

Model assumptions			
$\mathcal{L}$ [cm <sup>-2</sup> s <sup>-1</sup> ]		2 × 10 <sup>33</sup>	
Pileup		6	
Running time [s]		5 × 10 <sup>6</sup> (2.5 × 10 <sup>6</sup> in 2021)	
Output bandwidth (GB/s)		10	
Fraction of Turbo events		73%	
Ratio Turbo/FULL event size		16.7%	
Ratio full/fast/param. simulations		40:40:20	
Data replicas on tape		2	
Data replicas on disk		2 (Turbo); 3 (FULL, TurCal)	
Resource requirements			
WLCG Year	Disk (PB)	Tape (PB)	CPU (kHS06)
2021	66	142	863
2022	111	243	1.579
2023	159	345	2.753
2024	165	348	3.467
2025	171	351	3.267