

# MC topology analysis: tex version

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## Contents

<b>1</b>	<b>Modes list in decreasing order</b>	<b>2</b>
1.1	Decay modes . . . . .	2
1.2	Total number of events is 61 . . . . .	4
<b>2</b>	<b>Modes rearranged by types of final states</b>	<b>4</b>
2.1	Types of final states . . . . .	4
2.2	Total number of types of final states 2 . . . . .	7

# 1 Modes list in decreasing order

## 1.1 Decay modes

No.	decay chain	final states	iTopology	nEvt	nTot
0	$J/\psi \rightarrow e^- e^+ \gamma_{FSR}$	$e^- e^+$	1	32	32
1	$J/\psi \rightarrow e^- e^+ \gamma_{FSR} \gamma_{FSR}$	$e^- e^+$	0	27	59
2	$J/\psi \rightarrow e^- e^+$	$e^- e^+$	2	1	60
3	$J/\psi \rightarrow \pi^+ \pi^- \pi^0$	$\pi^- \pi^0 \pi^+$	3	1	61

Table 1:

1.2 Total number of events is 61

2 Modes rearranged by types of final states

2.1 Types of final states

No.	decay chain	iTopo	nEvt
	$e^-e^+$		
0	$J/\psi \rightarrow e^-e^+\gamma_{FSR}$	1	32
1	$J/\psi \rightarrow e^-e^+\gamma_{FSR}\gamma_{FSR}$	0	27
2	$J/\psi \rightarrow e^-e^+$	2	1
60 evts (3 modes )			

Table 1:

No.	decay chain	iTopo	nEvt
	$\pi^-\pi^0\pi^+$		
3	$J/\psi \rightarrow \pi^+\pi^-\pi^0$	3	1
	1 evts (1 modes )		

Table 2:

## 2.2 Total number of types of final states 2