

POM02 sPHENIX WBS 1.x, 2.x June 2021			In-progress activities June 2021 close					Page 1 of 2 pages			14-Jul-21 21:28		
Activity ID	Activity Name	@Compl Dur	%	Start	Finish	Expected Finish	TF	Direct FY19\$ -	Hours	Burd AY\$ - Total	FY2020 FY20	FY2021 FY21	FY2022 FY22
POM02 sPHENIX WBS 1.x, 2.x June 2021		654		21-Jun-19 A	03-Feb-22	03-Feb-22	245	3160012	19954	4,743,627.97			
MIE Project		654		21-Jun-19 A	03-Feb-22	03-Feb-22	245	3160012	19954	4,743,627.97			
Project Management		250		01-Oct-20 A	30-Sep-21	30-Sep-21	84	5000	1050	177,473.84			
Labor by FY		250		01-Oct-20 A	30-Sep-21	30-Sep-21	0	0	1050	170,568.39			
S103200	Mgmt Labor - A - MIE - FY21	250	74.4%	01-Oct-20 A	30-Sep-21*	30-Sep-21	0	0	1050	170,568.39			
Management Travel		250		01-Oct-20 A	30-Sep-21	30-Sep-21	84	5000	0	6,905.45			
S104200	Travel FY21	250	74.4%	01-Oct-20 A	30-Sep-21	30-Sep-21	84	5000	0	6,905.45			
TPC		320		06-Oct-20 A	20-Jan-22	20-Jan-22	255	1334793	5288	2,001,600.67			
TPC Mechanics		243		01-Feb-21 A	20-Jan-22	20-Jan-22	255	21102	1500	181,210.27			
TPC Assembly		243		01-Feb-21 A	20-Jan-22	20-Jan-22	255	21102	1500	181,210.27			
S121605	TPC Assembly Mechanical Engineering Support	243	43.62%	01-Feb-21 A	20-Jan-22	20-Jan-22	255	0	1500	156,597.44			
S121650	Procure Piping Fittings	81	50%	17-May-21 A	09-Sep-21	10-Aug-21	27	1102	0	1,279.07			
S121950	TPC Assembly technical Support	78	33%	01-Jun-21 A	20-Sep-21	15-Oct-21	32	20000	0	23,333.76			
TPC R1 Modules		176		11-Jan-21 A	20-Sep-21	20-Sep-21	30	0	1920	126,346.80			
TPC R1 Module Production		176		11-Jan-21 A	20-Sep-21	20-Sep-21	30	0	1920	126,346.80			
S125500	Build TPC R1 Modules	166	85%	11-Jan-21 A	03-Sep-21	03-Sep-21	30	0	960	63,173.40			
S125600	Test TPC R1 Modules	176	85%	11-Jan-21 A	20-Sep-21	20-Sep-21	30	0	960	63,173.40			
TPC FEE		288		02-Nov-20 A	29-Dec-21	29-Dec-21	269	696568	1500	928,521.07			
TPC FEE Production		288		02-Nov-20 A	29-Dec-21	29-Dec-21	269	696568	1500	928,521.07			
S136500	Procure TPC FEE Cooling System - Delivery Acceptance	98	17.8%	15-Mar-21 A	30-Jul-21	30-Jul-21	127	60155	0	69,820.96			
S141500	Procure TPC FEE Production Components, Phase 1 (Optical Transceiver Components)	98	33.2%	15-Mar-21 A	30-Jul-21	30-Jul-21	4	29663	0	34,429.38			
S141800	Procure TPC FEE Production Components, Phase 2 (All except Optical and SAMPA) -	186	85%	02-Nov-20 A	30-Jul-21	30-Jul-21	4	266694	0	309,547.54			
S142500	Procure TPC FEE LV Power Supplies - Delivery Acceptance	132	80.2%	25-Jan-21 A	30-Jul-21	30-Jul-21	65	190056	0	220,595.02			
S143250	TPC Front End Electronics Protection Components	117	33.2%	15-Feb-21 A	30-Jul-21	30-Jul-21	50	150000	0	174,102.65			
S143270	TPC FEE Electrical Engineering Support 1	229	46.52%	01-Feb-21 A	29-Dec-21	29-Dec-21	269	0	1500	120,025.52			
S143271	TPC FEE Electrical Engineering Support 2	229	46.52%	01-Feb-21 A	29-Dec-21	29-Dec-21	269	0	0	0.00			
