

Commenti di Wolfgang

Memo version and Change log: priority 0

Fit function and binning: priority 100

- use MC-shape

- different binning show a discrepancy of about 1%: add in systematics

Fix the plot of positive and negative phase: done

- red line not visible → use the difference instead of plotting both lines

The term “Rates” is not accepted by Wolfgang: priority 50

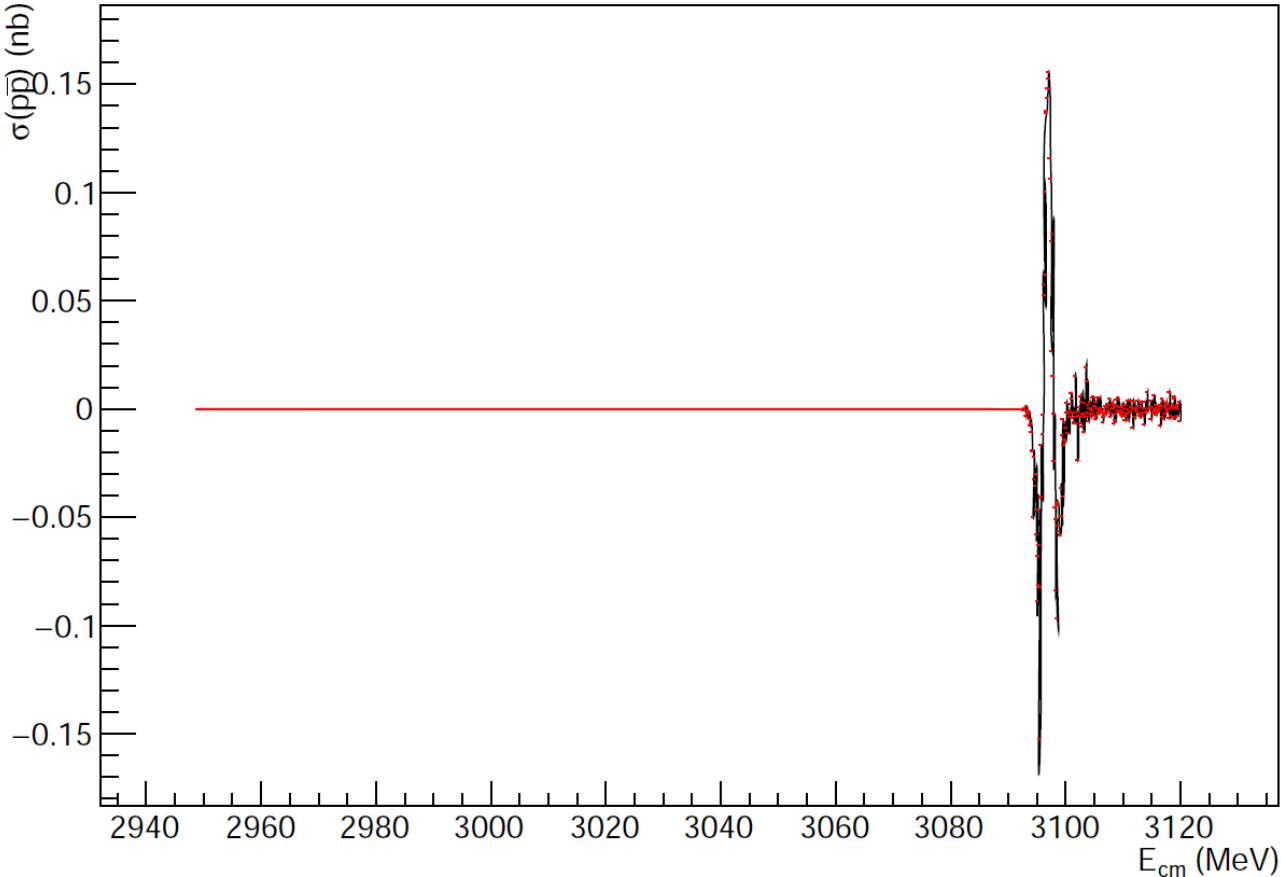
- use a different name

- include the efficiencies (I have only geometrical)

