

DarkSide Curren	t							DS Layout	-All Currencie	s						11-May-1
ty ID	Activity Name	Original Start Duration	Finish	Global Labor Cost Glol	oal Non Labor Cost [USD]	Global Total Cost [USD]	Labor Cost USA [USD]		Fotal Cost USA Lai	bor Cost Non Labor C			Non Labor Cost Total Co UK [GBP] UK [GB	st 2017		2019 2020 2021 Q Q Q Q Q Q Q Q Q Q Q
DS-200060	Safety Oversight for FY21	250 01-Oct-20	30-Sep-21	\$189,473.95	\$0.00	\$189,473.95	\$189,473.95	\$0.00	\$189,473.95		0.00	0.00	0.0		الم الم الم الم	
DS-200070	Travel for FY21	250 01-Oct-20	30-Sep-21	\$0.00	\$19,122.64	\$19,122.64	\$0.00	\$19,122.64	\$19,122.64		0.00	0.00	0.0	0		
DS-1113420	Steering Module preproduction	152 31-Oct-20*	31-Mar-21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00	0.00	0.0	0		
DS-1113421	Printed circuit boards		31-Mar-21	\$0.00	\$2,000.00	\$2,000.00	\$0.00		\$2,000.00		0.00	0.00	0.0	— i i i i i i		
DS-1113422	Run - preproduction	152 31-Oct-20*	31-Mar-21	\$0.00	\$4,000.00	\$4,000.00	\$0.00		\$4,000.00		0.00	0.00	0.0	—1: I : : : I		
DS-1113423	Argon for cryogenics test		31-Mar-21	\$0.00	\$1,000.00	\$1,000.00	\$0.00	111	\$1,000.00		0.00	0.00	0.0			
DS-1113430	Steering module Production		31-Dec-21	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00		0.00	0.00	0.0	— i i i i i		
DS-1113431	Substrates		31-Dec-21	\$0.00	\$8,000.00	\$8,000.00	\$0.00		\$8,000.00		0.00	0.00	0.0	—1: l : : : l		
DS-1113432	Printed circuit boards		31-Dec-21	\$0.00	\$9,000.00	\$9,000.00	\$0.00		\$9,000.00		0.00	0.00	0.0	— i i i i l		
DS-1113433	Run-production		31-Dec-21	\$0.00	\$170,000.00	\$170,000.00	\$0.00		\$170,000.00		0.00	0.00	0.0	<u> </u>		
DS-1113434 DS-1113435	Material burden		31-Dec-21	\$0.00 \$500,000.00	\$15,000.00	\$15,000.00	\$0.00		\$15,000.00		0.00	0.00	0.0			
DS-1113435 DS-200650	Steering module production labor	365 01-Jan-21* 251 14-Sep-21	31-Dec-21 14-Sep-22	\$436,223.96	\$0.00 \$0.00	\$500,000.00 \$436,223.96		\$0.00 \$0.00	\$500,000.00 \$436,223.96		0.00	0.00	0.0			
DS-200690	Field Operations Engineering Support	251 14-Sep-21*	14-Sep-22 14-Sep-22	\$1,570,406.26	\$0.00	\$1,570,406.26			\$1,570,406.26		0.00	0.00	0.0	— t		
DS-200690 DS-200710	Plant Operations Support Utilities, Consumables and Plant Maintenance	251 14-Sep-21 251 14-Sep-21	14-Sep-22 14-Sep-22	\$1,570,406.26	\$5,274,255.26	\$5,274,255.26		\$5,274,255.26			0.00	0.00	0.0	— i i i i i i		
DS-200710 DS-200080	Project Management for FY22	250 01-Oct-21	30-Sep-22	\$351,363.55	\$0.00	\$351,363.55					0.00	0.00	0.0	—I: : : :		
DS-200080 DS-200090	Project Controls for FY22	250 01-Oct-21	30-Sep-22	\$90,258.05	\$0.00	\$90,258.05		\$0.00	\$90,258.05		0.00	0.00	0.0			····
DS-200100	Safety Oversight for FY22	250 01-Oct-21	30-Sep-22	\$195,347.64	\$0.00	\$195,347.64		\$0.00	\$195,347.64		0.00	0.00	0.0	—1:		
DS-200110	Travel for FY22	250 01-Oct-21	30-Sep-22	\$0.00	\$19,562.46	\$19,562.46	\$0.00		\$19,562.46		0.00	0.00	0.0			
Carleton		1697 01-Jan-16	13-Oct-22	\$616,000.00	\$2,710,400.00	\$3,326,400.00	\$0.00			3872000		0.00 0.00 0.00 0.00			1 1 1 1	
	0.000															
DS-412500	Storage @ LNGS		01-Jan-16	\$0.00	\$320,600.00	\$320,600.00	\$0.00		\$0.00	458000		0.00	0.0		<u> </u>	<u>i</u> iiiiiiiiiiii
DS-200600	Procure gas analysis instrumentation		22-Jul-19	\$0.00	\$160,300.00	\$160,300.00	\$0.00		\$0.00	229000		0.00	0.0	—ii i i i i		
DS-200610	PI for 2.02.05 QA/QC Inst Installation	1086 24-Sep-18*	13-Sep-21	\$246,400.00	\$0.00	\$246,400.00	\$0.00		-	52000.00	352000.00	0.00	0.0	—: : : : I		
DS-327	Acrylic machining		30-Apr-19	\$0.00	\$1,400.00	\$1,400.00	\$0.00		\$0.00	2000		0.00	0.0			
DS-328 DS-200830	Clean TPB-coatings Procurement of shipping vessels 1-2		01-Jul-19 28-Feb-21	\$0.00 \$0.00	\$1,400.00 \$420,000.00	\$1,400.00 \$420,000.00	\$0.00 \$0.00		\$0.00 \$0.00	2000 600000		0.00	0.0	_: : : : :		<u></u>
DS-200830 DS-200840	Procurement of shipping vessels 1-2 Procurement of shipping vessel filling equipment	602 08-Jul-19* 602 08-Jul-19*	28-Feb-21 28-Feb-21	\$0.00	\$420,000.00	\$420,000.00	\$0.00		\$0.00	70000		0.00	0.0			
DS-200850	PI for 2.04.01 Shipping and Storage Vessels Procuremen	796 08-Jul-19*	10-Sep-21	\$0.00	\$49,000.00	\$0.00	\$0.00	-	\$0.00	70000	0.00	0.00	0.0	— i		
DS-200820	PI for 2.04 Storage and Shipping	1194 08-Jul-19*	13-Oct-22	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00		0.00	0.00	0.0			
DS-200620 DS-200620	Installation and characterization of gas analysis instrumer	537 23-Jul-19	13-Sep-21	\$0.00	\$72,100.00	\$72,100.00	\$0.00		\$0.00	103000		0.00	0.0			
DS-200330	Process Engineering Support	485 04-Oct-19*	13-Sep-21	\$246,400.00	\$0.00	\$246,400.00	\$0.00	-	\$0.00		352000.00	0.00	0.0	— i i i i i		
DS-329	Acrylic machining radio-pure	31 30-Nov-19*	30-Dec-19	\$0.00	\$1,400.00	\$1,400.00	\$0.00		\$0.00	2000		0.00	0.0			
DS-330	Clean TPB-coatings radio-pure		30-Jan-20	\$0.00	\$1,400.00	\$1,400.00	\$0.00	-	\$0.00	2000		0.00	0.0	— i i i i i i		-:: T ::::::::::::::::::::::::::::::::::
DS-200860	Procurement of shipping vessels 3-5	296 01-Mar-21	21-Dec-21	\$0.00	\$630,000.00	\$630,000.00	\$0.00		\$0.00	900000		0.00	0.0	—I: : : :		
DS-200670	Process Engineer	251 14-Sep-21	14-Sep-22	\$123,200.00	\$0.00	\$123,200.00	\$0.00	-		76000.00	176000.00	0.00	0.0			
DS-200700	Precision gas analysis	251 14-Sep-21*	14-Sep-22	\$0.00	\$69,300.00	\$69,300.00	\$0.00		\$0.00	99000		0.00	0.0	_: : : : :		
DS-200880	PI for 2.04.04 Ship Product	365 14-Oct-21*	13-Oct-22	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	00000	0.00	0.00	0.0			·
DS-200890	Shipment of first batch to Sardinia	42 25-Oct-21*	05-Dec-21	\$0.00	\$44,187.50	\$44,187.50	\$0.00		\$0.00	63125		0.00	0.0			
DS-200900	Shipment of Second batch to Sardinia	42 07-Dec-21	17-Jan-22	\$0.00	\$44,187.50	\$44,187.50	\$0.00		\$0.00	63125		0.00	0.0	—: : : : I		-
DS-200870	Procurement of shipping vessels 6-8	296 22-Dec-21	13-Oct-22	\$0.00	\$630,000.00	\$630,000.00	\$0.00		\$0.00	900000		0.00	0.0			
DS-200910	Shipment of third batch to Sardinia	42 18-Jan-22	28-Feb-22	\$0.00	\$44,187.50	\$44,187.50	\$0.00		\$0.00	63125		0.00	0.0	— i i i i l		-
DS-200920	Shipment of fourth batch to Sardinia	42 01-Mar-22	11-Apr-22	\$0.00	\$44,187.50	\$44,187.50	\$0.00	\$0.00	\$0.00	63125	00 63125.00	0.00	0.0	0		
DS-200930	Shipment of fifth batch to Sardinia	42 12-Apr-22	23-May-22	\$0.00	\$44,187.50	\$44,187.50	\$0.00	\$0.00	\$0.00	63125	00 63125.00	0.00	0.0	0		
DS-200940	Shipment of sixth batch to Sardinia	42 24-May-22	04-Jul-22	\$0.00	\$44,187.50	\$44,187.50	\$0.00	\$0.00	\$0.00	63125	00 63125.00	0.00	0.0	0		
DS-200950	Shipment of seventh batch to Sardinia	42 05-Jul-22	15-Aug-22	\$0.00	\$44,187.50	\$44,187.50	\$0.00	\$0.00	\$0.00	63125	00 63125.00	0.00	0.0	0		
DS-200960	Shipment of eigth batch to Sardinia	59 16-Aug-22	13-Oct-22	\$0.00	\$44,187.50	\$44,187.50	\$0.00	\$0.00	\$0.00	63125	00 63125.00	0.00	0.0	0		
UMass		1110 01-Jul-19	14-Jul-22	\$361,216.00	\$649,570.00	\$1,010,786.00	\$361,216.00	\$649,570.00	\$1,010,786.00	0.00	0.00	0.00 0.00 0.00	0.00	0		V
DS-124620	SiPM related Interfacing (Integration of the PDM MB asse	1110 01-Jul-19*	14-Jul-22	\$0.00	\$18,000.00	\$18,000.00	\$0.00	\$18,000.00	\$18,000.00		0.00	0.00	0.0	0		
DS-124621	SiPM related Interfacing (Integration of the PDM MB asse	1110 01-Jul-19*	14-Jul-22	\$92,000.00	\$0.00	\$92,000.00			\$92,000.00		0.00	0.00	0.0	— i i i i i		
DS-124640	SiPM related Interfacing (MotherBoard on Support Struct	1110 01-Jul-19*	14-Jul-22	\$0.00	\$23,000.00	\$23,000.00	\$0.00		\$23,000.00		0.00	0.00	0.0			
DS-124641	SiPM related Interfacing (MotherBoard on Support Structi	1110 01-Jul-19*	14-Jul-22	\$95,000.00	\$0.00	\$95,000.00			\$95,000.00		0.00	0.00	0.0			
DS-124660	SiPM related Interfacing (PDM assembly to TPC)	1110 01-Jul-19*	14-Jul-22	\$0.00	\$24,000.00	\$24,000.00	\$0.00		\$24,000.00		0.00	0.00	0.0			
DS-124661	SiPM related Interfacing (PDM assembly to TPC) Labor	1110 01-Jul-19*	14-Jul-22	\$98,000.00	\$0.00	\$98,000.00			\$98,000.00		0.00	0.00	0.0			
DS-1111000	SiPM-Fused Silica	488 01-Sep-19*		\$0.00	\$575,000.00	\$575,000.00	\$0.00		\$575,000.00		0.00	0.00	0.0			
DS-200560	PI for 2.02.03 Plant and Site Integration		23-Aug-21	\$76,216.00	\$9,570.00	\$85,786.00			\$85,786.00		0.00	0.00	0.0			
UH		121 04-Sep-20		\$0.00	\$1,046,000.00	\$1,046,000.00		\$1,046,000.00		0.00		0.00 0.00 0.00 0.00		 i 1 1 1 1		· · · · · · · · · · · · · · · · · · ·
DS-200550	Plant Installation	121 04-Sep-20		\$0.00	\$1,046,000.00	\$1,046,000.00		\$1,046,000.00			0.00	0.00	0.0	0		
	i wiit iiistallatioii	251 14-Sep-21	14-Sep-22	\$144,000.03	\$1,046,000.00	\$1,046,000.00	\$144,000.03		\$1,046,000.00	0.00 0	0.00	0.00 0.00 0.00 0.00		 !		