TPC DAM		270		02-Dec-20 A	30-Dec-21	30-Dec-21	268	130362	368	199,755.42			
TPC DAM Production		270		02-Dec-20 A	30-Dec-21	30-Dec-21	268	130362	368	199,755.42			
S147300	Procure TPC DAM Felix 2.0 Boards - Delivery Acceptance	166	80%	02-Dec-20 A	29-Jul-21	29-Jul-21	35	130362	0	151,309.13			
S147380	TPC DAM Electrical Engineering Support	230	45%	01-Feb-21 A	30-Dec-21	30-Dec-21	268	0	368	48,446.29			
TPC Support Systems		226		06-Oct-20 A	31-Aug-21	31-Aug-21	102	486761	0	565,767.12			
TPC Laser System		226		06-Oct-20 A	31-Aug-21	02-Aug-21	102	419640	0	487,069.56			
S149600	Procure TPC Lasers - Delivery Acceptance	215	50%	06-Oct-20 A	16-Aug-21	22-Jul-21	102	145840	0	169,274.20			
S149650	TPC Diffuse Lasers	147	50%	04-Jan-21 A	02-Aug-21	02-Aug-21	57	200000	0	232,136.86			
S150300	Procure TPC Optics with Mirrors - Delivery Acceptance	209	50%	13-Oct-20 A	12-Aug-21	15-Jul-21	107	58800	0	68,248.24			
S150500	Procure TPC mirror bundles with supports M&S	161	50%	13-Jan-21 A	31-Aug-21	15-Jul-21	102	15000	0	17,410.26			
TPC Gas System		162		12-Jan-21 A	31-Aug-21	31-Aug-21	40	67121	0	78,697.55			
S152300	Procure TPC Gas System Equipment - Contract/PO - Delivery Acceptance	139	70%	12-Jan-21 A	29-Jul-21	29-Jul-21	40	33035	0	38,343.21			
S153700	Procure TPC Gas System Components for Installation - Delivery Acceptance	125	70%	08-Mar-21 A	31-Aug-21	31-Aug-21	40	34086	0	40,354.35			
EMCal		654		21-Jun-19 A	03-Feb-22	03-Feb-22	245	924250	13056	1,515,410.13			
EMCAL Block Fabrication		610		21-Jun-19 A	30-Nov-21	30-Nov-21	289	636163	9536	909,101.62			
EMCAL Final Block Production		610		21-Jun-19 A	30-Nov-21	30-Nov-21	289	636163	9536	909,101.62			
Order Material for EMCAL Final Block Production		610		21-Jun-19 A	30-Nov-21	30-Nov-21	289	629683	9360	893,856.39			
S171800	Procure EMCAL Epoxy for Final Blocks - Delivery Acceptance	240	55%	03-Aug-20 A	19-Jul-21	19-Jul-21	15	90653	0	104,858.47			
S172500	Order parts and fabricate molds for EMCAL Sectors 13-64 Blocks - Delivery Acceptance	240	75%	03-Aug-20 A	19-Jul-21	19-Jul-21	15	26230	0	30,340.28			
S172800	Prepare fiber assemblies for final blocks	529	96%	21-Jun-19 A	02-Aug-21	02-Aug-21	15	0	9360	163,756.61			
S172850	Supervise EMCAL Final Block Production	395	65%	01-May-20 A	30-Nov-21	30-Nov-21	289	52800	0	60,986.25			
S172870	EMCAL Block Production QA	208	70%	01-Dec-20 A	27-Sep-21	27-Sep-21	4	460000	0	533,914.78			
Fabricate final blocks		6		30-Jun-21 A	08-Jul-21	08-Jul-21	15	0	135	5,162.69			
S175900	Fabricate final blocks sector 42	6	88%	30-Jun-21 A	08-Jul-21	08-Jul-21	15	0	135	5,162.69			
Pack and ship final blocks to BNL		58		15-Jun-21 A	03-Sep-21	03-Sep-21	98	6480	41	10,082.53			
S178700	Pack and ship final blocks for sectors 41-48 to BNL - Purchased Services	58	5%	15-Jun-21 A	03-Sep-21	03-Sep-21	93	0	41	2,561.30			
