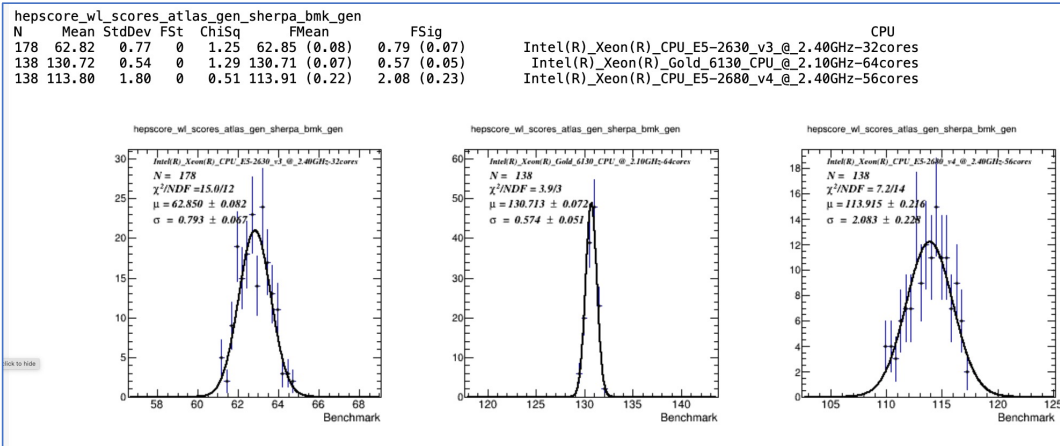


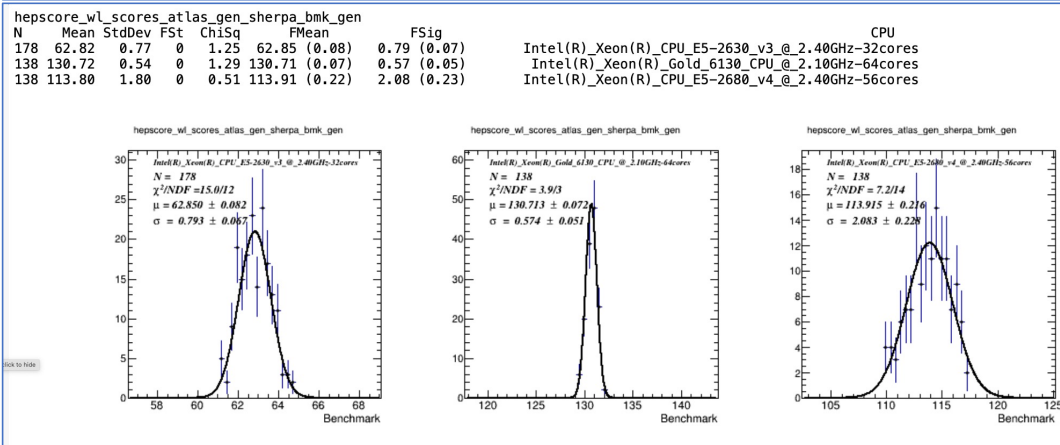
# New benchmarks (Juno and ATLAS\_Sherpa)

Jan 12 2020

filename = '/eos/user/r/rjsobie/SWAN\_projects/data/pdf\_bmk-wlcg-prod-summary-v2.1\_b14f70d7.pkl'  
 'hepscore\_status=="success"'



Benchmarks run on the CERN testbed



All histograms have range of +/-10% of the hist-mean

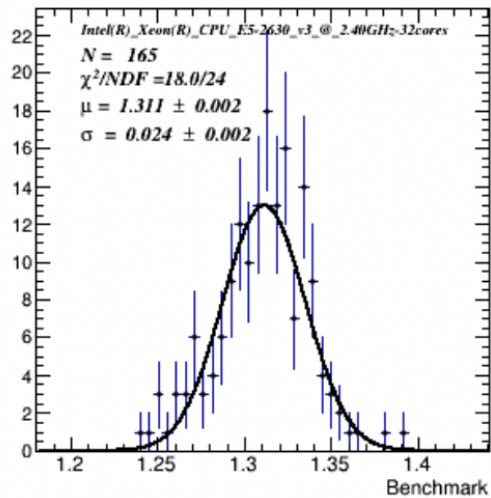
hepscore\_wl\_scores\_juno\_gen\_sim\_reco\_bmk\_gen\_sim\_reco