Fort Lewis										0.00						
DS-200680	Technical Engineer	251 14-Sep-21		\$144,000.03	\$0.00		\$144,000.03		\$144,000.03		0.00	0.00	0.0	_ i i i i		
TBD		456 01-Apr-20	30-Jun-21	\$0.00	\$50,000.00	\$50,000.00	\$0.00	\$50,000.00	\$50,000.00	0.00	0.00	0.00 0.00 0.00	0.00	<u>"</u>		
DS-163000	Slow Control	456 01-Apr-20*	30-Jun-21	\$0.00	\$50,000.00	\$50,000.00	\$0.00	\$50,000.00	\$50,000.00		0.00	0.00	0.0	0		
LNGS		2557 01-Jan-16	31-Dec-22	\$4,611,200.00	\$14,440,800.00	\$19,052,000.00	\$0.00	\$0.00	\$0.00	0.00	0.00 419200	0.00 13128000.00 7320000.00 0.00	0.00	0		
DS-411000	Safety Analysis	1 01-Jan-16*	01-Jan-16	\$0.00	\$55,000.00	\$55,000.00	\$0.00	\$0.00	\$0.00		0.00	50000.00 50000.00	0.0	0		
DS-412000	Facilities	1 01-Jan-16*		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00		0.00	0.00	0.0	— C		
DS-412000 DS-412100	Building	1 01-Jan-16*		\$0.00	\$225,500.00	\$225,500.00	\$0.00		\$0.00		0.00	205000.00 205000.00	0.0			
DS-412100 DS-1113100	FEB prototyping	546 01-Jan-16*		\$0.00	\$225,500.00	\$225,500.00	\$0.00		\$0.00		0.00	75000.00 75000.00	0.0			
DS-1111001	SiPM-R&D	1461 01-Jan-17*		\$0.00	\$121,000.00	\$121,000.00	\$0.00		\$0.00		0.00	110000.00 110000.00	0.0	0	 	
DS-1113300	FEB production -TPC	1826 01-Jan-17*		\$0.00	\$534,600.00	\$534,600.00	\$0.00		\$0.00		0.00	486000.00 486000.00	0.0			
20 1110000	. Es production 11 o	1020 01-0011-17	31 D00-21	ψ0.00	φυστ,υσυ.υσ	ψουτ,υου.υυ	ψ0.00	ψ0.00	ψ0.00		3.00	40000.00	0.0	~	1 1 1 1	
			ritical Dom	naining Work			_		je 2 of 7			TASK filter: All Activitie	_			
Remai	ning Level of Effort Actual Work								n :/ Ot /							

arkSide Curren	t								-All Currencies					11-May
ID	Activity Name	Original Start Duration	Finish	Global Labor Cost Glo	obal Non Labor Cost [USD]	Global Total Cost [USD]	Labor Cost USA (USD)		otal Cost USA Labor Cost [USD] CAN [CAD]	Non Labor Cost Total Cost Labor Cost No CAN [CAD] CAN [CAD] EU [EUR]	on Labor Cost Total Cost EU [EUR] EU [EUR]	Labor Cost No UK [GBP]	n Labor Cost Total Cost UK [GBP] UK [GBP]	2017 2018 2019 2020 2021
DS-1113301	FEB production - consumables	1826 01-Jan-17*	31-Dec-21	\$0.00	\$27,500.00	\$27,500.00	\$0.00		\$0.00	0.00	25000.00 25000.00		0.00	
DS-1113302	FEB production - Veto	1826 01-Jan-17*		\$0.00	\$344,300.00	\$344,300.00	\$0.00		\$0.00	0.00	313000.00 313000.00		0.00	
DS-1112003	Tile and substrates -PCB and components	2007 01-Jan-17*	30-Jun-22	\$0.00	\$695,200.00	\$695,200.00	\$0.00	\$0.00	\$0.00	0.00	632000.00 632000.00		0.00	
DS-1112004	Tile and substrates - Technicians	2007 01-Jan-17*	30-Jun-22	\$140,800.00	\$0.00	\$140,800.00	\$0.00	\$0.00	\$0.00	0.00 128000.00	128000.00		0.00	
DS-1113000	Front-end electronics	2007 01-Jan-17*	30-Jun-22	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	0.00	0.00		0.00	
DS-130300	Spreadsheet and database		30-Jun-21	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	0.00	0.00		0.00	
DS-111700	Optolink -Prototyping and preproduction		31-Dec-20	\$0.00	\$300,300.00	\$300,300.00	\$0.00		\$0.00	0.00	273000.00 273000.00		0.00	
DS-111800	Optolink - TPC, Veto fibers + Optical driver PCB		31-Dec-20	\$0.00	\$3,348,400.00	\$3,348,400.00	\$0.00		\$0.00	0.00	3044000.00 3044000.00		0.00	
DS-111900	Optolink - Receivers and Driver components		31-Dec-20	\$0.00	\$1,955,800.00	\$1,955,800.00	\$0.00		\$0.00	0.00	1778000.00 1778000.00		0.00	
DS-510000	Faculty personnel (PS)		01-Jul-22	\$396,000.00	\$0.00	\$396,000.00	\$0.00		\$0.00	0.00 360000.00	360000.00		0.00	
DS-505000 DS-505001	Mechanical-3D Mechanical-3D		31-Dec-22 31-Dec-22	\$0.00 \$157,300.00	\$268,400.00 \$0.00	\$268,400.00 \$157,300.00	\$0.00 \$0.00		\$0.00 \$0.00	0.00 0.00 143000.00	244000.00 244000.00 143000.00		0.00	
DS-508000	Travels		31-Dec-22	\$0.00	\$66,000.00	\$66,000.00	\$0.00		\$0.00	0.00	60000.00 60000.00		0.00	
DS-3121	Nitrogen Recovery (Stirling) (Inkind)	257 01-Sep-18*	15-May-19	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	0.00	0.00		0.00	
DS-506000	NOA Infrastructures		31-Dec-19	\$0.00	\$220,000.00	\$220,000.00	\$0.00		\$0.00	0.00	200000.00 200000.00		0.00	
DS-507000	Web sie & Outreach		31-Dec-22	\$0.00	\$44,000.00	\$44,000.00	\$0.00		\$0.00	0.00	40000.00 40000.00		0.00	
DS-31341	Fine Tuning System		31-Dec-19	\$0.00	\$66,000.00	\$66,000.00	\$0.00		\$0.00	0.00	60000.00 60000.00		0.00	
DS-326	Front-end DART	31 30-Apr-19*	30-May-19	\$0.00	\$11,000.00	\$11,000.00	\$0.00		\$0.00	0.00	10000.00 10000.00		0.00	
DS-3136	Nitrogen Storage for Seruci-1	335 01-Jul-19*	30-May-20	\$0.00	\$209,000.00	\$209,000.00	\$0.00	\$0.00	\$0.00	0.00	190000.00 190000.00		0.00	
DS-509000	Administrative personnel	1097 01-Jul-19*	01-Jul-22	\$140,800.00	\$0.00	\$140,800.00	\$0.00	\$0.00	\$0.00	0.00 128000.00	128000.00		0.00	
DS-3131	Piller (UPS)	1 01-Sep-19*	01-Sep-19	\$0.00	\$605,000.00	\$605,000.00	\$0.00	\$0.00	\$0.00	0.00	550000.00 550000.00		0.00	
DS-3132	Cables and Installation for Seruci-1	1 01-Sep-19*	01-Sep-19	\$0.00	\$66,000.00	\$66,000.00	\$0.00	\$0.00	\$0.00	0.00	60000.00 60000.00		0.00	
DS-504000	LA-ICPMS	1 01-Oct-19*	01-Oct-19	\$157,300.00	\$0.00	\$157,300.00	\$0.00	\$0.00	\$0.00	0.00 143000.00	143000.00		0.00	
DS-3137	Water Cooling System for Seruci-1 (Vacuum system)	213 01-Oct-19*	30-Apr-20	\$0.00	\$40,700.00	\$40,700.00	\$0.00	\$0.00	\$0.00	0.00	37000.00 37000.00		0.00	
DS-502000	Packaging facility, housing, refurbishing, gas and electricit	1096 01-Oct-19*	30-Sep-22	\$0.00	\$2,665,300.00	\$2,665,300.00	\$0.00	\$0.00	\$0.00	0.00	2423000.00 2423000.00		0.00	
DS-511000	Faculty personnel, engineers, technicians	1188 01-Oct-19*	31-Dec-22	\$3,619,000.00	\$0.00	\$3,619,000.00	\$0.00	\$0.00	\$0.00	0.00 3290000.00	3290000.00		0.00	
DS-1113200	FEB preproduction	639 01-Jan-20*	30-Sep-21	\$0.00	\$36,300.00	\$36,300.00	\$0.00		\$0.00	0.00	33000.00 33000.00		0.00	
DS-3135	Disassembling Seruci-0 + Reassembling in Seruci-1	91 01-Mar-20*	30-May-20	\$0.00	\$110,000.00	\$110,000.00	\$0.00		\$0.00	0.00	100000.00 100000.00		0.00	
DS-501000	Clean Room	1005 01-Apr-20*	31-Dec-22	\$0.00	\$2,090,000.00	\$2,090,000.00	\$0.00		\$0.00	0.00	1900000.00 1900000.00		0.00	
DS-110400	Argon 5.0		01-Jun-20	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	0.00	0.00		0.00	
DS-154006	Procurement of VETO Reflectors - Evaporation systems		30-Jun-21	\$0.00	\$242,000.00	\$242,000.00	\$0.00		\$0.00	0.00	220000.00 220000.00		0.00	
DS-154007	Procurement of VETO Reflectors - Packaging	366 30-Jun-20*		\$0.00	\$11,000.00	\$11,000.00	\$0.00		\$0.00	0.00	10000.00 10000.00	4500000000	0.00	
NFN-BO		2007 01-Jan-17	30-Jun-22	\$5,306,100.00	\$8,042,100.00	\$13,348,200.00	\$0.00	\$0.00	\$0.00	0.00 0.00 3051000.00	7311000.00 0362000.00	1500000.00	0.00 1500000.00	<u></u>
DS180200	ReD Photoelectronics	1003 01-Jan-17*	30-Sep-19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	0.00		0.00	
DS-1111002	SiPM - Protorype	1461 01-Jan-17*	31-Dec-20	\$0.00	\$540,100.00	\$540,100.00	\$0.00		\$0.00	0.00	491000.00 491000.00		0.00	
DS-1111003	SiPM - Production	1461 01-Jan-17*		\$0.00	\$6,246,900.00	\$6,246,900.00	\$0.00		\$0.00	0.00	5679000.00 5679000.00		0.00	
DS-1111004	SiPM-Technician		31-Dec-20	\$468,600.00	\$0.00	\$468,600.00	\$0.00		\$0.00	0.00 426000.00	426000.00		0.00	
DS-1111005	SiPM- Packaging technician		31-Dec-20	\$1,950,000.00	\$0.00	\$1,950,000.00	\$0.00		\$0.00	0.00		1500000.00	1500000.00	
DS-1111006	SiPM - Scientists	1461 01-Jan-17*		\$2,887,500.00	\$0.00	\$2,887,500.00	\$0.00		\$0.00	0.00 2625000.00	2625000.00		0.00	
DS-112000	Motherboard	2007 01-Jan-17*		\$0.00	\$193,600.00	\$193,600.00	\$0.00		\$0.00	0.00	176000.00 176000.00 965000.00 965000.00		0.00	
LATER1	SiPM power supplies	2007 01-Jan-17* 2068 01-Jan-17	30-Juli-22 30-Aug-22	\$0.00 \$1,736,000.00	\$1,061,500.00 \$1,772,000.00	\$1,061,500.00 \$3,508,000.00	\$0.00		\$0.00 \$3,508,000,00 0.00	0.00	0.00 0.00	0.00	0.00	
Princeton			, in the second									0.00	0.00	T
DS-1112000	Tile and substrates-R&D	2007 01-Jan-17*		\$0.00	\$490,000.00	\$490,000.00	\$0.00		\$490,000.00	0.00	0.00		0.00	
DS-1112001	Tile and substrates-Scientists	2007 01-Jan-17*		\$577,000.00	\$0.00	\$577,000.00		\$0.00	\$577,000.00	0.00	0.00		0.00	
DS-1112002	Tile and substrates - Packaging at PU	2007 01-Jan-17*		\$600,000.00	\$0.00	\$600,000.00			\$600,000.00	0.00	0.00		0.00	
DS-141001	Sources - Gas sources	1369 01-Jul-18*		\$7,000.00	\$40,000.00	\$47,000.00	\$7,000.00		\$47,000.00	0.00	0.00		0.00	
DS-126840	Getter system (SAES hot getter system "Mega-Torr")	457 01-Oct-19*		\$0.00	\$750,000.00	\$750,000.00	\$0.00		\$750,000.00	0.00	0.00		0.00	
DS-127120	Slow Control	457 01-Oct-19*		\$0.00	\$82,000.00	\$82,000.00	\$0.00		\$82,000.00	0.00	0.00		0.00	
DS-127780 DS-127800	Project Engineer Condenser	1065 01-Oct-19* 1065 01-Oct-19*	-	\$552,000.00 \$0.00	\$0.00 \$110,000.00	\$552,000.00 \$110,000.00	\$552,000.00 \$0.00	\$0.00 \$110,000.00	\$552,000.00 \$110,000.00	0.00	0.00		0.00	
