

The shape of 2D distributions will give us more information and right formular.

- The positions of the boundaries give us the correct set of equations.
- Once we understand what the correct case is, we could also project these distributions onto 1D histogram and use the formulae for the endpoints in that case. With this method, may be easier to correct for background and mismeasurement + **Another way for inversion** !??
- Then, **which combination** do we need to use to determine the mass spectrum ?

Study the basic kinematics in the C-rest frame:



For on-Shell, using **red, green, blue** + dilepton invariant mass = We can have unique (region free) inversion for mass spectrums.