Plot with cross sections plus error bars without fit: priority 25

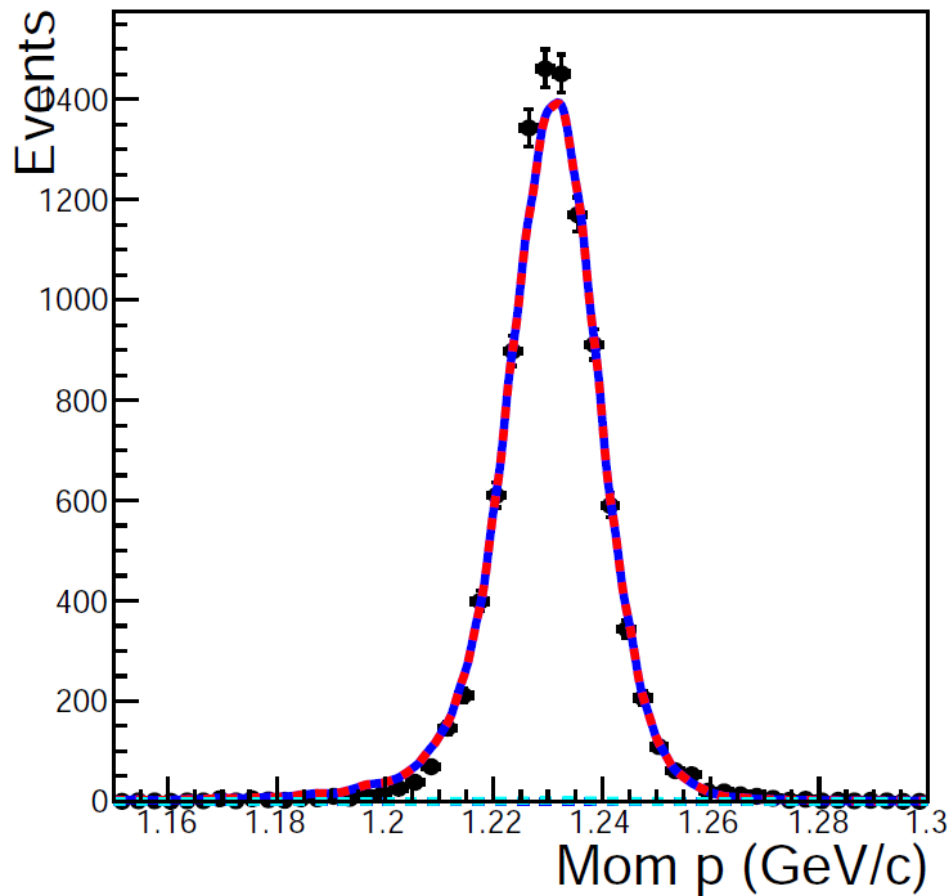
Extra requests: evaluate strong and EM amplitudes: done

