

DarkSide Current					DS Layout-All Currencies												11-May-19 16:41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Activity ID	Activity Name	Original Duration	Start	Finish	Global Labor Cost [USD]	Global Non Labor Cost [USD]	Global Total Cost [USD]	Labor Cost USA [USD]	Non Labor Cost USA [USD]	Total Cost USA [USD]	Labor Cost CAN [CAD]	Non Labor Cost CAN [CAD]	Total Cost CAN [CAD]	Labor Cost EU [EUR]	Non Labor Cost EU [EUR]	Total Cost EU [EUR]	Labor Cost UK [GBP]	Non Labor Cost UK [GBP]	Total Cost UK [GBP]	201720182019202020212022J23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q

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Activity ID	Activity Name	Original Duration	Start	Finish	Global Labor Cost [USD]	Global Non Labor Cost [USD]	Global Total Cost [USD]	Labor Cost USA [USD]	Non Labor Cost USA [USD]	Total Cost USA [USD]	Labor Cost CAN [CAD]	Non Labor Cost CAN [CAD]	Total Cost CAN [CAD]	Labor Cost EU [EUR]	Non Labor Cost EU [EUR]	Total Cost EU [EUR]	Labor Cost UK [GBP]	Non Labor Cost UK [GBP]	Total Cost UK [GBP]	201720182019202020212022																												
	DS-112100	Motherboard-cleaning	2007	01-Jan-17*	30-Jun-22	\$0.00	\$275,000.00	\$275,000.00	\$0.00	\$0.00	\$0.00			0.00		250000.00	250000.00			0.00																												
	DS-130200	Surface contamination, Handling & Process Development	1096	01-Jan-19*	31-Dec-21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00			0.00			0.00																												
INFN-TO			2007	01-Jan-17	30-Jun-22	\$0.00	\$344,300.00	\$344,300.00	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00	0.00	313000.00	313000.00	0.00	0.00	0.00																												
	LATER2	Integrated electronics	2007	01-Jan-17*	30-Jun-22	\$0.00	\$344,300.00	\$344,300.00	\$0.00	\$0.00	\$0.00			0.00		313000.00	313000.00			0.00																												
Alberta			1110	01-Jul-19	14-Jul-22	\$630,000.00	\$5,530,000.00	\$6,160,000.00	\$0.00	\$0.00	\$0.00	900000.00	7900000.00	8800000.00	0.00	0.00	0.00	0.00	0.00	0.00																												
	DS-121980	TPC Acrylic Vessel	183	01-Jul-19*	30-Dec-19	\$0.00	\$140,000.00	\$140,000.00	\$0.00	\$0.00	\$0.00			200000.00	200000.00		0.00			0.00																												
	DS-122580	Vessel (Acrylic)	1110	01-Jul-19*	14-Jul-22	\$0.00	\$3,080,000.00	\$3,080,000.00	\$0.00	\$0.00	\$0.00			4400000.00	4400000.00		0.00			0.00																												
	DS-122600	Acrylic Bonding	1110	01-Jul-19*	14-Jul-22	\$0.00	\$140,000.00	\$140,000.00	\$0.00	\$0.00	\$0.00			200000.00	200000.00		0.00			0.00																												
	DS-122620	Acrylic bonding structure	1110	01-Jul-19*	14-Jul-22	\$0.00	\$210,000.00	\$210,000.00	\$0.00	\$0.00	\$0.00			300000.00	300000.00		0.00			0.00																												
	DS-1226401	Q/A Slow Control Bonding Test	1110	01-Jul-19*	14-Jul-22	\$0.00	\$105,000.00	\$105,000.00	\$0.00	\$0.00	\$0.00			150000.00	150000.00		0.00			0.00																												
	DS-122660	Annealing and control	1110	01-Jul-19*	14-Jul-22	\$0.00	\$70,000.00	\$70,000.00	\$0.00	\$0.00	\$0.00			100000.00	100000.00		0.00			0.00																												
	DS-122680	Vessel Engineering	1110	01-Jul-19*	14-Jul-22	\$350,000.00	\$0.00	\$350,000.00	\$0.00	\$0.00	\$0.00	500000.00		500000.00			0.00			0.00																												
	DS-122700	Vessel Engineer Travel	1110	01-Jul-19*	14-Jul-22	\$0.00	\$70,000.00	\$70,000.00	\$0.00	\$0.00	\$0.00			100000.00	100000.00		0.00			0.00																												
