

# What are the 'STANDARD' Baseline Parameters

AD&I Meeting  
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# Easy question but complex answer

- There are many assumptions (numbers and models) that go into the Guinea-Pig and/or analytic calculations.
- There are switches in G-P that can be on or off. Needs “expert users”
- The differences between some analytic and G-P calculations can range from a few to 25%.

**We need a little more work from the experts locked in the same room to define a few base assumptions and agree on the results.**

**I will keep the key!!**



# An Attempt at Comparisons with the same Assumptions

- Assume  $2 \times 10^{10}$  E+ at all energies, i.e. 10 Hz at 200 to 250 GeV or Higher yield source.
- Assume  $\frac{1}{2}$  number of bunches, 1312, except at 1 TeV
- Use travelling focus and what else?

	200	250	350	500	1000 GeV
Lum Values from G-P Dec 2009 & Sendai	0.5	0.8	1.0	1.9	2.7
New Oct 11, 2010	0.3	0.5	0.8	1.6	3.1