

GRIDPP - UK Tier 1 Experiment Requests: 2022

Q122 data

**UK Tier 1 Requests - 2022**  
**CPU (HEPSPEC06)**

	Average Usage last quarter	Alloc	VO requirements													WLCG 2021 pledge	WLCG 2022 pledge						
			Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr 2022								
<b>ALICE</b>	5681	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	14940	
<b>ATLAS</b>	145033	173160	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557	192557
<b>CMS</b>	89545	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000	52000
<b>LHCb</b>	166091	129150	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665	146665
<b>DUNE</b>	5147	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
<b>NA62</b>	965	2000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
<b>LSST</b>	1	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
<b>Allocation for remaining non-lhc</b>		35002.5	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801	31801
<b>TOTAL</b>	412462	417253	458963	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1	458963.1
LCG Total	406350	369250	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162	406162
Sum of Non-LHC	965	48003	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801	52801
Overhead		16690	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359	18359
<b>CURR CAPACITY</b>	517335	517335	517335	517335	517335	594191	594191	594191	594191	594191	594191	594191	594191	594191	594191	594191	594191	594191	594191	594191	594191	594191	594191
<b>HEADROOM</b>	104873	83392	40013	40013	40013	116869	116869	116869	116869	116869	116869	116869	116869	116869	116869	116869	116869	116869	116869	116869	116869	116869	116869

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 - 2022  
DISK(TeraBytes)**

		Apr 22 Used	Alloc	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	95% of pledge into disk for each VO. 5% of pledge into tape buffers	WLCG 21 Pledge	WLCG 2022 Pledge
ALICE		639	1599	1646	1646	1646	1646	1646	1646	1646	1646	1646	1646	1646	1646	1519	1599	1646
ATLAS		16060	15540	17182	17182	17182	17182	17182	17182	17182	17182	17182	17182	17182	17182	14763	15540	17182
CMS		4806	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5440	5168	5440	5440
LHCb		7643	8460	12474	12474	12474	12474	12474	12474	12474	12474	12474	12474	12474	12474	8037	8460	12474
GridPP Non-LHC VOs			1242	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470			
Dune		1113																
LSST		109.0																
Non GridPP Communities Allocation (IRIS)				18500	18500	18500	18500	18500	18500	18500	18500	18500	18500	18500	18500			
LCG Total	0	30261	31039	36742	36742	36742	36742	36742	36742	36742	36742	36742	36742	36742	36742		31039	36742
Echo TOTAL Allocated				56712	56712	56712	56712	56712	56712	56712	56712	56712	56712	56712	56712			
Echo CURR CAPACITY				65700	65700	65700	65700	65700	65700	65700	65700	65700	65700	65700	65700			
Echo HEADROOM				8988	8988	8988	8988	8988	8988	8988	8988	8988	8988	8988	8988			

*Need to check the total allocatable*

Request to expand this out for mai

1837.1

1563.7  
16322.9  
5168  
11850.3

**UK Tier 1 Requests - 2022  
TAPE(TeraBytes)**

	Apr 22 Used	Alloc	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Apr 2022	WLCG 21 Pledge	WLCG 2022 Pledge
ALICE	882	1131	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1890	1710	1885
ATLAS	25658	40289	40289	40289	40289	40289	40289	40289	40289	40289	40289	40289	40289	40289	40256	34780	40289
CMS	17362	20600	20600	20600	20600	20600	20600	20600	20600	20600	20600	20600	20600	20600	17600	17600	17600
LHCb	13082	17078	32776	32776	32776	32776	32776	32776	32776	32776	32776	32776	32776	32776	32804	17077.5	32776
ILC	216	400	400	400	400	400	400	400	400	400	400	400	400	400	400		
MICE	80	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
NA62	5987	5500	7700	7700	7700	7700	7700	7700	7700	7700	7700	7700	7700	7700	7700		
T2K	655	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300	1300		
MINOS	12	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
SOLID	1205	1500	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000		
SNO+	255	300	500	500	500	500	500	500	500	500	500	500	500	500	500		
DIRAC	2605	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000		
<b>TOTAL</b>	<b>67999</b>	<b>91218</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>110570</b>	<b>107570</b>		
LCG Total	56984	79098	95550	95550	95550	95550	95550	95550	95550	95550	95550	95550	95550	95550	92550		
Non-LHC Total	11015	12120	15020	15020	15020	15020	15020	15020	15020	15020	15020	15020	15020	15020	15020.0		
Percentage non-LHC	19%	15%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	16%	71168	
<b>CURR CAPACITY</b>	<b>97200</b>	<b>97200</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>	<b>121740</b>		
<b>HEADROOM</b>	<b>29201.2</b>	<b>5982.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>11170.0</b>	<b>14170.0</b>		

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