	DS-122720	Contract to RPT/X	1110	01-Jul-19*	14-Jul-22	\$0.00	\$1,400,000.00	\$1,400,000.00	\$0.00	\$0.00	\$0.00			2000000.00	2000000.00		0.00			0.00																												
	DS-122740	TPC Vessel Support	1110	01-Jul-19*	14-Jul-22	\$0.00	\$105,000.00	\$105,000.00	\$0.00	\$0.00	\$0.00			150000.00	150000.00		0.00			0.00																												
	DS-122760	Technician Support	1110	01-Jul-19*	14-Jul-22	\$280,000.00	\$0.00	\$280,000.00	\$0.00	\$0.00	\$0.00	400000.00		400000.00			0.00			0.00																												
	DS-122780	Technician travel	1110	01-Jul-19*	14-Jul-22	\$0.00	\$70,000.00	\$70,000.00	\$0.00	\$0.00	\$0.00			100000.00	100000.00		0.00			0.00																												
	DS-122800	Physicist Travel	1110	01-Jul-19*	14-Jul-22	\$0.00	\$70,000.00	\$70,000.00	\$0.00	\$0.00	\$0.00			100000.00	100000.00		0.00			0.00																												
	DS-122820	RPT/X for R&D	1110	01-Jul-19*	14-Jul-22	\$0.00	\$70,000.00	\$70,000.00	\$0.00	\$0.00	\$0.00			100000.00	100000.00		0.00			0.00																												
AstroCeNT			640	30-Sep-19	30-Jun-21	\$0.00	\$737,600.00	\$737,600.00	\$0.00	\$0.00	\$0.00	0.00	400000.00	400000.00	0.00	416000.00	416000.00	0.00	0.00	0.00																												
	DS-153000	Development of VETO Reflectors	275	30-Sep-19*	30-Jun-20	\$0.00	\$11,000.00	\$11,000.00	\$0.00	\$0.00	\$0.00			0.00		10000.00	10000.00			0.00																												
	DS-154000	Procurement of VETO Reflectors	366	30-Jun-20*	30-Jun-21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00			0.00			0.00																												
	DS-154001	Procurement of VETO Reflectors - 3M foil	366	30-Jun-20*	30-Jun-21	\$0.00	\$280,000.00	\$280,000.00	\$0.00	\$0.00	\$0.00			400000.00	400000.00				0.00																													
	DS-154002	Procurement of VETO Reflectors - 3M foil	366	30-Jun-20*	30-Jun-21	\$0.00	\$89,100.00	\$89,100.00	\$0.00	\$0.00	\$0.00			0.00		81000.00	81000.00			0.00																												
	DS-154003	Procurement of VETO Reflectors - 3M foil	366	30-Jun-20*	30-Jun-21	\$0.00	\$137,500.00	\$137,500.00	\$0.00	\$0.00	\$0.00			0.00		125000.00	125000.00			0.00																												
	DS-154004	Procurement of VETO Reflectors - TPB	366	30-Jun-20*	30-Jun-21	\$0.00	\$82,500.00	\$82,500.00	\$0.00	\$0.00	\$0.00			0.00		75000.00	75000.00			0.00																												
	DS-154005	Procurement of VETO Reflectors - TPB	366	30-Jun-20*	30-Jun-21	\$0.00	\$137,500.00	\$137,500.00	\$0.00	\$0.00	\$0.00			0.00		125000.00	125000.00			0.00																												
BHSU			1736	01-Apr-17	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	0.00	0.00	0.00	0.00	0.00	0.00																												
	DS-130501	Materials Radiopurity Assay - BHSU as says	1736	01-Apr-17*	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																												
BNRU / MSU			1369	01-Jul-18	30-Mar-22	\$121,000.00	\$209,000.00	\$330,000.00	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00	110000.00	190000.00	300000.00	0.00	0.00	0.00																												
	DS-141005	Sources - 252Cf	1369	01-Jul-18*	30-Mar-22	\$11,000.00	\$22,000.00	\$33,000.00	\$0.00	\$0.00	\$0.00			0.00	10000.00	20000.00	30000.00			0.00																												
	DS-141006	Sources - UV led for VETO calibration	1369	01-Jul-18*	30-Mar-22	\$0.00	\$22,000.00	\$22,000.00	\$0.00	\$0.00	\$0.00			0.00		20000.00	20000.00			0.00																												