N	Mean	StdDev	FSt	ChiSq	FMean	FSig
165	1.31	0.03	0	0.75	1.31 (0.00)	0.02 (0.00)
163	2.39	0.01	0	4.62	2.39 (0.00)	0.01 (0.00)
162	1.95	0.02	0	1.01	1.94 (0.00)	0.02 (0.00)

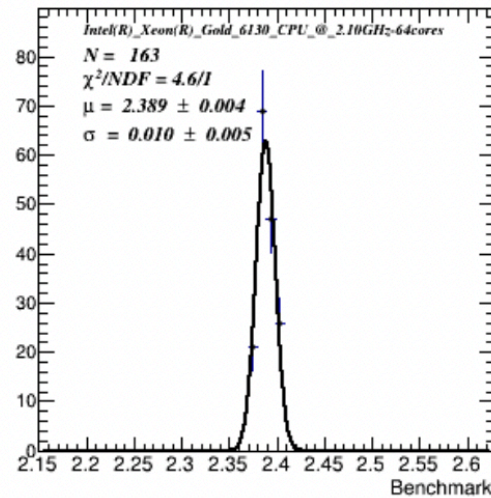
CPU

Intel(R)\_Xeon(R)\_CPU\_E5-2630\_v3\_@\_2.40GHz-32cores  
 Intel(R)\_Xeon(R)\_Gold\_6130\_CPU\_@\_2.10GHz-64cores  
 Intel(R)\_Xeon(R)\_CPU\_E5-2680\_v4\_@\_2.40GHz-56cores

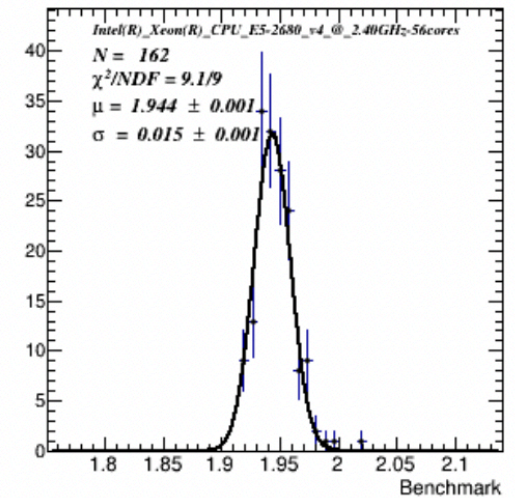
hepscore\_wl\_scores\_juno\_gen\_sim\_reco\_bmk\_gen\_sim\_reco