DS-127800 DS-127820	Gas Panel		-	\$0.00	\$250,000.00	\$250,000.00	\$0.00		\$250,000.00	0.00	0.00		0.00	
DS-127840	Compressor	1065 01-Oct-19* 1065 01-Oct-19*		\$0.00	\$250,000.00	\$250,000.00	\$0.00		\$50,000.00	0.00	0.00		0.00	_
	Sampi Coool	1826 01-Jan-17		\$0.00	\$397,100.00	\$397,100.00	\$0.00		\$0.00		361000.00 361000.00	0.00	0.00	
NFN-PI												0.00		
DS-111400	Detector module integration	1826 01-Jan-17*		\$0.00	\$397,100.00	\$397,100.00	\$0.00		\$0.00	0.00	361000.00 361000.00		0.00	
NFN-NA		2159 02-Aug-16	30-Jun-22	\$0.00	\$2,074,600.00	\$2,074,600.00	\$0.00	\$0.00	\$0.00	0.00 0.00 0.00	1886000.00 1886000.00	0.00	0.00	
DS-3116	Leak Test at CERN (travel)	861 02-Aug-16*	10-Dec-18	\$0.00	\$44,000.00	\$44,000.00	\$0.00	\$0.00	\$0.00	0.00	40000.00 40000.00		0.00	
DS-180310	TPC & Cryogenics	730 01-Jan-17*	31-Dec-18	\$0.00	\$185,900.00	\$185,900.00	\$0.00		\$0.00	0.00	169000.00 169000.00		0.00	
DS-180300	GAP-TPC	1095 01-Jan-17*		\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	0.00	0.00		0.00	
DS-180320	FE & DAQ	1095 01-Jan-17*		\$0.00	\$25,300.00	\$25,300.00	\$0.00		\$0.00	0.00	23000.00 23000.00		0.00	
DS-111500	Motherboard characterization	2007 01-Jan-17*		\$0.00	\$1,040,600.00	\$1,040,600.00	\$0.00		\$0.00	0.00	946000.00 946000.00		0.00	
DS-180600	Commissioning & operation	822 01-Oct-17*		\$0.00	\$88,000.00	\$88,000.00	\$0.00		\$0.00	0.00	80000.00 80000.00		0.00	
DS-191000	Integration	669 01-Sep-18*		\$0.00	\$67,100.00	\$67,100.00	\$0.00		\$0.00	0.00	61000.00 61000.00		0.00	
DS-193000	Calibration Setup	305 01-Jun-19*		\$0.00	\$60,500.00	\$60,500.00	\$0.00		\$0.00	0.00	55000.00 55000.00		0.00	
DS-194000	Commissioning	366 01-Oct-19*		\$0.00	\$55,000.00	\$55,000.00	\$0.00		\$0.00	0.00	50000.00 50000.00		0.00	
DS-195000	Operation	366 01-Jan-20*		\$0.00	\$508,200.00	\$508,200.00	\$0.00		\$0.00	0.00	462000.00 462000.00	- 0.00	0.00	
NFN-MI		1461 01-Jan-17	31-Dec-20	\$0.00	\$249,700.00	\$249,700.00	\$0.00		\$0.00	0.00 0.00 0.00	227000.00 227000.00	0.00	0.00 0.00	
DS-111901	Cabling	1461 01-Jan-17*	31-Dec-20	\$0.00	\$249,700.00	\$249,700.00	\$0.00		\$0.00	0.00	227000.00 227000.00		0.00	
.NL		2007 01-Jan-17	30-Jun-22	\$0.00	\$275,000.00	\$275,000.00	\$0.00	\$0.00	\$0.00	0.00 0.00 0.00	250000.00 250000.00	0.00	0.00 0.00	*
Remaii	ning Level of Effort Actual Work		ritical Rem	aining Work				De-	e 3 of 7		TASK filter: Al	I A otivition		

aning nation, Handling & Process Development nation, Handling & Process Development nation, Handling & Process Development nation. Handling & Process Development nation n	1096 01-Jan-19* 2007 01-Jan-17* 2007 01-Jan-17* 1110 01-Jul-19* 1110 01-Jul-18*	Finish 30-Jun-22 31-Dec-21 30-Jun-22 30-Jun-22 30-Dec-19 14-Jul-22 30-Jun-21	\$0.00 \$0.00	\$275,000.00 \$344,300.00 \$344,300.00 \$344,300.00 \$344,300.00 \$140,000.00 \$140,000.00 \$170,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00	Global Total Cost (USD) \$275,000.00 \$0.00 \$344,300.00 \$344,300.00 \$140,000.00 \$140,000.00 \$140,000.00 \$70,000.00	\$0.00 \$0.00	DS Layout Non Labor Cost USA[USD]		900000.00 500000.00 400000.00	CAN [CAD] CAN [CAD] EU [EU 0.00 0.00 0.00 0.00 7500000.00 200000.00 200000.00 200000.00 200000.00 200000.00 150000.00 100000.00 100000.00 150000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00	EU [EUR] 250000.00 313000.00	EU [EUR] UI 250000.00 0.00 313000.00 0.00 0.00 0.00 0.	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	2017			
Anation, Handling & Process Development in the p	1096 01-Jan-19* 2007 01-Jan-17* 2007 01-Jan-17* 1110 01-Jul-19* 1110 01-Jul-18*	31-Dec-21 30-Jun-22 30-Jun-22 14-Jul-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00	\$0.00 \$344,300.00 \$344,300.00 \$144,000.00 \$140,000.00 \$140,000.00 \$140,000.00 \$140,000.00 \$105,000.00 \$70,000.00 \$1,400,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$11,000.00 \$11,000.00 \$280,000.00 \$9,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$117,500.00	\$0.00 \$344,300.00 \$344,300.00 \$140,000.00 \$140,000.00 \$140,000.00 \$170,000.00 \$70,000.00 \$140,000.00 \$70,000.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	900000.00 900000.00 500000.00 400000.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	00 313000.00 313000.00 00 0.00	0.00 313000.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0				
bonics bel tructure Bonding Test mitrol ng Travel X x yet Travel X yet To Reflectors yet To Reflectors - 3M foil yet yet To Reflectors - 3M foil yet yet yet To Reflectors - TPB yet yet yet yet yet yet yet ye	2007 01-Jan-17 2007 01-Jan-17* 1110 01-Jul-19* 1110 01-Jul-18*	30-Jun-22 30-Jun-22 14-Jul-22 30-Dec-19 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00	\$344,300.00 \$344,300.00 \$140,000.00 \$140,000.00 \$140,000.00 \$140,000.00 \$140,000.00 \$105,000.00 \$70,000.00 \$1,400,000.00 \$1,400,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$11,000.00 \$70,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00	\$344,300.00 \$344,300.00 \$440,000.00 \$140,000.00 \$140,000.00 \$140,000.00 \$105,000.00 \$70,000.00 \$150,000.00 \$150,000.00 \$70,000.00 \$70,000.00 \$105,000.00 \$11,000.00 \$11,000.00 \$70,000.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	900000.00 900000.00 500000.00 400000.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	313000.00	313000.00 313000.00 0.00 0.00 0.00 0.00	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0				
tructure Bonding Test introl ng Travel X yet ort /ETO Reflectors /ETO Reflectors - 3M foil /ETO Reflectors - 3M foil /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB	2007 01-Jan-17* 1110 01-Jul-19* 1130 01-Jul-19* 1110 01-Jul-19* 110 01-Jul-19* 110 01-Jul-19* 110 01-Jul-19* 30-Sep-19 275 30-Sep-19 275 30-Sep-19 366 30-Jun-20*	30-Jun-22 14-Jul-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00	\$344,300.00 \$5,530,000.00 \$140,000.00 \$140,000.00 \$140,000.00 \$140,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$1,400,000.00 \$70,000.00 \$1,400,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$737,600.00 \$11,000.00 \$280,000.00 \$89,100.00 \$89,100.00	\$344,300.00 \$140,000.00 \$140,000.00 \$140,000.00 \$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$150,000.00 \$105,000.00 \$70,000.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	900000.00 500000.00 400000.00	0.00 790000.00 850000.00 0.00 200000.00 200000.00 4400000.00 200000.00 30000.00 150000.00 150000.00 100000.00 100000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 100000.00 100000.00 100000.00	313000.00	313000.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0				
tructure Bonding Test introl ng Travel X yet ort /ETO Reflectors /ETO Reflectors - 3M foil /ETO Reflectors - 3M foil /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB	1110 01-Jul-19 183 01-Jul-19* 1110 01-Jul-19*	14-Jul-22 30-Dec-19 14-Jul-22 14-Jul-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$630,000.00 \$0.00	\$5,540,000.00 \$140,000.00 \$3,080,000.00 \$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$1,400,000.00 \$1,400,000.00 \$1,400,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$71,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$11,000.00 \$11,000.00 \$280,000.00 \$89,100.00 \$137,500.00	\$6,160,000.00 \$140,000.00 \$3,080,000.00 \$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$350,000.00 \$140,000.00 \$140,000.00 \$1,400,000.00 \$70,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	900000.00 500000.00 400000.00	7900000.00 8800000.00 0. 200000.00 200000.00 4400000.00 4400000.00 300000.00 150000.00 100000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 150000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0				
tructure Bonding Test introl ing Travel X Dort ort /ETO Reflectors /ETO Reflectors /ETO Reflectors - 3M foil /ETO Reflectors - 3M foil /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB	183 01-Jul-19* 1110 01-Jul-19* 110 01-Jul-19*	30-Dec-19 14-Jul-22 130-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00	\$140,000.00 \$3,080,000.00 \$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$1,400,000.00 \$1,400,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$737,600.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00 \$11,000.00	\$140,000.00 \$3,080,000.00 \$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$1400,000.00 \$70,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	500000.00	200000.00 200000.00 4400000.00 440000.00 200000.00 200000.00 300000.00 300000.00 150000.00 150000.00 500000.00 100000.00 100000.00 2000000.00 2000000.00 150000.00 150000.00 100000.00 150000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0		0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0				