	DS-141007	Sources - Pyroelectric neutron generator	1369	01-Jul-18*	30-Mar-22	\$110,000.00	\$165,000.00	\$275,000.00	\$0.00	\$0.00	\$0.00			0.00	100000.00	150000.00	250000.00			0.00																												
CERN			1178	11-Oct-18	31-Dec-21	\$0.00	\$6,459,200.00	\$6,459,200.00	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00	0.00	5872000.00	5872000.00	0.00	0.00	0.00																												
	DS-110100	Warm Structure	614	11-Oct-18*	15-Jun-20	\$0.00	\$2,299,000.00	\$2,299,000.00	\$0.00	\$0.00	\$0.00			0.00		2090000.00	2090000.00			0.00																												
	DS-110200	Cold Cryostat	962	15-May-19*	31-Dec-21	\$0.00	\$4,160,200.00	\$4,160,200.00	\$0.00	\$0.00	\$0.00			0.00		3782000.00	3782000.00			0.00																												
CIEMAT			2100	01-Apr-17	30-Dec-22	\$38,500.00																																										



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Zaragoza 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	0.00	0.00	211000.00	211000.00																									
DS-130505	Materials Radiopurity Assay - Radoc. 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																									
DS-130506	Materials Radiopurity Assay - Large surf. Assay - LSC as	1736	01-Apr-17*	31-Dec-21	\$0.00	\$66,300.00	\$66,300.00	\$0.00	\$0.00	\$0.00			0.00			0.00		51000.00	51000.00																									
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	0.00	0.00	3650000.00	3650000.00	0.00	0.00	0.00																									
DS-503000	Silicon packaging equipments	1096	01-Oct-19*	30-Sep-22	\$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*	30-Sep-22	\$0.00	\$220,000.00	\$220,000.00	\$0.00	\$0.00	\$0.00			0.00		200000.00	200000.00			0.00																									
CA		1492	01-Jan-19	31-Jan-23	\$550,000.00	\$2,539,900.00	\$3,089,900.00	\$0.00	\$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*	31-Dec-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	Cryogenics and gas system DART	31	30-Apr-19*	30-May-19	\$0.00	\$132,000.00	\$132,000.00	\$0.00	\$0.00	\$0.00			0.00		120000.00	120000.00			0.00																									
DS-334	purchases DART integration	31	30-Apr-19*	30-May-19	\$0.00	\$11,000.00	\$11,000.00	\$0.00	\$0.00	\$0.00			0.00		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		100000.00	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																									
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	Transportation to LSC DART	6	23-Dec-19*	29-Dec-19	\$0.00	\$13,200.00	\$13,200.00	\$0.00	\$0.00	\$0.00			0.00		12000.00	12000.00			0.00																									
DS-347	argon shipping from DS50	32	30-Dec-19*	30-Jan-20	\$0.00	\$2,200.00	\$2,200.00	\$0.00	\$0.00	\$0.00			0.00		2000.00	2000.00			0.00																									
DS-3143	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	Waste disposal	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																									
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	0.00	0.00	35000.00	35000.00	0.00	0.00	0.00																									
DS-333	new single phase setup design and assembly ArDM	62	30-Apr-19*	30-Jun-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*	30-Jul-19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00			0.00				0.00																								
INFN-CA		2585	01-Feb-16	28-Feb-23	\$835,507.20	\$7,303,472.00	\$8,138,979.20	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00	759552.00	6639520.00	7399072.00	0.00	0.00	0.00																									