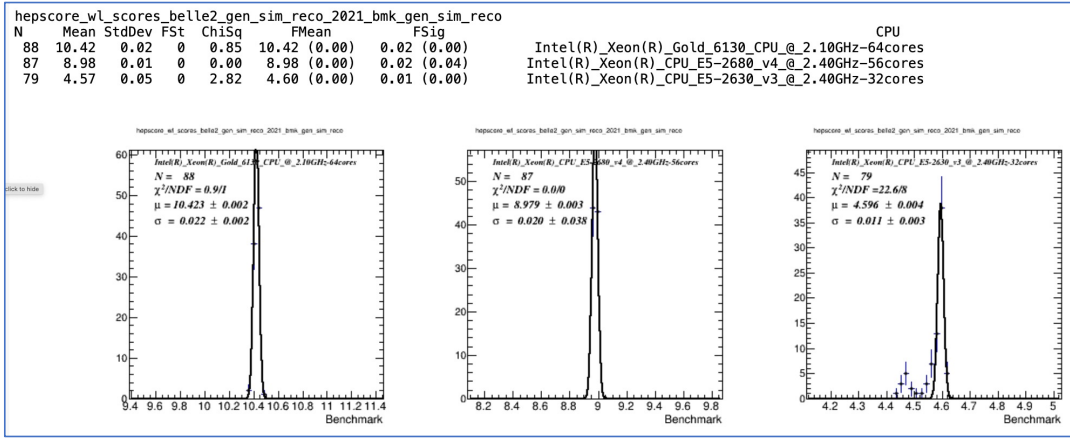


hepscore\_wl\_scores\_juno\_gen\_sim\_reco\_bmk\_gen\_sim\_reco

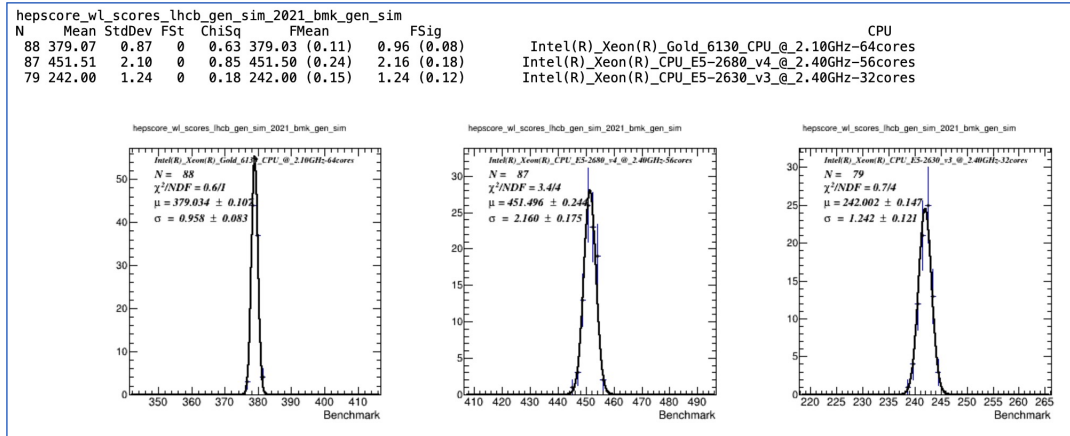


hepscore\_wl\_scores\_juno\_gen\_sim\_reco\_bmk\_gen\_sim\_reco





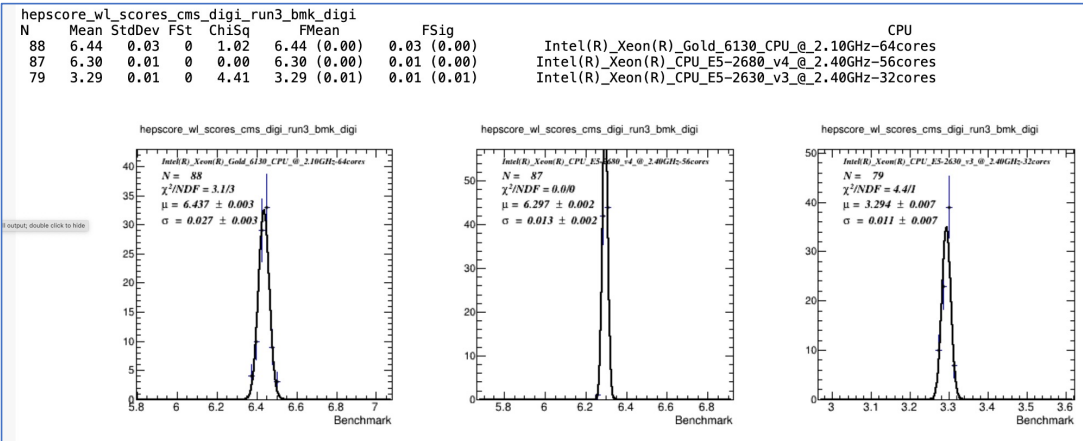
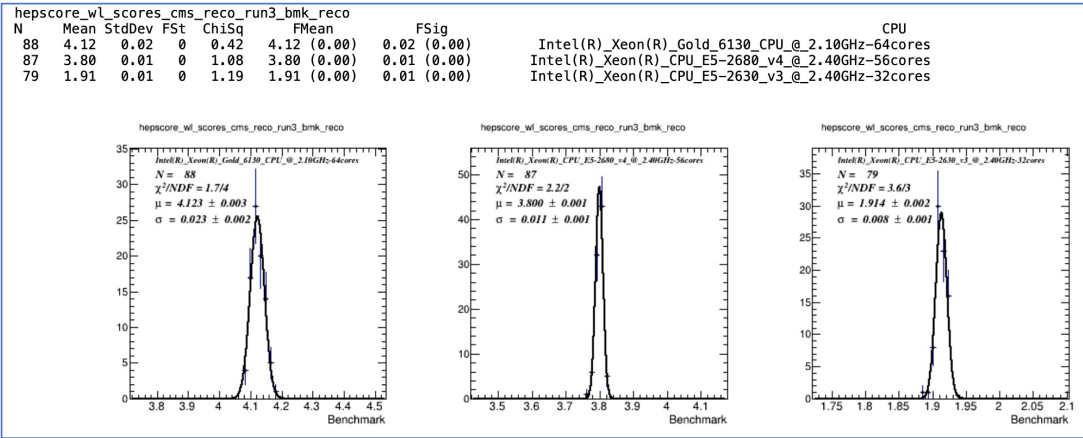
Note order change:  
**GOLD**  
 ES-2680  
 ES-2630