tructure Bonding Test introl ing Travel X Dort ort /ETO Reflectors /ETO Reflectors /ETO Reflectors - 3M foil /ETO Reflectors - 3M foil /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB	1110 01-Jul-19* 110 01-Jul-19* 110 01-Jul-19* 1110 01-Jul-19*	14-Jul-22 14-Jul-21 15-Jul-21	\$0.00 \$0.00 \$0.00 \$0.00 \$350,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$3,080,000.00 \$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$1,400,000.00 \$1,400,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00	\$3,080,000.00 \$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$350,000.00 \$70,000.00 \$1,400,000.00 \$105,000.00 \$70,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	500000.00	440000.00 440000.00 20000.00 200000.00 30000.00 30000.00 150000.00 150000.00 10000.00 500000.00 10000.00 100000.00 200000.00 150000.00 150000.00 150000.00 150000.00 150000.00 10000.00 150000.00 10000.00 100000.00 10000.00 100000.00	00 416000.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0				
tructure Bonding Test introl ing Travel X Dort ort /ETO Reflectors /ETO Reflectors /ETO Reflectors - 3M foil /ETO Reflectors - 3M foil /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB	1110 01-Jul-19* 110 01-Jul-19* 110 01-Jul-19* 1110 01-Jul-19*	14-Jul-22 14-Jul-21 15-Jul-21	\$0.00 \$0.00 \$0.00 \$0.00 \$350,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$3,080,000.00 \$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$1,400,000.00 \$1,400,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00	\$3,080,000.00 \$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$350,000.00 \$70,000.00 \$1,400,000.00 \$105,000.00 \$70,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	500000.00	440000.00 440000.00 20000.00 200000.00 30000.00 30000.00 150000.00 150000.00 10000.00 500000.00 10000.00 100000.00 200000.00 150000.00 150000.00 150000.00 150000.00 150000.00 10000.00 150000.00 10000.00 100000.00 10000.00 100000.00	00 416000.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0				
Bonding Test Introl Ing ITravel X X Don't On't ITravel X INTERPORT STATE	1110 01-Jul-19* 110 01-Jul-11* 110 01-Jul-11*	14-Jul-22 14-Jul-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$0.00 \$350,000,00 \$0.00 \$0.00 \$0.00 \$280,000,00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$1,400,000.00 \$1,400,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$280,000.00 \$89,100.00 \$137,500.00	\$140,000.00 \$210,000.00 \$105,000.00 \$70,000.00 \$350,000.00 \$70,000.00 \$14,00,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$280,000.00 \$280,000.00 \$337,600.00 \$0.00 \$280,000.00 \$280,000.00 \$280,000.00 \$280,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	500000.00	200000.00 200000.00 300000.00 150000.00 150000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 150000.00 150000.00 150000.00 150000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00	00 416000.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00				
Bonding Test Introl Ing ITravel X X Don't On't ITravel X INTERPORT STATE	1110 01-Jul-19* 110 01-Jul-19*	14-Jul-22 14-Jul-21 14-Jul-22 14-Jul-21 14-Jul-22 14-Jul-21 14-Jul-22 14-Jul-21	\$0.00 \$0.00 \$350,000,00 \$0.00 \$0.00 \$0.00 \$280,000,00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$210,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$1,400,000.00 \$10,500.00 \$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$280,000.00 \$89,100.00 \$137,500.00	\$210,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$1,400,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00 \$71,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	500000.00 400000.00	300000.00 300000.00 150000.00 150000.00 150000.00 100000.00 500000.00 100000.00 200000.00 150000.00 150000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00	00 416000.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00				
Bonding Test Introl Ing ITravel X X Don't On't ITravel X INTERPORT STATE	1110 01-Jul-19* 110 01-Jul-18*	14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$350,000.00 \$0.00 \$0.00 \$0.00 \$280,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$105,000.00 \$70,000.00 \$70,000.00 \$1,400,000.00 \$105,000.00 \$70,000.00 \$70,000.00 \$77,000.00 \$73,600.00 \$11,000.00 \$280,000.00 \$89,100.00 \$137,500.00	\$105,000.00 \$70,000.00 \$350,000.00 \$70,000.00 \$1,400,000.00 \$105,000.00 \$280,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$11,000.00 \$0.00 \$280,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	500000.00	150000.00 150000.00 100000.00 100000.00 500000.00 100000.00 2000000.00 150000.00 150000.00 400000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00	00 416000.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00				
Introl Ing ITravel X X Dort Ort Ort I/ETO Reflectors I/ETO Reflectors - 3M foil I/ETO Reflectors - 3M foil I/ETO Reflectors - 3M foil I/ETO Reflectors - TPB	1110 01-Jul-19* 110 01-Jul-19* 110 01-Jul-19* 110 01-Jul-19* 366 30-Jun-20*	14-Jul-22 14-Jul-22	\$0.00 \$350,000.00 \$0.00 \$0.00 \$0.00 \$280,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$70,000.00 \$0.00 \$70,000.00 \$1,400,000.00 \$105,000.00 \$0.00 \$70,000.00 \$70,000.00 \$770,000.00 \$747,600.00 \$11,000.00 \$280,000.00 \$89,100.00 \$137,500.00	\$70,000.00 \$350,000.00 \$70,000.00 \$1,400,000.00 \$280,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$11,000.00 \$0.00 \$280,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	500000.00 400000.00	100000.00 100000.00 500000.00 100000.00 2000000.00 150000.00 150000.00 150000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00	00 416000.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0				
Travel X X port Drt VETO Reflectors VETO Reflectors - 3M foil VETO Reflectors - 3M foil VETO Reflectors - 3M foil VETO Reflectors - TPB VETO Reflectors - TPB VETO Reflectors - TPB VETO Reflectors - TPB	1110 01-Jul-19* 110 01-Jul-19* 366 30-Jun-20*	14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$280,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$70,000.00 \$1,400,000.00 \$105,000.00 \$0.00 \$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00	\$70,000.00 \$1,400,000.00 \$105,000.00 \$280,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	40000.00	100000.00 100000.00 2000000.00 2000000.00 150000.00 150000.00 400000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00	00 416000.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00				
X Dort Dort Dort VETO Reflectors VETO Reflectors - 3M foil VETO Reflectors - 3M foil VETO Reflectors - 3M foil VETO Reflectors - TPB VETO Reflectors - TPB VETO Reflectors - TPB VETO Reflectors - TPB	1110 01-Jul-19* 110 03-Sep-19 275 30-Sep-19* 366 30-Jun-20* 3750 31-Jun-18*	14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$280,000.00 \$280,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$1,400,000.00 \$105,000.00 \$0.00 \$70,000.00 \$70,000.00 \$737,600.00 \$747,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00 \$137,500.00	\$1,400,000.00 \$105,000.00 \$280,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	40000.00	2000000.00 2000000.00 150000.00 150000.00 400000.00 100000.00 100000.00 100000.00 100000.00 100000.00 100000.00	00 416000.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00				
Jort Jetto Reflectors Jetto Reflectors Jetto Reflectors Jetto Reflectors - 3M foil Jetto Reflectors - 3M foil Jetto Reflectors - 3M foil Jetto Reflectors - TPB	1110 01-Jul-19* 1110 01-Jul-19* 1110 01-Jul-19* 1110 01-Jul-19* 1110 01-Jul-19* 1110 01-Jul-19* 640 30-Sep-19 275 30-Sep-19* 366 30-Jun-20*	14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$280,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$105,000.00 \$0.00 \$70,000.00 \$70,000.00 \$737,600.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00	\$105,000.00 \$280,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	40000.00	150000.00	00 416000.00	0.00 0.00 0.00 0.00 0.00	0.00	0.00 0.00 0.00 0.00 0.00 0.00				
JETO Reflectors JETO Reflectors JETO Reflectors JETO Reflectors - 3M foil JETO Reflectors - 3M foil JETO Reflectors - 3M foil JETO Reflectors - TPB	1110 01-Jul-19* 1110 01-Jul-19* 1110 01-Jul-19* 1110 01-Jul-19* 640 30-Sep-19* 275 30-Sep-19* 366 30-Jun-20* 366 30-Jun-17* 1736 01-Apr-17* 1339 01-Jul-18*	14-Jul-22 14-Jul-22 14-Jul-22 14-Jul-22 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$280,000.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00 \$137,500.00	\$280,000.00 \$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	0.00	40000.00 100000.00 100000.00 100000.00 100000.00	00 416000.00	0.00 0.00 0.00 0.00	0.00	0.00 0.00 0.00 0.00 0.00				
/ETO Reflectors /ETO Reflectors /ETO Reflectors - 3M foil /ETO Reflectors - 3M foil /ETO Reflectors - 3M foil /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB	1110 01-Jul-19* 1110 01-Jul-19* 1110 01-Jul-19* 1110 01-Jul-19* 640 30-Sep-19 275 30-Sep-19* 366 30-Jun-20* 366 30-Jun-21* 1736 01-Apr-17* 1336 01-Jul-18*	14-Jul-22 14-Jul-22 14-Jul-22 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$70,000.00 \$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00 \$137,500.00	\$70,000.00 \$70,000.00 \$70,000.00 \$73,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	0.00	100000.00 100000.00 100000.00 100000.00 100000.00 100000.00	00 416000.00	0.00 0.00 0.00	0.00	0.00 0.00 0.00 0.00				
