

Nr.	Task Name	Time	FTE	Dependency	Contact	Comment	J1		J2		Q1
							Q1	Q3	Q1	Q3	
1	Panda MVD	2420 Tage?	430,5 Monate		Torino/Jülich						
2	Pixel part	2180 Tage?	13,5 Monate		Torino/Jülich						
3	Module concept	1 Tag?	0 Monate		Torino	EPI pending					
4	Sensor	870 Tage	0 Monate								
5	Single Chip Sensor	330 Tage	0 Monate								
6	Design	180 Tage	0 Monate								
7	Production	90 Tage	0 Monate	6							
8	Test	60 Tage	0 Monate	7							
9	Fullsize Prototype Sensor	330 Tage	0 Monate								
10	Design	180 Tage	0 Monate	8							
11	Production	90 Tage	0 Monate	10							
12	Test	60 Tage	0 Monate	11							
13	Production	210 Tage	0 Monate								
14	Production	180 Tage	0 Monate	12							
15	Testing / Cataloging	180 Tage	0 Monate	14AA+30 Tage							
16	Front-End ASIC	1540 Tage?	13,5 Monate		Torino						
17	ToPix3	490 Tage	0 Monate								
18	Design	200 Tage	0 Monate								
19	Production	90 Tage	0 Monate	18							
20	Test	200 Tage	0 Monate	19							
21	Radiation test	100 Tage	0 Monate								
22	Fullsize Prototype	840 Tage	13,5 Monate	20							
23	Design	240 Tage	12 Monate								
24	Production	90 Tage	0 Monate	23							
25	Chip tests	150 Tage	0 Monate	24							
26	Wafer tests	360 Tage	1,5 Monate	25							
27	2nd iteration (optional)	1 Tag?	0 Monate								
28	Production	210 Tage	0 Monate	22							
29	Production	180 Tage	0 Monate								
30	Testing / Cataloging	180 Tage	0 Monate	29AA+30 Tage							
31	Controller Chip	520 Tage	0 Monate		Torino						
32	Concept	30 Tage	0 Monate	20							
33	Design	200 Tage	0 Monate	32							
34	Prototype	90 Tage	0 Monate	33							
35	Production	200 Tage	0 Monate	34							
36	Module Bus (Flex Hybrid)	360 Tage	0 Monate		Torino/Jülich						
37	Design	180 Tage	0 Monate	23							
38	Test	60 Tage	0 Monate	37							
39	Production	120 Tage	0 Monate	38							
40	Hybridisation	1180 Tage	0 Monate		Torino						
41	FE Wafer thinning	180 Tage	0 Monate	30AA+30 Tage							
42	Connection FE/Sensor	720 Tage	0 Monate	ge;15AA+30 Tage							
43	Connection Controller/Bus	180 Tage	0 Monate	ge;39AA+30 Tage							
44	Connection Bus/Sensor	720 Tage	0 Monate	42AA+30 Tage							
45	Connection Cable/Bus	720 Tage	0 Monate	44AA+10 Tage							
46	Mounting	210 Tage	0 Monate		Torino/Jülich						
47	stave assembly	180 Tage	0 Monate	5AA+30 Tage;139							

Nr.	Task Name	Time	FTE	Dependency	Contact	Comment	J1		J2		Q1
							Q1	Q3	Q1	Q3	
142	Tool development and production	120 Tage	0 Monate	141			█				
143	Prototype	60 Tage	0 Monate	142				█			
144	Test	60 Tage	0 Monate	143					█		
145	Production	120 Tage	0 Monate	144						█	
146	Local Strip Barrel Support / Cooling	550 Tage	0 Monate		Jülich / Bonn		▶				
147	Design	30 Tage	0 Monate				█				
148	Tool development and production	180 Tage	0 Monate	147			█				
149	Prototype	100 Tage	0 Monate	148				█			
150	Test	60 Tage	0 Monate	149					█		
151	Production	180 Tage	0 Monate	150						█	
152	Local Strip Disks Support / Cooling	690 Tage	33 Monate		Rosatom		▶				
153	Design	120 Tage	6 Monate				█				
154	Tool development and production	240 Tage	0 Monate	153				█			
155	Prototype	120 Tage	12 Monate	154					█		
156	Test	60 Tage	3 Monate	155						█	
157	Production	150 Tage	12 Monate	156							█
158	Additional Disks	120 Tage	0 Monate		Rosatom		█				
159	Cooling	360 Tage	0 Monate		all		▶				
160	Pixel Pipes	360 Tage	0 Monate				█				
161	Pixel Manifolds	360 Tage	0 Monate				█				
162	Strip Pipes	360 Tage	0 Monate				█				
163	Strip Manifolds	360 Tage	0 Monate				█				
164	Cooling plant	360 Tage	0 Monate				█				
165	DCS	720 Tage	0 Monate		Jülich(ZEL) / Bonn roup / Dan P.		█				
166	Mounting	360 Tage	0 Monate				▶				
167	MVD mounting	180 Tage	0 Monate	46;128							
168	MVD installation	180 Tage	0 Monate	167							
169	Commissioning	360 Tage	0 Monate	168	all						
170	Milestones	1 Tag?	0 Monate				█				







