

	# short ints (2)	# ints (4)	# floats (4)	# bytes/objects
<b><u>EventInformation</u></b>				
Event Number		1		4
Run Number		1		4
MC Type	1			2
MC Weight			1	4
Beam Energy			1	4
<b>Total</b>				<b>18</b>
<b><u>TaggerHits Compact</u></b>				
Energy			1	4
<b><u>DMCThrown Compact</u></b>				
PID [1]	1			2
MyID	1			2
ParentID	1			2
Spacetime Vertex [2]			4	16
Momentum			3	12
<b>Total per Object</b>				<b>34</b>
Expected Multiplicity				8
<b>Total</b>				<b>272</b>
<b><u>DNeutralShowerCandidate Compact</u></b>				
NeutralShowerCandidateID [3, 4]	1			2
Spacetime Vertex			4	16
Energy			1	4
Uncertainties			5	20
Correlations (x, y, z)			3	12
<b>Total per Object</b>				<b>52</b>
Expected Multiplicity				9
<b>Total</b>				<b>468</b>
<b><u>DChargedTrackHypothesis Compact</u></b>				
ChargedTrackID [5]	1			2
NeutralShowerCandidateIDMatch [4]	1			2
PID [1]	1			2
ChiSq			1	4
NDF	1			2
Momentum			3	12
Position			3	12
Projected Time			1	4
Path Length			1	4
Flight Time			1	4
Tracking dEdx			1	4
Timing dEdx [6]			1	4
Matched Detector [7]	1			2
Tracking Uncertainties (q/pt,phi,tanl,D,z)			5	20
Tracking Correlations			10	40
Projected Time Uncertainty			1	4
<b>Total per Object</b>				<b>122</b>
Expected Multiplicity				6.1
<b>Total</b>				<b>744.2</b>

**GRAND TOTAL:**

**1506.2**

Comments:

[1]: Yields Track Mass and Charge

[2]: May have generator decay with a detached vertex, e.g. custom Lambda polarized decay

[3]: For matching to DChargedTrackHypothesis

[4]: Different DChargedTrackHypothesis objects of the same DChargedTrack may match to different DNeutralShowerCandidates, so may not be able to identify as neutral if user performs own particle-id

[5]: Hypotheses with the same ID are from the same DChargedTrack

[6]: From BCAL/FCAL/TOF, for user PID

[7]: (BCAL/FCAL/TOF/ST/NULL) (essentially a timing status flag)