/ETO Reflectors /ETO Reflectors /ETO Reflectors - 3M foil /ETO Reflectors - 3M foil /ETO Reflectors - 3M foil /ETO Reflectors - TPB /ETO Reflectors - TPB /ETO Reflectors - TPB	1110 01-Jul-19* 1110 01-Jul-19* 1110 01-Jul-19* 640 30-Sep-19 275 30-Sep-19* 366 30-Jun-20* 366 30-Jun-17* 1736 01-Apr-17* 1359 01-Jul-18*	14-Jul-22 14-Jul-22 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00 \$137,500.00	\$70,000.00 \$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00 \$0.00	0.00	100000.00 100000.00 100000.00 100000.00	00 416000.00	0.00 0.00	0.00	0.00 0.00 0.00				
/ETO Reflectors //ETO Reflectors - 3M foil //ETO Reflectors - TPB //ETO Reflectors - TPB urity Assay - BHSU assays	1110 01-Jul-19* 640 30-Sep-19 275 30-Sep-19* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 1736 01-Apr-17* 1736 01-Apr-17* 1339 01-Jul-18*	14-Jul-22 30-Jun-21 30-Jun-20 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00 \$137,500.00	\$70,000.00 \$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00	\$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	0.00	100000.00 100000.00	00 416000.00	0.00	0.00 0.00	0.00				
/ETO Reflectors //ETO Reflectors - 3M foil //ETO Reflectors - TPB //ETO Reflectors - TPB urity Assay - BHSU assays	640 30-Sep-19 275 30-Sep-19* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 1736 01-Apr-17 1736 01-Apr-17* 1359 01-Jul-18*	30-Jun-21 30-Jun-20 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00 \$137,500.00	\$737,600.00 \$11,000.00 \$0.00 \$280,000.00 \$89,100.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00	0.00		00 416000.00		0.00 0.00	0.00				
/ETO Reflectors //ETO Reflectors - 3M foil //ETO Reflectors - TPB //ETO Reflectors - TPB urity Assay - BHSU assays	275 30-Sep-19* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 1736 01-Apr-17* 1339 01-Jul-18*	30-Jun-20 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$11,000.00 \$0.00 \$280,000.00 \$89,100.00 \$137,500.00	\$11,000.00 \$0.00 \$280,000.00 \$89,100.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00		400000.00 400000.00 0	416000.00	416000.00	0.00					
/ETO Reflectors //ETO Reflectors - 3M foil //ETO Reflectors - TPB //ETO Reflectors - TPB urity Assay - BHSU assays	366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 1736 01-Apr-17* 1736 01-Apr-17* 1339 01-Jul-18*	30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$0.00 \$280,000.00 \$89,100.00 \$137,500.00	\$0.00 \$280,000.00 \$89,100.00	\$0.00	\$0.00	-								1		
/ETO Reflectors - 3M foil //ETO Reflectors - TPB //ETO Reflectors - TPB //ETO Reflectors - TPB //ETO Reflectors - BHSU assays	366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 1736 01-Apr-17* 1736 01-Apr-17* 1339 01-Jul-18*	30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	\$280,000.00 \$89,100.00 \$137,500.00	\$0.00 \$280,000.00 \$89,100.00		\$0.00	\$0.00		0.00	10000.00	10000.00		0.00		1 1 1 1 1 1		
/ETO Reflectors - 3M foil //ETO Reflectors - 3M foil //ETO Reflectors - TPB //ETO Reflectors - TPB //ETO Reflectors - TPB urity Assay - BHSU æsays	366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 1736 01-Apr-17* 1339 01-Jul-18 1369 01-Jul-18*	30-Jun-21 30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00 \$0.00	\$89,100.00 \$137,500.00	\$89,100.00	\$0.00	60.00			0.00		0.00		0.00				
/ETO Reflectors - 3M foil /ETO Reflectors - TPB /ETO Reflectors - TPB urity Assay - BHSU æsays	366 30-Jun-20* 366 30-Jun-20* 366 30-Jun-20* 1736 01-Apr-17* 1339 01-Jul-18 1369 01-Jul-18*	30-Jun-21 30-Jun-21 30-Jun-21	\$0.00 \$0.00	\$137,500.00			\$0.00	\$0.00		400000.00 400000.00		0.00		0.00				
/ETO Reflectors - TPB //ETO Reflectors - TPB urity Assay - BHSU æsays	366 30-Jun-20* 366 30-Jun-20* 1736 01-Apr-17* 1736 01-Apr-17* 1369 01-Jul-18*	30-Jun-21 30-Jun-21	\$0.00		0407 500 05	\$0.00	\$0.00	\$0.00		0.00	81000.00	81000.00		0.00				
/ETO Reflectors - TPB urity Assay - BHSU æsays I for VETO calibration	366 30-Jun-20* 1736 01-Apr-17* 1736 01-Apr-17* 1369 01-Jul-18*	30-Jun-21		\$82,500.00	\$137,500.00	\$0.00	\$0.00	\$0.00		0.00	125000.00	125000.00		0.00				
urity Assay - BHSU æsays	1736 01-Apr-17 1736 01-Apr-17* 1369 01-Jul-18 1369 01-Jul-18*		#0.00	\$52,000.00	\$82,500.00	\$0.00	\$0.00	\$0.00		0.00	75000.00	75000.00		0.00				
for VETO calibration	1736 01-Apr-17* 1369 01-Jul-18 1369 01-Jul-18*	31-Dec-21	\$0.00	\$137,500.00	\$137,500.00	\$0.00	\$0.00	\$0.00		0.00	125000.00	125000.00		0.00				
for VETO calibration	1369 01-Jul-18 1369 01-Jul-18*		\$0.00	\$90,000.00	\$90,000.00	\$0.00	\$90,000.00	\$90,000.00	0.00	0.00 0.00 0.	0.00	0.00	0.00	0.00	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
for VETO calibration	1369 01-Jul-18 1369 01-Jul-18*	31-Dec-21	\$0.00	\$90,000.00	\$90,000.00	\$0.00	\$90,000.00	\$90,000.00		0.00		0.00		0.00				
for VETO calibration		30-Mar-22	\$121,000.00	\$209,000.00	\$330,000.00	\$0.00	\$0.00	\$0.00		0.00 0.00 110000.	00 190000.00	300000.00	0.00	0.00		\		
for VETO calibration		30-Mar-22				\$0.00								0.00			<u>iiiii</u>	<u></u>
	1200 04 14 10*		\$11,000.00	\$22,000.00 \$22,000.00	\$33,000.00	\$0.00	\$0.00	\$0.00 \$0.00		0.00 10000. 0.00				0.00				
ectric fleutron generator	1369 01-Jul-18*	30-Mar-22 30-Mar-22	\$0.00 \$110,000.00	\$22,000.00 \$165,000.00	\$22,000.00 \$275,000.00	\$0.00	\$0.00	\$0.00		0.00	20000.00	20000.00 250000.00		0.00			:::::	
	1369 01-Jul-18*	31-Dec-21	\$110,000.00	\$6,459,200.00	\$6,459,200.00	\$0.00	\$0.00 \$0.00						0.00 0.00	0.00				
	1170 11-001-10	31-Dec-21					\$0.00	\$0.00		0.00 0.00 0.	00 5872000.00	5872000.00	0.00	0.00				
		15-Jun-20	\$0.00	\$2,299,000.00	\$2,299,000.00	\$0.00	\$0.00	\$0.00		0.00		2090000.00		0.00				<u> </u>
	962 15-May-19*		\$0.00	\$4,160,200.00	\$4,160,200.00	\$0.00	\$0.00	\$0.00		0.00		3782000.00		0.00			: : : : :	
	2100 01-Apr-17	30-Dec-22	\$38,500.00	\$566,000.00	\$604,500.00	\$0.00	\$0.00	\$0.00	0.00	0.00 0.00 35000.	00 30000.00	65000.00	0.00 410000.00 4	410000.00	Y : :			
get	1736 01-Apr-17*	31-Dec-21	\$38,500.00	\$0.00	\$38,500.00	\$0.00	\$0.00	\$0.00		0.00 35000.	00	35000.00		0.00				
urity Assay - LSC assays	1736 01-Apr-17*	31-Dec-21	\$0.00	\$325,000.00	\$325,000.00	\$0.00	\$0.00	\$0.00		0.00		0.00	250000.00 2	250000.00				
urity Assay - Radioch. And Mass. Spec.	1736 01-Apr-17*	31-Dec-21	\$0.00	\$208,000.00	\$208,000.00	\$0.00	\$0.00	\$0.00		0.00		0.00	160000.00	160000.00				
ensitivity studies (Inkind)	1 30-Apr-18*	30-Apr-18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00		0.00		0.00		11		
ings with CAD (inkind)	1 01-May-18*	01-May-18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00		0.00		0.00				
(inkind)	1 30-Apr-19*	30-Apr-19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00		0.00		0.00			'	:
integration			\$0.00	\$11,000.00		\$0.00	\$0.00	\$0.00			10000.00			0.00				
nkind)	-	-												i		<u> </u>		
AT to LSC																		
TO electronics - radiopurity																		
d belt installation														0.00			- P	
	729 01-Jan-18	30-Dec-19	\$0.00	\$15,000.00	\$15,000.00	\$0.00	\$15,000.00	\$15,000.00	0.00	0.00 0.00 0.	0.00	0.00	0.00	0.00				
	729 01-Jan-18*	30-Dec-19	\$0.00	\$15,000.00	\$15,000.00	\$0.00	\$15,000.00	\$15,000.00		0.00		0.00		0.00				
	1369 01-Jul-18	30-Mar-22	\$0.00	\$16,500.00	\$16,500.00	\$0.00	\$0.00	\$0.00	0.00	0.00 0.00 0.	00 15000.00	15000.00	0.00	0.00		V		
	1369 01-Jul-18*	30-Mar-22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00		0.00		0.00				
anics																		
anics	1369 01-Jul-18*	30-Mar-22	\$0.00	\$16,500.00	\$16,500.00	\$0.00	\$0.00	\$0.00		0.00	15000.00			0.00				
			\$0.00	\$605,000.00	\$605,000.00	\$0.00	\$0.00						0.00	0.00				
he VETO acrylic														0.00		 	<u> </u>	
no vero acrylic													0.00					
											0.00						<u> </u>	
oftware			\$0.00				\$0.00			0.00		0.00						
	1915 01-Jan-17	30-Mar-22	\$0.00	\$869,000.00	\$869,000.00	\$0.00	\$0.00	\$0.00	0.00	0.00 0.00 0.	790000.00	790000.00	0.00	0.00				
	365 01-Jan-17*	31-Dec-17	\$0.00	\$15,400.00	\$15,400.00	\$0.00	\$0.00	\$0.00		0.00	14000.00	14000.00		0.00				.
Gd loaded acrylic	639 01-Jul-18*	30-Mar-20	\$0.00	\$116,600.00	\$116,600.00	\$0.00	\$0.00	\$0.00		0.00	106000.00	106000.00		0.00				
TO electronics	459 30-Sep-19*	31-Dec-20	\$0.00	\$209,000.00	\$209,000.00	\$0.00	\$0.00	\$0.00		0.00	190000.00	190000.00		0.00				<u> </u>
	356 01-Jan-20*	21-Dec-20	\$0.00	\$11,000.00	\$11,000.00	\$0.00	\$0.00	\$0.00		0.00	10000.00	10000.00		0.00				<u> </u>
3	366 01-Jan-20*	31-Dec-20	\$0.00	\$352,000.00	\$352,000.00	\$0.00	\$0.00	\$0.00		0.00	320000.00	320000.00		0.00				-
nad commissioning	182 30-Sep-21*	30-Mar-22	\$0.00	\$165,000.00	\$165,000.00	\$0.00	\$0.00	\$0.00		0.00				0.00		1.1.1.1.1.1.		
