

GRIDPP - UK Tier 1 Experiment Requests: 2023

Q422 data

**UK Tier 1 Requests - 2023**  
**CPU (HEPSPEC06)**

VO requirements

	Average Usage last quarter	Alloc	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Apr 2023	WLCG 2021 pledge	WLCG 2022 pledge	WLCG 2023 pledge	
ALICE	24719	14940	14940	14940	14940	17071	17071	17071	17071	17071	17071	17071	17071	17071	17071	14940	14940	17071	
ATLAS	257287	192557	192557	192557	192557	215507	215507	215507	215507	215507	215507	215507	215507	215507	215507	173160	192557	215507	
CMS	144230	52000	52000	52000	52000	62800	62800	62800	62800	62800	62800	62800	62800	62800	62800	52000	52000	62800	
LHCb	231329	146665	146665	146665	146665	180691	180691	180691	180691	180691	180691	180691	180691	180691	180691	129150	146665	180691	
DUNE	1323	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000			
NA62	4545	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000			
LSST	1	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000			
Allocation for remaining non-lhc		31801.1	31801	31801	31801	40889	40889	40889	40889	40889	40889	40889	40889	40889	40889	40889			
<b>TOTAL</b>	<b>663433</b>	<b>458963</b>	<b>458963</b>	<b>458963</b>	<b>458963</b>	<b>537958</b>	<b>537958</b>	<b>537958</b>	<b>537958</b>	<b>537958</b>	<b>537958</b>	<b>537957.97</b>	<b>537958</b>	<b>537958</b>	<b>537958</b>	<b>369250</b>	<b>406162</b>	<b>476069</b>	
LCG Total	657565	406162	406162	406162	406162	476069	476069	476069	476069	476069	476069	476069	476069	476069	476069				
Sum of Non-LHC	4545	52801	52801	52801	52801	61889	61889	61889	61889	61889	61889	61889	61889	61889	61889				
Overhead		18359	18359	18359	18359	21518	21518	21518	21518	21518	21518	21518	21518	21518	21518				
CURR CAPACITY	710000	710000	710000	710000	710000	690000	690000	690000	690000	690000	690000	690000	690000	690000	690000				
HEADROOM	46567	232678	232678	232678	232678	130524	130524	130524	130524	130524	130524	130524	130524	130524	130524				

NA62 agreed new allocation Nov 21  
LSST no formal request currently (Dec 2020).  
(Includes LIGO?, SKATElescope...)

Usually 5% - set to zero for now  
Estimated Capacity dependant on

**UK Tier 1 Requests - 2023**  
**DISK(TeraBytes)**

		Dec 22 Used	Alloc	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	95% of pledge into disk for each VO. 5% of pledge into tape buffers	WLCG 21 Pledge	WLCG 2022 Pledge	WLCG 2023 pledge
ALICE		658	1646	1646	1646	1646	1923	1923	1923	1923	1923	1923	1923	1923	1923	1519	1599	1646	1923
ATLAS		16896	17182	17182	17182	17182	20768	20768	20768	20768	20768	20768	20768	20768	20768	14763	15540	17182	20768
CMS		4865	5440	5440	5440	5440	7484	7484	7484	7484	7484	7484	7484	7484	7484	5168	5440	5440	7484
LHCb		7713	12474	12474	12474	12474	15720	15720	15720	15720	15720	15720	15720	15720	15720	8037	8460	12474	15720
GridPP Non-LHC VOs		0	1470	1470	1470	1470	1836	1836	1836	1836	1836	1836	1836	1836	1836				
<b>IRIS Funded</b>			8300																
<i>Dune (IRIS sub allocation)</i>		993	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000				
<i>DLS (IRIS sub allocation)</i>		153	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000				
LSST		1	4250	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000	9000				
RFI		345.0	6000	6000	6000	6000	7000	7000	7000	7000	7000	7000	7000	7000	7000				
LCG Total	0	30132	36742	36742	36742	36742	45895	45895	45895	45895	45895	45895	45895	45895	45895			36742	45895
<b>Echo TOTAL Allocated</b>				52212	52212	52212	61731	61731	61731	61731	61731	61731	61731	61731	61731	31039		36742	45895
Echo CURR CAPACITY				65700	65700	65700	72000	72000	72000	72000	72000	72000	72000	72000	72000				
Echo HEADROOM				13488	13488	13488	10269	10269	10269	10269	10269	10269	10269	10269	10269				

*Need to check the total allocatable*

Request to expand this out for ma

1563.7  
16322.9  
5168  
11850.3  
1837.1

**UK Tier 1 Requests - 2023**  
**TAPE(TeraBytes)**

	Dec 22 Used	Alloc	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Apr 2023	WLCG 21 Pledge	WLCG 2022 Pledge	WLCG 2023 pledge
ALICE	882	1885	1885	1885	1885	2504	2504	2504	2504	2504	2504	2504	2504	2504	2504	1710	1885	2504
ATLAS	40430	40289	40289	40289	40289	52981	52981	52981	52981	52981	52981	52981	52981	52981	52981	34780	40289	52981
CMS	14090	20600	20600	20600	20600	24528	24528	24528	24528	24528	24528	24528	24528	24528	24528	17600	17600	24528
LHCb	14550	32776	32776	32776	32776	39937	39937	39937	39937	39937	39937	39937	39937	39937	39937	17077.5	32776	39937
ILC	216	400	400	400	400	400	400	400	400	400	400	400	400	400	400			
MICE	62	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
NA62	7910	7700	7700	7700	7700	9900	9900	9900	9900	9900	9900	9900	9900	9900	9900			
T2K	654	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300			
MINOS	0	20	20	20	20	20	20	20	20	20	20	20	20	20	20			
SOLID	1700	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000			
SNO+	457	500	500	500	500	500	500	500	500	500	500	500	500	500	500			
DIRAC	2610	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000			
TOTAL	83561	110570	110570	110570	110570	137170	137170	137170	137170	137170	137170	137170	137170	137170	137170			
LCG Total	69952	95550	95550	95550	95550	119950	119950	119950	119950	119950	119950	119950	119950	119950	119950			
Non-LHC Total	13609	15020	15020	15020	15020	17220	17220	17220	17220	17220	17220	17220	17220	17220	17220			
Percentage non-LHC	19%	16%	16%	16%	16%	14%	14%	14%	14%	14%	14%	14%	14%	14%	14%	71168	92550	119950
CURR CAPACITY	97200	121740	121740	121740	121740	152000	152000	152000	152000	152000	152000	152000	152000	152000	152000			
HEADROOM	13639.0	11170.0	11170.0	11170.0	11170.0	14830.0	14830.0	14830.0	14830.0	14830.0	14830.0	14830.0	14830.0	14830.0	14830.0			

Note increased allocation (over the pledge value agreed by the PMB Nov 2015)

Agreed increase in CMS Tape allocation to 20600 for FY21/22 knowing FY23 pledge

New allocation 7.7PB Apr 22

Raised to 2000 from April  
Raising SNO+ to 500 inline with usage

Notes:

- 1. WLCG pledges to be taken from CRIC