Gradient +90 -90

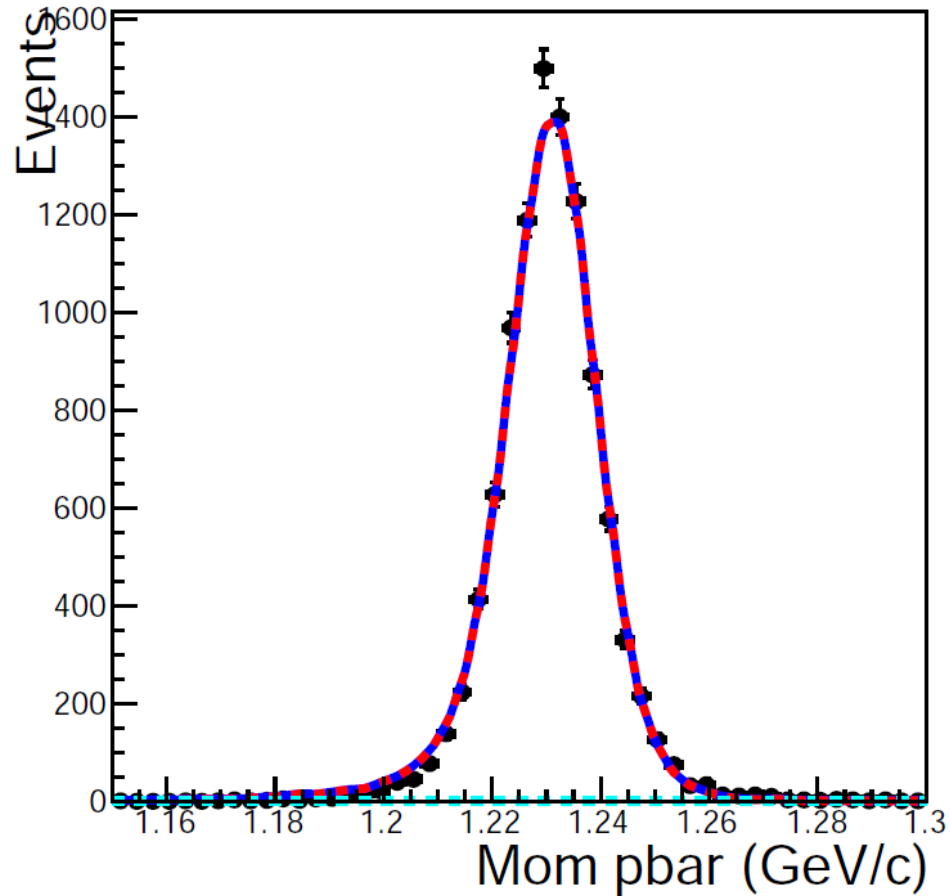


Mcshape fit at J/psi peak (full)