	2099 01-Jan-17	30-Sep-22	\$264,000.00	\$772,200.00	\$1,036,200.00	\$0.00	\$0.00	\$0.00	0.00	0.00 0.00 240000.	702000.00	942000.00	0.00	0.00				
uriturituriturituriturituriturituriturit	y Assay - LSC assays y Assay - Radioch. And Mass. Spec. itivity studies (Inkind) s with CAD (inkind) kind) tegration nd) to LSC D electronics - radiopurity belt installation cs cs cs VETO acrylic ware	y Assay - LSC assays 1736 01-Apr-17* y Assay - Radioch. And Mass. Spec. 1736 01-Apr-17* y Assay - Radioch. And Mass. Spec. 1736 01-Apr-17* itivity studies (Inkind) 1 01-May-18* s with CAD (inkind) 1 01-May-18* itind) 1 30-Apr-19* tegration 31 30-Apr-19* tegration 31 30-Apr-19* to LSC 1250 30-Jul-19* 0 electronics - radiopurity 459 30-Sep-19* belt installation 31 31-Dec-19* 729 01-Jan-18* 729 01-Jan-18* 01-Jul-18* cs 1369 01-Jul-18* cs 1369 01-Jul-18* cs 1369 01-Jul-18* ot 1369 01-Jul	y Assay - LSC assays y Assay - Radioch. And Mass. Spec. 1736 01-Apr-17* 31-Dec-21 y Assay - Radioch. And Mass. Spec. 1736 01-Apr-18* 30-Apr-18* 30-Apr-18* 30-Apr-18* 30-Apr-18* 30-Apr-18* 30-Apr-19* 30-Dec-22* 30-Jul-19* 30-Dec-22* 31-Dec-20* 31-Dec-20* 31-Dec-20* 31-Dec-19* 30-Dec-19* 31-Dec-19* 30-Jan-20* 31-Jan-18* 30-Dec-19* 30-Jan-20* 30-Jan-	y Assay - LSC assays 1736 01-Apr-17* 31-Dec-21 \$0.00 y Assay - Radioch. And Mass. Spec. 1736 01-Apr-17* 31-Dec-21 \$0.00 itivity studies (Inkind) 1 30-Apr-18* \$0.00 \$0.00 s with CAD (inkind) 1 01-May-18* 01-May-18 \$0.00 kind) 1 30-Apr-19* 30-Apr-19 \$0.00 kind) 31 30-Apr-19* 30-Apr-19 \$0.00 nd) 31 10-May-19* 30-May-19 \$0.00 nd) 31 30-Jul-19* 30-Dec-22 \$0.00 nd) 31 30-May-19* \$0.00 \$0.00 nd) 31 31-Dec-19* 30-Dec-22 \$0.00 nd)	yAssay - LSC assays 1736	yAssay - LSC assays yAssay - Radioch. And Mass. Spec. 1736 01-Apr-17* 31-Dec-21 \$0.00 \$325,000.00 \$325,000.00 \$325,000.00 \$325,000.00 \$326	yAssay - LSC assays 1736 01-Apr-17* 31-Dec-21 \$0.00 \$325,000.00 \$0.00 \$0.00 yAssay - Radioch. And Mass. Spec. 1736 01-Apr-17* 31-Dec-21 \$0.00 \$208,000.00 \$208,000.00 \$0	yAssay - LSC assays	yAssay - LSC assays	yAssay - LSC assays	yAssay - LSC assays	yAssay - LSC assays	yAssay - LSG assays 1736 1744-17 71-0b-c-21 \$0.00 \$325,000.00 \$0.0	y Assay - Flatzin - 1776 1-4-pe-17 31-be-21 50.00 \$329,000.00 \$329,000.00 \$0.00	y Amay - L 25 amany 1786 0 L 4g-177 9 - 19-bc-21 50.00 532,00.000 1 50.00 50.00 50.00 50.00 50.00 0 0.00 1	A-May P-1-4 (Park - 17 A-10 Park - 18 Park - 18 A-10 Park - 18 Park -	Amay = Flashorh And Mans Spec. 178 61 Febre 1 90.00 \$355,000.00 \$300,000.00 \$0.0	May - Class May - Class

ty ID		1 0	1	1 011					ut-All Currer							1
	Activity Name	Original Start Duration	Finish	Global Labor Cost Glo [USD]	obal Non Labor Cost [USD]	Global Total Cost [USD]	Labor Cost I USA [USD]	Non Labor Cost USA [USD]	Total Cost USA [USD]		Non Labor Cost CAN [CAD]		Labor Cost Non L EU [EUR]		abor Cost Non Labor Cost Total Cost UK [GBP] UK [GBP]	2017 2018 2019 2020 2 Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
S-180500	nToF Spectrometer	273 01-Jan-17*	30-Sep-17	\$0.00	\$58,300.00	\$58,300.00	\$0.00	\$0.00				0.00		53000.00 53000.00	0.00	
DS-162000	Trigger	1460 01-Apr-17*	30-Mar-21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00		0.00	0.00	
DS-162002	Trigger - Event builder + Cluster	1460 01-Apr-17*	30-Mar-21	\$0.00	\$198,000.00	\$198,000.00	\$0.00	\$0.00				0.00		180000.00 180000.00	0.00	
DS-161001	Readout boards	1736 01-Apr-17*	31-Dec-21	\$0.00	\$311,300.00	\$311,300.00	\$0.00	\$0.00	\$0.00			0.00		283000.00 283000.00	0.00	
DS-161004	Readout boards	1736 01-Apr-17*	31-Dec-21	\$159,500.00	\$0.00	\$159,500.00	\$0.00	\$0.00					145000.00	145000.00	0.00	
DS-196000	Cryostat	183 01-Apr-18*	30-Sep-18	\$0.00	\$72,600.00	\$72,600.00	\$0.00	\$0.00	\$0.00			0.00		66000.00 66000.00	0.00	
DS-130000 DS-175000	HW CPU and Storage	1644 01-Apr-18*		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00				0.00		0.00	0.00	
	-		_													
DS-171000	SW Package	640 01-Jul-18*	31-Mar-20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00		0.00	0.00	
DS-172001	Reconstruction software	548 01-Oct-18*	31-Mar-20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00		0.00	0.00	
DS-172002	Reconstruction software engineer	548 01-Oct-18*	31-Mar-20	\$104,500.00	\$0.00	\$104,500.00	\$0.00	\$0.00	\$0.00			0.00	95000.00	95000.00	0.00	
DS-192000	DAQ	457 01-Apr-19*	30-Jun-20	\$0.00	\$132,000.00	\$132,000.00	\$0.00	\$0.00	\$0.00			0.00		120000.00 120000.00	0.00	
Krakow		1825 01-Apr-17	30-Mar-22	\$5,500.00	\$38,000.00	\$43,500.00	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00	5000.00	5000.00 10000.00	0.00 25000.00 25000.00	
DS-130500	Materials Radiopurity Assay	1736 01-Apr-17*	31-Dec-21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00		0.00	0.00	
DS-130507	Materials Radiopurity Assay - Large surf. Assay - Krakow	1736 01-Apr-17*		\$0.00	\$19,500.00	\$19,500.00	\$0.00	\$0.00				0.00		0.00	15000.00 15000.00	
DS-130507	Materials Radiopurity Assay - Pb/Po - Krakow assays	1736 01-Apr-17*		\$0.00	\$13,000.00	\$13,000.00	\$0.00	\$0.00	\$0.00			0.00		0.00	10000.00 10000.00	
DS-130308 DS-141002	Sources - Gas sources	1369 01-Jul-18*	30-Mar-22	\$5,500.00	\$5,500.00	\$13,000.00	\$0.00	\$0.00				0.00	5000.00	5000.00 10000.00	0.00	
	Jources - Gas Sources	730 01-Jul-18"			\$66,000.00	\$66,000.00	\$0.00	\$0.00						6000.00 10000.00		
.NS		730 01-Jan-17	31-Dec-18	\$0.00	\$66,000.00	\$66,000.00	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00	0.00	60000.00	0.00 0.00 0.00	
DS-180400	Meutron Beam	730 01-Jan-17*	31-Dec-18	\$0.00	\$66,000.00	\$66,000.00	\$0.00	\$0.00	\$0.00			0.00		60000.00 60000.00	0.00	_
DS-180100	Simulations & Analys is	184 01-Jul-18*	31-Dec-18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00		0.00	0.00	
PNHE		549 01-Jul-18	31-Dec-19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00	0.00	0.00 0.00	0.00 0.00	
DS-174000	Physics and Analysis Interferes	549 01-Jul-18*	21 Dec 10	\$0.00	en no	en no	PO 00	60.00	60.00			0.00		0.00	0.00	
	Physics and Analysis Interface				\$0.00	\$0.00	\$0.00	\$0.00				0.00	0.00	0.00	0.00	
emple		2101 01-Apr-17	31-Dec-22	\$249,000.00	\$245,000.00	\$494,000.00	\$249,000.00	\$245,000.00	\$494,000.00	0.00	0.00	0.00	0.00	0.00	0.00 0.00	
DS-130502	Materials Radiopurity Assay - Temple assays	1736 01-Apr-17*	31-Dec-21	\$0.00	\$60,000.00	\$60,000.00	\$0.00	\$60,000.00	\$60,000.00			0.00		0.00	0.00	
DS-143000	External deployment system, Photoneutron source and ca	1646 30-Jun-18*	31-Dec-22	\$245,000.00	\$147,000.00	\$392,000.00		\$147,000.00				0.00		0.00	0.00	
DS-141004	Sources - AmC, AmBe, AmLi	1369 01-Jul-18*	30-Mar-22	\$4,000.00	\$38,000.00	\$42,000.00	\$4,000.00	\$38,000.00				0.00		0.00	0.00	
RIUMF		1736 01-Apr-17	31-Dec-21	\$859,500.00	\$2,284,100.00	\$3,143,600.00	\$0.00	\$0.00		1000000.00	3263000.00	4263000.00	145000.00	0.00 145000.00	0.00 0.00 0.00	
DS-162001	Trigger - clock distribution	1460 01-Apr-17*		\$0.00	\$87,500.00	\$87,500.00	\$0.00	\$0.00			125000.00	125000.00		0.00	0.00	
DS-161000	Readout	1736 01-Apr-17*	31-Dec-21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00		0.00	0.00	
DS-161002	Readout boards	1736 01-Apr-17*		\$0.00	\$1,566,600.00	\$1,566,600.00	\$0.00	\$0.00	\$0.00		2238000.00			0.00	0.00	
DS-161003	Readout boards	1736 01-Apr-17*	31-Dec-21	\$700,000.00	\$0.00	\$700,000.00	\$0.00	\$0.00	\$0.00	1000000.00		1000000.00		0.00	0.00	
DS-161005	Readout boards for veto	1736 01-Apr-17*	31-Dec-21	\$159,500.00	\$630,000.00	\$789,500.00	\$0.00	\$0.00	\$0.00		900000.00	900000.00	145000.00	145000.00	0.00	
C Davis		1461 15-Jul-18	14-Jul-22	\$276,900.00	\$548,800.00	\$825,700.00	\$276,900.00	\$548,800.00	\$825,700.00	0.00	0.00	0.00	0.00	0.00 0.00	0.00 0.00 0.00	