S178710	Pack and ship final blocks for sectors 41-48 to BNL - M&S	58	5%	15-Jun-21 A	03-Sep-21	03-Sep-21	98	6480	0	7,521.23			

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EMCAL Module Fabrication and Sector Assembly		279		22-Dec-20 A	03-Feb-22	03-Feb-22	245	288087	3520	606,308.52				
EMCAL Module Fabrication		279		22-Dec-20 A	03-Feb-22	03-Feb-22	0	217194	0	242,405.70				
EMCAL Final Module Fabrication		279		22-Dec-20 A	03-Feb-22	03-Feb-22	0	217194	0	242,405.70				
S187400	Procure light guides for modules in Sectors 13-64 - Delivery Acceptance	153	74%	22-Dec-20 A	30-Jul-21	30-Jul-21	123	215244	0	240,129.12				
S187700	Install light guides on final blocks M&S	257	35%	21-Jan-21 A	31-Jan-22	31-Jan-22	0	1650	0	1,926.31				
S188100	Install SiPMs daughterboards on final blocks M&S	259	35%	22-Jan-21 A	03-Feb-22	03-Feb-22	0	300	0	350.27				
EMCAL Sector Assembly		257		04-Jan-21 A	12-Jan-22	12-Jan-22	260	70893	3520	363,902.82				
EMCAL Final Production Sector Assembly		257		04-Jan-21 A	12-Jan-22	12-Jan-22	260	70893	3520	363,902.82				
S196100	Procure EMCAL Cooling System for Final Sectors - Delivery Acceptance	124	42%	18-Jan-21 A	14-Jul-21	14-Jul-21	0	70893	0	82,284.39				
S196910	Technical support labor for EMCAL assembly	257	50%	04-Jan-21 A	12-Jan-22	12-Jan-22	260	0	3520	281,618.43				
Calorimeter Electronics		188		01-Dec-20 A	27-Aug-21	09-Aug-21	107	672429	560	789,683.95				
Calorimeter Front End Electronics		188		01-Dec-20 A	27-Aug-21	30-Jul-21	107	87827	560	111,145.58				
EMCal Electronics: Production		160		01-Dec-20 A	20-Jul-21	20-Jul-21	133	0	560	9,206.16				
S228100	Test SiPM Daughter Boards Production Sectors 13-64	160	60%	01-Dec-20 A	20-Jul-21	20-Jul-21	133	0	176	2,893.36				
S229400	Test EMCal Preamp Boards: Production Sectors 13-64	97	40%	26-Feb-21 A	14-Jul-21	14-Jul-21	0	0	384	6,312.80				
HCal Electronics: Production		179		14-Dec-20 A	27-Aug-21	30-Jul-21	107	87827	0	101,939.42				
S244400	HCal Electronics Prod Pwr & Sig Cables & LV/Bias Supplies & Controller (External) - D	179	50%	14-Dec-20 A	27-Aug-21	30-Jul-21	107	87827	0	101,939.42				
Calorimeter Digitizer System		70		30-Apr-21 A	09-Aug-21	09-Aug-21	61	584602	0	678,538.37				
Calorimeter Digitizers: Production		70		30-Apr-21 A	09-Aug-21	09-Aug-21	61	584602	0	678,538.37				
S252700	Procure Production Digitizer (Parts) - Delivery Acceptance	70	37%	30-Apr-21 A	09-Aug-21	09-Aug-21	61	584602	0	678,538.37				
DAQ/Trigger		235		23-Nov-20 A	29-Oct-21	29-Oct-21	49	223540	0	259,459.37				
DAQ		235		23-Nov-20 A	29-Oct-21	29-Oct-21	49	223540	0	259,459.37				
DAQ Production		235		23-Nov-20 A	29-Oct-21	29-Oct-21	49	223540	0	259,459.37				
S259500	Procure DAQ Production Buffer Boxes - Delivery Acceptance	235	18%	23-Nov-20 A	29-Oct-21	29-Oct-21	49	223540	0	259,459.37				

