NOvA event rates and efficiency for 8.85 x 10^20 POT, NH, \delta_CP = -\pi/2

I. nu_e mode

Efficiency: 0.62 Signal: 48 Background:

Total bckg	nu_mu CC	nu_mu NC	nu_e beam
20.5	1.1	6.6	7.1

II. anti-nu_e mode

Efficiency: 0.67 Signal: 6.47

Background:

Total bckg	nu_mu CC	nu_mu NC	nu_e beam
5.6	0.4	2.5	2.7

III. nu_mu mode

Efficiency: 0.68 Signal: 129 Background:

Total bckg	nu_mu NC	Cosmic
9.29	3.46	5.83

IV. Anti-nu_mu mode

Efficiency: 0.62 Signal: 39 Background:

Total bckg	nu_mu NC	Cosmic
	1.2	

NOvA event rates and efficiency for 53 x 10^20 POT, NH, \delta_CP = -\pi/2 (operation until 2024)

I. nu_e mode

Efficiency: 0.62 Signal: 288 Background:

Total bckg	nu_mu CC	nu_mu NC	nu_e beam
20.5	6.6	39.6	42.6

II. anti-nu_e mode

Efficiency: 0.67 Signal: 38.82

Background:

Total bckg	nu_mu CC	nu_mu NC	nu_e beam
33.6	2.4	15	16.2

III. nu_mu mode

Efficiency: 0.68 Signal: 774 Background:

Total bckg	nu_mu NC	Cosmic
9.29	20.76	34.98

IV. Anti-nu_mu mode

Efficiency: 0.62 Signal: 234 Background:

Total bckg	nu_mu NC	Cosmic
	7.2	

nova event rates (5% systematic uncertainties) globes -p '0.6013,0.1479,0.7854,-1.57,0.000076,0.0025' -t NOvA.glb

#Nu_E_Appea	rance	-	
289.584	289.584		
89.2835	6.636	39.8156	42.832
#Nu_Mu_Disa	ppearance		
775.367	775.367		
20.8731	20.8731		
#Nu_E_Bar_A	ppearance -		
39.6045	39.6045		
33.2147	2.22107	14.7024	16.2912
#Nu_Mu_Bar_	_Disappeara	nce	
236.617			
6.99139			
0.55155	3.00100		