

ID	Task Name	Qtr 3, 2001				Qtr 4, 2001			Qtr 1, 2002			Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003	
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
1	Additional tools for tracking with collimators and imperfect																					
2	Irregular beam loss and failure scenarios																					
3	Showering studies and heat maps																					
4	BLM studies for the old system																					
5	Analysis of asynchronous firing of beam dump																					
6	Expected beam loss during injection (oscillations)																					
7	Dynamic effects during ramp and squeeze																					
8	Insertion design with longer collimators																					
9	Orbit stability during ramp and squeeze																					
10	Move beam instead of collimators? Possible? Implications																					
11	Impact of showers on BPM accuracy in collimation region																					
12	Operational constraints on collimator design																					
13	RF timing failures																					
14	Beam loss due to RF ripple																					
15	Discarding protons in the abort gap																					
16	Halo population and diffusion speed																					
17	Collimator specifications based on expected beam losses																					
18	Set-up of tools for damage prediction																					
19	CERN meeting on Collimators and Beam absorbers																					
20	Conceptual design of an improved collimation system																					
21	Radiological aspects and constraints																					
22	Prediction of collimator heating																					
23	Prediction of collimator damage																					
24	Impedance constraints																					
25	Matching and re-design of cleaning insertions																					
26	First technical design of improved collimators																					

Continuing work with present system

Input for a new conceptual design for an improved collimation system and subsequent optimization.

Towards a first new conceptual design











Project: bcsq2 Date: Thu 12/6/01	Task		Rolled Up Task		External Tasks	
	Progress		Rolled Up Milestone		Project Summary	
	Milestone		Rolled Up Progress		Group By Summary	
	Summary		Split			

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27	Impedance review																								
28	Cleaning efficiency for the new system																								
29	Detailed prediction of activation in cleaning insertions																								
30	Response of new collimation to irregular beam loss and fai																								
31	Operation with the new system																								
32	Use of quadrupolar BPM's																								
33	Showering in the new collimator system																								
34	Beam loss monitor signals																								
35	Detailed design of collimators (incl feedback from detailed																								
36	Experimental tests of collimator design																								
37	Impedance review																								
38	Use of crystals																								
39	Machine experiments																								
40	Catastrophic beam loss scenario																								
41	Measure tertiary halo in collimation section directly																								

Detailed checks on the new system and feedback on required design

RA - R. Assmann SL/AP
 IB - I. Baishev IHEP
 DB - D. Brandt SL/AP (impedance)
 GB - G. Burtin SL/BI
 MB - M. Brugger TIS/RP
 HB - H. Burkhardt SL/AP
 BD - B. Dehning SL/BI
 CF - C. Fischer SL/BI
 EG - E. Gschwendtner SL/BI
 MH - M. Hayes SL/AP
 JBJ - J.B. Jeanneret SL/AP
 RJ - R. Jung SL/BI
 VK - V. Kain AC/TCP
 DK - D. Kaltchev TRIUMF
 ML - M. Lamont SL/OP
 YL - Y. Luo SL/AP
 FS - F. Schmidt SL/AP
 RS - R. Schmidt AC/TCP
 AV - A. Verdier SL/AP
 LV - L. Vos SL/AP (impedance)
 JW - J. Wenninger SL/OP

Project: bcsg2
Date: Thu 12/6/01

Task		Rolled Up Task		External Tasks	
Progress		Rolled Up Milestone		Project Summary	
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Summary		Split	