p

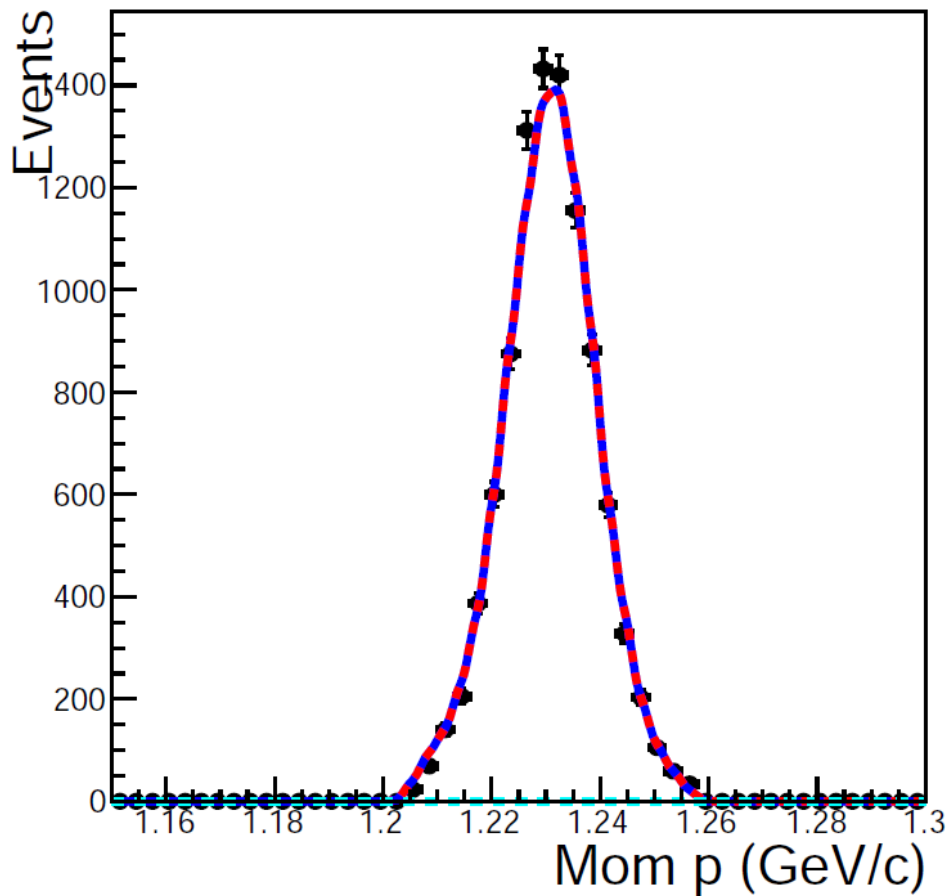


pbar

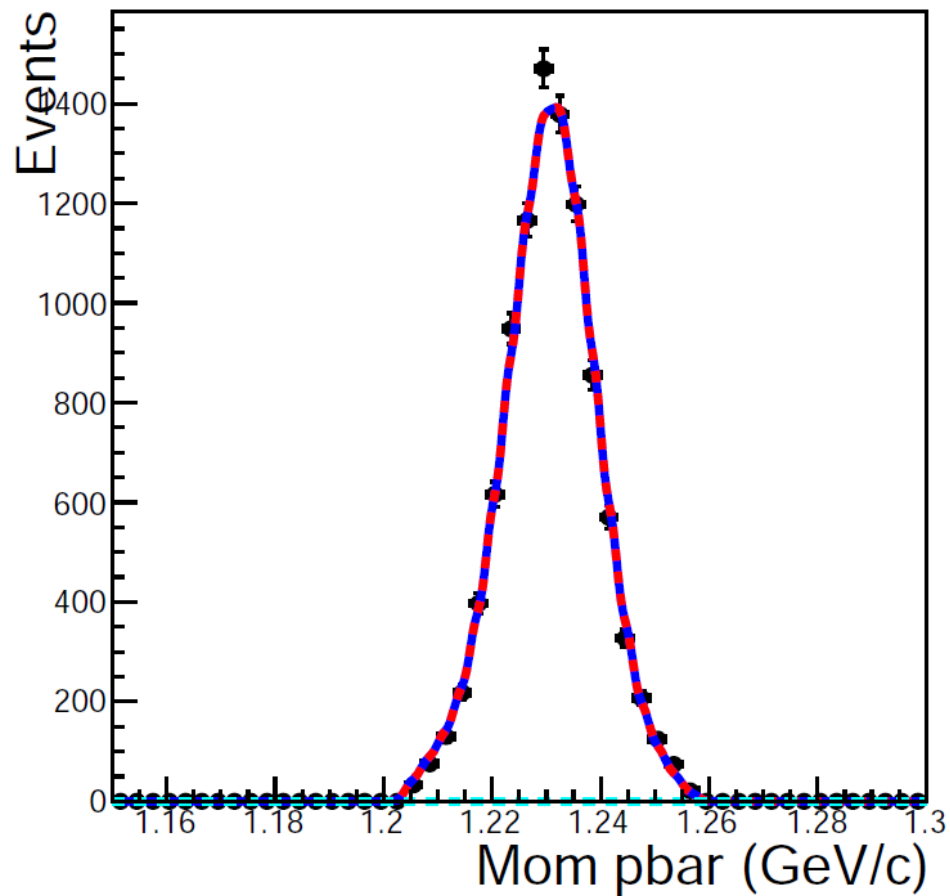


Mcshape fit at J/psi peak (cut)

p



pbar



Mcshape fit results

Energy	Nev (50)	e_Nev (50)	Nev (20)	e_Nev (20)	Diff.	Param	Integral
3000.0	79	9	79	9	0	86	77
3020.0	83	9	85	9	-2.63716	90	79
3050.0	74	9	74	9	-0.0173264	85	73
3060.0	65	8	65	8	0	75	65
3085.6	81	9	81	9	-0.0280991	91	81
3080.0	571	24	571	24	0	630	547
3083.0	20	4	20	4	-0.0008411	24	18
3090.0	107	10	107	10	0.0480804	110	103
3093.0	175	13	175	13	0	184	169
3094.3	481	22	481	22	0	510	469
3095.2	2009	45	2009	45	0	2084	1936
3095.8	5647	75	5647	75	0	5942	5503
3096.6	9739	99	9739	99	0.15918	10232	9582
3098.2	4740	69	4740	69	-0.276855	4978	4672
3099.0	695	26	695	26	0.0459595	725	676
3101.5	364	19	365	19	-1.04239	376	354
3105.5	265	16	265	16	0.037323	280	265
3112.0	117	11	117	11	0.0162659	122	117
3120.0	70	8	70	8	-0.0136337	71	69

Mcshape fit

How to consider the momentum cuts?

Should I use the full or the cut version?

Should I use the parameter number or the integral?

In few cases probably the fit could be optimized.