DS-3111	Column Sections Construction	1049	01-Feb-16*	15-Dec-18	\$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	Column Sections Construction	1049	01-Feb-16*	15-Dec-18	\$0.00	\$880,000.00	\$880,000.00	\$0.00	\$0.00	\$0.00			0.00		800000.00	800000.00			0.00																									
DS-3113	Column Sections Construction	1049	01-Feb-16*	15-Dec-18	\$0.00	\$503,518.40	\$503,518.40	\$0.00	\$0.00	\$0.00			0.00		457744.00	457744.00			0.00																									
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	Nitrogen Storage for Seruci-0	183	30-Sep-18*	31-Mar-19	\$0.00	\$44,000.00	\$44,000.00	\$0.00	\$0.00	\$0.00			0.00		40000.00	40000.00			0.00																									
DS-3126	Water Cooling System for Seruci-0	183	30-Sep-18*	31-Mar-19	\$0.00	\$55,000.00	\$55,000.00	\$0.00	\$0.00	\$0.00			0.00		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																									
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		40000.00	40000.00			0.00																									
DS-3129	Residual Gas Analyzer	154	01-May-19*	01-Oct-19	\$0.00	\$134,200.00	\$134,200.00	\$0.00	\$0.00	\$0.00			0.00		122000.00	122000.00			0.00																									
A1050	Personnel Spent	1	07-May-19*	07-May-19	\$34,100.00	\$0.00	\$34,100.00	\$0.00	\$0.00	\$0.00			0.00	31000.00		31000.00			0.00																									
A1060	Personnel Spent	1	07-May-19*	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																									
A1010	Travel	1394	07-May-19*	28-Feb-23	\$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*	28-Feb-23	\$0.00	\$55,000.00	\$55,000.00	\$0.00	\$0.00	\$0.00			0.00		50000.00	50000.00			0.00																									
A1030	Travel	1394	07-May-19*	28-Feb-23	\$0.00	\$67,100.00	\$67,100.00	\$0.00	\$0.00	\$0.00			0.00		61000.00	61000.00			0.00																									
A1040	Travel	1394	07-May-19*	28-Feb-23	\$0.00	\$55,000.00	\$55,000.00	\$0.00	\$0.00	\$0.00			0.00		50000.00	50000.00			0.00																									
A1080	Personnel	1394	07-May-19*	28-Feb-23	\$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*	28-Feb-23	\$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*	28-Feb-23	\$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 Trasfer Lines for Seruci-1	1	01-Sep-19*	01-Sep-19	\$0.00	\$199,100.00	\$199,100.00	\$0.00	\$0.00	\$0.00			0.00		181000.00	181000.00			0.00																									
LSC		1341	30-Apr-19	30-Dec-22	\$0.00	\$0.00	\$0.00	\$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-340	Lead purchase inkind	245	30-Apr-19*	30-Dec-19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00			0.00				0.00																								
DS-346	Inkind operation electricity costs and atmospheric argon v	154	30-Jul-19*	30-Dec-19	\$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 argon v	1097	30-Dec-19*	30-Dec-22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			0.00			0.00				0.00																								
UNICA		62	30-Apr-19	30-Jun-19	\$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	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																									
UZ		1341	30-Apr-19	30-Dec-22	\$0.00	\$152,900.00	\$152,900.00	\$0.00	\$0.00	\$0.00	0.00	0.00	0.00	0.00	139000.00	139000.00	0.00	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*	30-Jul-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	Feasibility study Gas Detector Proposal (inkind)	154	30-Apr-19*	30-Sep-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*	30-Dec-22	\$0.00	\$110,000.00	\$110,000.00	\$0.00	\$0.00	\$0.00			0.00		100000.00</																													

[illegible]