



box





Do not write outside the box









Turn over ►

box





		Do not write outside the
0 3.6	${}_3^6\mathrm{Li^+}$ and ${}_3^7\mathrm{Li^+}$ ions are produced in the sample simultaneously and travel a distance L	box
	from aperture P to the detector.	
	For each type of ion, the time interval between production and detection is measured.	
	Discuss how the masses of the ions can be deduced from the measurement of these time intervals	
	[2 marks]	
		11
	Turn over for the next question	
	Turn over ►	







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box