DS-124880	HV System Procurement	1096 15-Jul-18*	14-Jul-21	\$0.00	\$183,600.00	\$183,600.00	\$0.00	\$183,600.00	\$183,600.00			0.00		0.00	0.00	_
	-															
DS-124900	HV System Labor	1096 15-Jul-18*	14-Jul-21	\$92,300.00	\$0.00	\$92,300.00	\$92,300.00	\$0.00				0.00		0.00	0.00	
DS-120640	Field Cage	153 01-Mar-19*	_	\$0.00	\$7,000.00	\$7,000.00	\$0.00	\$7,000.00				0.00		0.00	0.00	
DS-120660	Reflector Cage	153 01-Mar-19*	31-Jul-19	\$0.00	\$5,000.00	\$5,000.00	\$0.00	\$5,000.00	\$5,000.00			0.00		0.00	0.00	
DS-120680	HV System	153 01-Mar-19*	31-Jul-19	\$0.00	\$5,000.00	\$5,000.00	\$0.00	\$5,000.00				0.00		0.00	0.00	
DS-122640	Field Cage	183 01-Jul-19*	30-Dec-19	\$0.00	\$22,000.00	\$22,000.00	\$0.00	\$22,000.00				0.00		0.00	0.00	
DS-123300	Reflector Cage	183 01-Jul-19*	30-Dec-19	\$0.00	\$17,000.00	\$17,000.00	\$0.00	\$17,000.00	\$17,000.00			0.00		0.00	0.00	
DS-123960	HV System	183 01-Jul-19*	30-Dec-19	\$0.00	\$76,000.00	\$76,000.00	\$0.00	\$76,000.00	\$76,000.00			0.00		0.00	0.00	
DS-123500	Field Cage	1110 01-Jul-19*	14-Jul-22	\$0.00	\$119,600.00	\$119,600.00	\$0.00	\$119,600.00	\$119,600.00			0.00		0.00	0.00	
DS-123501	Field Cage Labor	1110 01-Jul-19*	14-Jul-22	\$92,300.00	\$0.00	\$92,300.00	\$92,300.00	\$0.00	\$92,300.00			0.00		0.00	0.00	
DS-123800	Reflector Cage	1110 01-Jul-19*	14-Jul-22	\$0.00	\$113,600.00	\$113,600.00	\$0.00	\$113,600.00				0.00		0.00	0.00	
DS-123801	Reflector Cage Labor	1110 01-Jul-19*	14-Jul-22	\$92,300.00	\$0.00	\$92,300.00	\$92,300.00	\$0.00				0.00		0.00	0.00	
CLA		2009 01-Mar-17		\$0.00	\$4.044.000.00	\$4.044.000.00			\$1,492,000.00	0.00	0.00	0.00	0.00 2	320000.00 2320000.00	0.00	
			The second second		7. 7			. , . ,			0.00	0.00	0.00		5.55	
DS-125680	Condenser Box	1035 01-Mar-17*		\$0.00	\$72,000.00	\$72,000.00	\$0.00	\$72,000.00				0.00		0.00	0.00	
DS-126600	Integrated Radon Trap	1035 01-Mar-17*	30-Dec-19	\$0.00	\$165,000.00	\$165,000.00	\$0.00	\$165,000.00	\$165,000.00			0.00		0.00	0.00	
DS-125880	Gas Circulation Pump	821 01-Oct-17*	30-Dec-19	\$0.00	\$50,000.00	\$50,000.00	\$0.00	\$50,000.00	\$50,000.00			0.00		0.00	0.00	
DS-126120	Gas Panel	729 01-Jan-18*	30-Dec-19	\$0.00	\$101,000.00	\$101,000.00	\$0.00	\$101,000.00	\$101,000.00			0.00		0.00	0.00	
DS-126460	Slow Control	729 01-Jan-18*	30-Dec-19	\$0.00	\$10,000.00	\$10,000.00	\$0.00	\$10,000.00				0.00		0.00	0.00	
DS-197000	Cryogenics	731 01-Apr-18*		\$0.00	\$584,000.00	\$584,000.00	\$0.00	\$584,000.00				0.00		0.00	0.00	
DS-127200	DarkSide-Prototype Cryogenics System	671 01-Mar-19*	30-Dec-20	\$0.00	\$50,000.00	\$50,000.00	\$0.00	\$50,000.00				0.00		0.00	0.00	
DS-120720	TPC integration at CERN	152 01-Jun-19*	30-Oct-19	\$0.00	\$13,000.00	\$13,000.00	\$0.00	\$13,000.00				0.00		0.00	0.00	
	-											0.00		0.00	0.00	
DS-126480	Test System Integration at CERN	30 01-Jul-19*	30-Jul-19	\$0.00	\$5,000.00	\$5,000.00	\$0.00	\$5,000.00								·
DS-126500	Test at CERN	152 01-Aug-19*		\$0.00	\$2,000.00	\$2,000.00	\$0.00	\$2,000.00				0.00		0.00	0.00	
DS-126980	Final Gas circulation pump	457 01-Oct-19*	30-Dec-20	\$0.00	\$235,000.00	\$235,000.00	\$0.00	\$235,000.00				0.00		0.00	0.00	
DS-127060	Final gas panel and piping	457 01-Oct-19*	30-Dec-20	\$0.00	\$55,000.00	\$55,000.00	\$0.00	\$55,000.00				0.00		0.00	0.00	
DS-127100	Final transfer line	457 01-Oct-19*		\$0.00	\$35,000.00	\$35,000.00	\$0.00	\$35,000.00				0.00		0.00	0.00	
DS-124460	Internal Argon Loop Planning and Testing Procurement	653 01-Oct-19*	14-Jul-21	\$0.00	\$30,000.00	\$30,000.00	\$0.00	\$30,000.00	\$30,000.00			0.00		0.00	0.00	
DS-126800	Transportation to LNGS	58 01-Jan-20*	27-Feb-20	\$0.00	\$20,000.00	\$20,000.00	\$0.00	\$20,000.00	\$20,000.00			0.00		0.00	0.00	
DS-126900	Internal surface treatment requirement and procedure for	58 01-Jan-20*	27-Feb-20	\$0.00	\$5,000.00	\$5,000.00	\$0.00	\$5,000.00	\$5,000.00			0.00		0.00	0.00	
DS-126920	Final Condenser Box	305 01-Mar-20*		\$0.00	\$30,000.00	\$30,000.00	\$0.00	\$30,000.00				0.00		0.00	0.00	
DS-110300	Cryogenics System	698 01-Jun-20*	29-Apr-22	\$0.00	\$2,552,000.00	\$2,552,000.00	\$0.00	\$0.00	\$0.00			0.00	2:	320000.00 2320000.00	0.00	
DS-127140	Integration at LNGS	181 31-Dec-20*		\$0.00	\$20,000.00	\$20,000.00	\$0.00	\$20,000.00				0.00		0.00	0.00	
DS-127160		426 01-Jul-21*	30-Aug-22	\$0.00	\$10,000.00	\$10,000.00	\$0.00	\$10,000.00				0.00		0.00	0.00	
	Test and commissioning		_							0.00	-0.00		0.00			
		1369 01-Jul-18	30-Mar-22	\$5,000.00	\$30,000.00	\$35,000.00	\$5,000.00	\$30,000.00	\$35,000.00	0.00	0.00	0.00	0.00	0.00	0.00 0.00 0.00	
irginia Tech.				05.000.00	#20,000,00	005.000.00									0.00	
rginia Tech. DS-141003	Sources - ?-ray	1369 01-Jul-18*	30-Mar-22	\$5,000.00	\$30,000.00	\$35,000.00	\$5,000.00	\$30,000.00	\$35,000.00			0.00		0.00	0.00	

arkSide Currer	t							DS Layout-A	II Currencies										11-May-1
/ ID	Activity Name	Original Start Duration	Finish	Global Labor Cost Glo	obal Non Labor Cost [USD]	Global Total Cost	Labor Cost USA [USD]	Non Labor Cost Tota	al Cost USA Labor Cost [USD] CAN [CAD]	Non Labor Cost CAN [CAD]	Total Cost Labor Cost N		abor Cost Non I	Labor Cost Total UK [GBP] UK [C		2017		2019 2020	2021
aragoza Univ	,	1736 01-Apr-17	31-Dec-21	\$0.00	\$274,300.00	\$274,300.00	\$0.00	\$0.00	\$0.00	0.00	0.00 0.00	0.00 0.00		211000.00 21100	- الا		مامامامام		
DS-130505	Materials Radiopurity Assay - Radioc. And Mass. Spec	1736 01-Apr-17*		\$0.00	\$208,000.00	\$208,000.00	\$0.00	\$0.00	\$0.00		0.00	0.00		160000.00 16000					
DS-130506	Materials Radiopurity Assay - Large surf. Assay - LSC as	1736 01-Apr-17*		\$0.00	\$66,300.00	\$66,300.00	\$0.00	\$0.00	\$0.00		0.00	0.00		51000.00 5100					
DS-130400	Cosmogenic & Intrinsic Activity	1280 01-Jul-18*	31-Dec-21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00	0.00			0.00		-	: : : : : : : : : : : : : : : : : : :	
Bologna		1096 01-Oct-19	30-Sep-22	\$0.00	\$4,015,000.00	\$4,015,000.00	\$0.00	\$0.00	\$0.00	0.00	0.00	3650000.00 3650000.00	0.00	0.00	0.00			1	
DS-503000	Silicon packaging equipments	1096 01-Oct-19*		\$0.00	\$3,795,000.00	\$3,795,000.00	\$0.00	\$0.00	\$0.00		0.00	3450000.00 3450000.00			0.00			-	: : : : :
DS-503001	Silicon packaging equipments	1096 01-Oct-19*		\$0.00	\$220,000.00	\$220,000.00	\$0.00	\$0.00	\$0.00	0.00	0.00	200000.00 200000.00	0.00		0.00		<u></u>		
CA		1492 01-Jan-19		\$550,000.00	\$2,539,900.00	\$3,089,900.00	\$0.00	\$0.00	\$0.00	0.00	0.00 500000.00	2309000.00 2809000.00	0.00	0.00	0.00				
DS-3142	Energy and Maintenance for Seruci-0	365 01-Jan-19*		\$0.00	\$220,000.00	\$220,000.00	\$0.00	\$0.00	\$0.00		0.00	200000.00 200000.00			0.00				
DS-331 DS-334	Cryogenics and gas system DART purchases DART integration	31 30-Apr-19* 31 30-Apr-19*		\$0.00 \$0.00	\$132,000.00 \$11,000.00	\$132,000.00 \$11,000.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00		0.00	120000.00 120000.00 10000.00 10000.00			0.00				
DS-3141	Installation Commissioning & Running Seruci-0	214 01-Jun-19*	31-Dec-19	\$0.00	\$110,000.00	\$110,000.00	\$0.00	\$0.00	\$0.00		0.00	10000.00 100000.00			0.00				
DS-3148	Personnel on Shift	1341 01-Jun-19	31-Jan-23	\$550,000.00	\$0.00	\$550,000.00	\$0.00	\$0.00	\$0.00		0.00 500000.00	500000.00			0.00	1-1-1			
DS-336	travel from INFN DART integration	57 02-Jul-19*	27-Aug-19	\$0.00	\$11,000.00	\$11,000.00	\$0.00	\$0.00	\$0.00		0.00	10000.00 10000.00			0.00				
DS-344	travel from INFN TO LSC	1250 30-Jul-19*	30-Dec-22	\$0.00	\$55,000.00	\$55,000.00	\$0.00	\$0.00	\$0.00		0.00	50000.00 50000.00			0.00				
DS-337 DS-347	Transportation to LSC DART	6 23-Dec-19* 32 30-Dec-19*	29-Dec-19 30-Jan-20	\$0.00 \$0.00	\$13,200.00 \$2,200.00	\$13,200.00 \$2,200.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00		0.00	12000.00 12000.00 2000.00 2000.00			0.00				