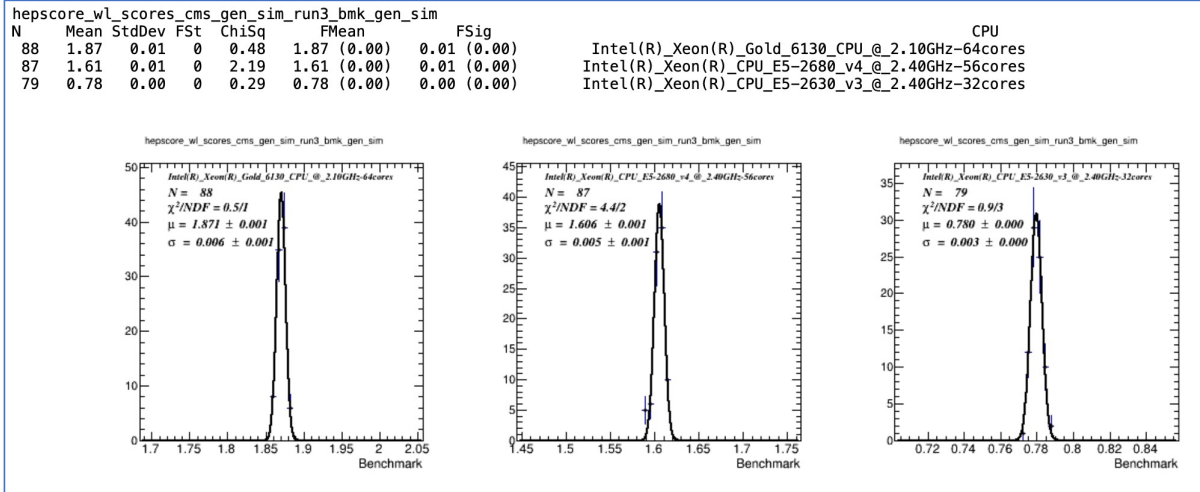


Note  
 Gold < ES2680

# CMS reco and digi

Jan 12 2022





# SPEC 2017 (intrate and pure\_rate\_cpp)

Jan 11 2022

HEPSpec06 benchmark statistics for each set of (CPU type, Cores) showing (entries/mean/std)

CPU	Cores	N	Mean	Std	Min	Max
SPEC 2017 cpp version						
AMD_EPYC_7702_64-Core_Processor	256	24	382	3	379	392
AMD_EPYC_7742_64-Core_Processor	256	228	436	26	387	473
AMD_EPYC_7742_64-Core_Processor	128	48	392	1	389	394
Intel(R)_Xeon(R)_CPU_E5-2630_v3_@_2.40GHz	32	12	46	0	45	47
Intel(R)_Xeon(R)_CPU_E5-2630_v4_@_2.20GHz	40	12	56	1	55	57
Intel(R)_Xeon(R)_CPU_E5-2665_@_2.40GHz	32	24	42	1	41	43
Intel(R)_Xeon(R)_CPU_E5-2670_@_2.60GHz	32	12	44	1	44	46
Intel(R)_Xeon(R)_CPU_E5630_@_2.53GHz	16	12	19	0	19	19
SPEC 2017 intrate version						
AMD_EPYC_7702_64-Core_Processor	256	27	370	15	320	382
AMD_EPYC_7742_64-Core_Processor	256	378	392	21	353	420
AMD_EPYC_7742_64-Core_Processor	128	96	358	1	355	360
AMD_Opteron(tm)_Processor_6174	48	12	51	3	47	55
Intel(R)_Xeon(R)_CPU_E5-2630_v3_@_2.40GHz	32	12	42	0	42	42
Intel(R)_Xeon(R)_CPU_E5-2630_v4_@_2.20GHz	40	12	50	0	50	51
Intel(R)_Xeon(R)_CPU_E5-2665_@_2.40GHz	32	24	39	0	39	40
Intel(R)_Xeon(R)_CPU_E5-2670_@_2.60GHz	32	12	42	0	41	43
Intel(R)_Xeon(R)_CPU_E5630_@_2.53GHz	16	12	19	0	18	19