DS-3143	argon shipping from DS50 Commissioning & Running Seruci-1	944 01-Jun-20*	31-Dec-22	\$0.00	\$335,500.00	\$335,500.00	\$0.00	\$0.00	\$0.00		0.00	305000.00 305000.00			0.00			}	
DS-3145	Energy and Maintenance for Seruci-1 purification mode	944 01-Jun-20*	31-Dec-22	\$0.00	\$1,320,000.00	\$1,320,000.00	\$0.00	\$0.00	\$0.00		0.00	1200000.00 1200000.00			0.00				
DS-3146	Was te dis po sa l	944 01-Jun-20*	31-Dec-22	\$0.00	\$110,000.00	\$110,000.00	\$0.00	\$0.00	\$0.00		0.00	100000.00 100000.00			0.00				1 1 1 1 1 1
DS-3147	Shipping from Seruci to LNGS	396 01-Jan-22*	31-Jan-23	\$0.00	\$220,000.00	\$220,000.00	\$0.00	\$0.00	\$0.00		0.00	200000.00 200000.00			0.00				
ETHZ		92 30-Apr-19	30-Jul-19	\$0.00	\$38,500.00	\$38,500.00	\$0.00	\$0.00	\$0.00	0.00	0.00	35000.00 35000.00	0.00	0.00	0.00			T	
DS-333	new single phase setup design and assembly ArDM	62 30-Apr-19*		\$0.00	\$38,500.00	\$38,500.00	\$0.00	\$0.00	\$0.00		0.00	35000.00 35000.00			0.00				
DS-332	infrastructure update at LSC (inkind)	31 30-Jun-19* 2585 01-Feb-16		\$0.00 \$835,507.20	\$0.00	\$0.00 \$8,138,979.20	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 0.00		0.00 759552.00	0.00	0.00		0.00			<u> </u>	
INFN-CA					\$7,303,472.00					0.00		6639520.00 7399072.00	0.00	0.00	0.00				
DS-3111	Column Sections Construction	1049 01-Feb-16*		\$0.00	\$4,290,000.00	\$4,290,000.00	\$0.00	\$0.00	\$0.00		0.00	3900000.00 3900000.00			0.00				
DS-3112 DS-3113	Column Sections Construction Column Sections Construction	1049 01-Feb-16* 1049 01-Feb-16*	15-Dec-18 15-Dec-18	\$0.00 \$0.00	\$880,000.00 \$503,518.40	\$880,000.00 \$503,518.40	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00		0.00	800000.00 800000.00 457744.00 457744.00			0.00	444			
DS-3134	Column Construction	1049 01-Feb-16*	15-Dec-18	\$0.00	\$481,553.60	\$481,553.60	\$0.00	\$0.00	\$0.00		0.00	437776.00 437776.00			0.00				
DS-3115	Leak Test at Polaris (travel)	837 01-Aug-16*	15-Nov-18	\$0.00	\$35,200.00	\$35,200.00	\$0.00	\$0.00	\$0.00		0.00	32000.00 32000.00			0.00				
DS-3128	Electrical and Vacuum Components	335 01-Jul-18*	31-May-19	\$0.00	\$31,900.00	\$31,900.00	\$0.00	\$0.00	\$0.00		0.00	29000.00 29000.00			0.00			- :::	
DS-31281	Electrical and Vacuum Components 2	670 01-Jul-18*	30-Apr-20	\$0.00	\$33,000.00	\$33,000.00	\$0.00	\$0.00	\$0.00		0.00	30000.00 30000.00			0.00				
DS-3122 DS-3126	Nitrogen Storage for Seruci-0 Water Cooling System for Seruci-0	183 30-Sep-18* 183 30-Sep-18*	31-Mar-19 31-Mar-19	\$0.00 \$0.00	\$44,000.00 \$55,000.00	\$44,000.00 \$55,000.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00		0.00	4000.00 40000.00 50000.00 50000.00			0.00				
DS-3125	Chiller	243 01-Oct-18*	31-May-19	\$0.00	\$47,300.00	\$47,300.00	\$0.00	\$0.00	\$0.00		0.00	43000.00 43000.00			0.00			-	
DS-3117	Leak Test at CERN (measurement)	1 31-Dec-18*	31-Dec-18	\$0.00	\$67,100.00	\$67,100.00	\$0.00	\$0.00	\$0.00		0.00	61000.00 61000.00			0.00			THEFT	
DS-3124	Engineering and Review	516 01-Feb-19*	30-Jun-20	\$0.00	\$88,000.00	\$88,000.00	\$0.00	\$0.00	\$0.00		0.00	80000.00 80000.00			0.00				
DS-3123	Service Gas for Installation	61 01-Apr-19*	31-May-19	\$0.00	\$55,000.00	\$55,000.00	\$0.00	\$0.00	\$0.00		0.00	50000.00 50000.00			0.00			-	
DS-3127	Leak Detector	5 30-Apr-19*	04-May-19	\$0.00	\$44,000.00	\$44,000.00	\$0.00 \$0.00	\$0.00	\$0.00		0.00	40000.00 40000.00			0.00				
DS-3129 A1050	Residual Gas Analyzer Personnel Spent	154 01-May-19* 1 07-May-19*	01-Oct-19 07-May-19	\$0.00 \$34,100.00	\$134,200.00 \$0.00	\$134,200.00 \$34,100.00	\$0.00	\$0.00 \$0.00	\$0.00 \$0.00		0.00 31000.00	122000.00 122000.00 31000.00			0.00				
A1060	Personnel Spent	1 07-May-19*	-	\$46,481.60	\$0.00	\$46,481.60	\$0.00	\$0.00	\$0.00		0.00 42256.00	42256.00			0.00				
A1070	Personner spent	1 07-May-19*	07-May-19	\$39,925.60	\$0.00	\$39,925.60	\$0.00	\$0.00	\$0.00		0.00 36296.00	36296.00			0.00	1-1-1-1			
A1010	Travel	1394 07-May-19*		\$0.00	\$18,700.00	\$18,700.00	\$0.00	\$0.00	\$0.00		0.00	17000.00 17000.00			0.00			: 	
A1020	Travel	1394 07-May-19*		\$0.00	\$55,000.00	\$55,000.00	\$0.00	\$0.00	\$0.00		0.00	50000.00 50000.00			0.00				: : : : :
A1030 A1040	Travel	1394 07-May-19* 1394 07-May-19*		\$0.00 \$0.00	\$67,100.00 \$55,000.00	\$67,100.00 \$55,000.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00		0.00	61000.00 61000.00 50000.00 50000.00			0.00				
A1080	Personnel	1394 07-May-19*		\$165,000.00	\$0.00	\$165,000.00	\$0.00	\$0.00	\$0.00		0.00 150000.00	150000.00			0.00				
A1090	Personnel RAS4	1394 07-May-19*		\$550,000.00	\$0.00	\$550,000.00	\$0.00	\$0.00	\$0.00		0.00 500000.00	500000.00			0.00				
A1100	Safety	1394 07-May-19*		\$0.00	\$110,000.00	\$110,000.00	\$0.00	\$0.00	\$0.00		0.00	100000.00 100000.00			0.00				:
DS-345	argon shipping from Aria	1250 30-Jul-19*	30-Dec-22	\$0.00	\$8,800.00	\$8,800.00	\$0.00	\$0.00	\$0.00		0.00	8000.00 8000.00			0.00				
DS-3133	Cryogenic Trasnfer Lines for Seruci-1	1 01-Sep-19* 1341 30-Apr-19		\$0.00 \$0.00	\$199,100.00 \$0.00	\$199,100.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00 0.00	0.00	0.00	181000.00 181000.00 0.00 0.00	0.00		0.00			<u> </u>	.4444444
LSC	London who are inter-									0.00			0.00						
DS-340 DS-346	Lead purchase inkind Inkind operation electricity costs and atmospheric argon v	245 30-Apr-19* 154 30-Jul-19*	30-Dec-19 30-Dec-19	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00		\$0.00 \$0.00	\$0.00 \$0.00		0.00	0.00			0.00				
DS-348	Inkind operation electricity costs and atmospheric argoniv	1097 30-Dec-19*		\$0.00	\$0.00	\$0.00		\$0.00	\$0.00		0.00	0.00			0.00				<u> </u>
UNICA		62 30-Apr-19		\$0.00	\$16,500.00	\$16,500.00			\$0.00	0.00		15000.00 15000.00	0.00	0.00	0.00			₩	
DS-325	Slow Control DART	62 30-Apr-19*	30-Jun-19	\$0.00	\$16,500.00	\$16,500.00	\$0.00	\$0.00	\$0.00		0.00	15000.00 15000.00			0.00	1-1-1-1			
JZ		1341 30-Apr-19		\$0.00	\$152,900.00	\$152,900.00			\$0.00 0.00	0.00		139000.00 139000.00	0.00		0.00			- 	
DS-338	trigger integration	92 30-Apr-19*	30-Jul-19	\$0.00	\$5,500.00	\$5,500.00	\$0.00	\$0.00	\$0.00		0.00	5000.00 5000.00			0.00				
DS-339	DAQ integration	92 30-Apr-19*		\$0.00	\$37,400.00	\$37,400.00	\$0.00	\$0.00	\$0.00		0.00	34000.00 34000.00			0.00				
DS-349	Feasibilility study Gas Detector Proposal (inkind)	154 30-Apr-19*		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		0.00	0.00			0.00				. [.] [.] [.].
DS-350	Construction and operation Gas Detector Proposal	1188 30-Sep-19*		\$0.00	\$110,000.00	\$110,000.00	\$0.00	\$0.00	\$0.00		0.00	100000.00 100000.00	0.00		0.00				
Rome1		183 01-Jul-19		\$0.00	\$165,000.00	\$165,000.00	\$0.00		\$0.00	0.00	0.00	150000.00 150000.00	0.00	0.00	0.00				
DS-121320	Prototype TPC Components			\$0.00	\$165,000.00	\$165,000.00	\$0.00		\$0.00	440000	0.00	150000.00 150000.00	0.00		0.00				
No DS_Institu		895 01-Jun-19		\$0.00	\$363,000.00	\$363,000.00	\$0.00		\$0.00	440000.00		50000.00 50000.00	0.00	0.00	0.00				
DS-3144	argon storage facilities at Seruci	1310 01-Jun-19*	31-Dec-22	\$0.00	\$55,000.00	\$55,000.00	\$0.00	\$0.00	\$0.00		0.00	50000.00 50000.00			0.00		<u> </u>		
	ining Level of Effort Actual Work		Critical Rema	ining Mark				Page	0 - 6 7			TASK filter: All	41: - :41:						

DarkSide Curren	nt							DS Layout-A	II Currencies				11-May-19 16:4
vity ID	Activity Name	Original Start Duration	Finish	Global Labor Cost Global [USD]	obal Non Labor Cost	Global Total Cost (USD)				st Non Labor Cost Total Cos	st Labor Cost Non Labor Cost Total Cost Labor Cost Non Labor Cos D] EU [EUR] EU [EUR] UK [GBP] UK [GBP]	st Total Cost 2017 2018	2019 2020 2021 2022 QQQQQQQQQQQQQQQQQQQQQQQQ
DS-3331	DART Integration and tests	119 02-Jul-19*		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.0		0.00	
			Critical Rema	ining Work				Page	7 of 7		TASK filter: All Activities		© Oracle Corporat